



World Water Week | Programme

Water, ecosystems and human development

26–31 August 2018

Welcome to Stockholm!

Photo: Thomas Henriksson



For many of us, World Water Week is one of the highlights of the year. Not only is it an opportunity to meet new friends and catch up with old ones, but it is also a chance to move forward on solutions to one of the biggest challenges of our time.

More and more people realize that we urgently need to manage water more wisely and fairly than we have, and that it won't be easy. We need to work together, with each other and with nature. We need to innovate but also learn to make better use of traditional knowledge.

The theme of this year's World Water Week – Water, Ecosystems and Human Development – is an excellent starting point for the many conversations we must have about this. With climate change, increased water variability and stressed ecosystems, we need new approaches to development and planning so that we can build more resilient and resourceful societies.

The Week has a key role to play in the creation of this new, more water-efficient world. At SIWI, we pride ourselves of being able to bring together the best minds in water. In this programme you will find almost 300 sessions, to inspire, educate, and challenge us to work even harder for a water wise future.

Welcome to Stockholm!

Torgny Holmgren
Executive Director
Stockholm International Water Institute



SIWI is a water institute. Our vision is a water wise world, where we recognize the value of water, and ensure that it is shared and allocated sustainably, equitably and efficiently, to meet everyone's basic needs. We leverage knowledge and our convening power to strengthen water governance for a just, prosperous, and sustainable future.

2018 Stockholm Water Prize Laureates



Professor Bruce Rittmann, from the USA, and Professor Mark van Loosdrecht, from the Netherlands, have been named the 2018 Stockholm Water Prize Laureate for their revolutionizing microbiological-based technologies in water and wastewater treatment. Professors Mark van Loosdrecht and Bruce Rittmann have demonstrated the possibilities to remove harmful contaminants from water, cut wastewater treatment costs, reduce energy consumption, and even recover chemicals and nutrients for recycling.

Their pioneering research and innovations have led to a new generation of energy-efficient water treatment processes that can effectively extract nutrients and other chemicals – both valuable and harmful – from wastewater.

Mark van Loosdrecht is Professor in Environmental Biotechnology at Delft University of Technology, The Netherlands. Bruce Rittmann is Regents' Professor of Environmental Engineering and Director of the Biodesign Swette Center for Environmental Biotechnology at the Biodesign Institute, Arizona State University, USA.

The Founders of the Stockholm Water Prize are:

Bacardi, Europeiska ERV, Poul Due Jensen Foundation, Ragn-Sells, Water Environment Federation (WEF), Xylem and Ålandsbanken

Would you like to nominate someone who you think has made remarkable achievements in water? Nominate now for the 2019 edition of the Stockholm Water Prize – the world's most prestigious prize in water. www.siwi.org/prizes/stockholmwaterprize/nominate/

Deadline for nominations is 30 September 2018.

Design: Laura Inkapööl
Cover photo: iStock.

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Filming this #WWWeek: A MOOC on SDG 6

During World Water Week, representatives from the global water community will record lectures that will form an interactive course on SDG 6, to launch in 2019. Together with SIWI and IWMI, the massive open online course (MOOC), *Water Security for a Changing Planet*, will be produced by the UN Sustainable Development Solutions Network's SDG Academy.

Part of a larger series of graduate-level free courses, this edition will be tailored towards non-water experts. It will introduce the world's water challenges and opportunities, and help illustrate the connectivity between the Goals and necessity of water to their realization.

The course will seek to help students from around the world to understand the role of water in all aspects of society – in particular, in relation to their future careers. Do you know a group that might like to participate in the course in 2019? Contact coms@siwi.org or visit <https://courses.sdgacademy.org/> for more information.

World Water Week goes LIVE!



Want to get the most out of your Week? We'll be bringing you live sessions daily showcasing some of the best the Week has to offer. Get live updates and ask your questions using #WWWeek and #Live. See the schedule at www.worldwaterweek.org/live or in the World Water Week App.



Wireless connection

WiFi will be accessible without charge and login information will be available on site.

This announcement is published by the Stockholm International Water Institute, Sweden. The content, programme and other activities of World Water Week was published 6 August 2018 and are subject to change. For latest information please visit www.worldwaterweek.org or the WWW App.



About World Water Week

The idea that became SIWI stems from three linked events in Stockholm in 1991. The Stockholm Water Festival invited the public to celebrate water in the streets of Stockholm, the Stockholm Water Symposium gathered some hundred scientists to discuss the global water challenges, and Stockholm Water Prize, under the patronage of H.M. King Carl XVI Gustaf of Sweden, was awarded for the first time, in recognition of outstanding achievements in water-related activities. World Water Week, a further development of the Stockholm Water Symposium, is today the world's leading annual water event and Stockholm Water Prize the most prestigious water award.

Each Week has a thematic scope designed to frame the discourse and sessions of that year. It is written by the

Scientific Programme Committee. All seminar abstracts and session proposals are reviewed with it in mind, likewise the Senior and Junior Rapporteurs – experts and young professionals, keep the thematic scope as their reference point when reporting on all sessions in order to extract and refine the key takeaways from the Week.

The theme is explored in the opening plenary (which actually takes place on day two of the Week) and is anchored by the closing plenary on the Friday morning. The Rapporteur teams' findings are presented at the closing plenary and feed into the Overarching Conclusions published after the Week.

Key Collaborating Partners

Each year, we team up with three Key Collaborating Partners to widen the reach of the Week, enrich the discussions, and encourage participation. In 2018, the Key Collaborating Partners are:

African Development Bank (AfDB) | The AfDB Strategy for 2013–2022 calls for substantial “investments in integrated water development and management to attain sustainable water, food and energy security for green and inclusive growth”. This is in direct support of the 2025 Africa Water Vision for equitable and sustainable use and management of water resources for poverty alleviation, socioeconomic development, regional cooperation and the environment; as well as the SDGs. The 2018 theme resonates with the Bank's agenda.



AFRICAN DEVELOPMENT BANK GROUP



The Nature Conservancy (TNC) | is a global conservation organization dedicated to conserving the lands and waters on which all life depends. Guided by science, we create innovative, on-the-ground solutions to the world's toughest environmental challenges. Being a 2018 Key Collaborating Partner is an important part of our strategy to bring together public and private stakeholders to advance more sustainable watershed management through nature-based solutions.

World Water Assessment Programme (WWAP) of UNESCO |

“You can't manage what you don't measure.” Providing a real picture of the state, use and management of water resources worldwide is at the heart of the mandate of the UN World Water Assessment Programme (WWAP) of UNESCO. The programme coordinates the production of key evidence-based knowledge products (annual UN World Water Development Report, SDG 6 Synthesis Report) on behalf of UN-Water in close cooperation with many Members and Partners.



The theme

Water, ecosystems and human development

In the third year of implementing the 2030 Agenda for Sustainable Development, the 2018 World Water Week focuses on the very basis of our existence: the ecosystems on which all life depends, and the critical role of water in their functions. We depend on healthy ecosystems as habitats for plant and animal life, and for services for human development and well-being. In our development efforts, we invariably affect and change our environment, but we need to do so without compromising the sustainability of vital ecosystems. The UN focuses on “nature-based solutions” as the theme for the 2018 World Water Day and World Water Development Report. In Stockholm, we align the present 2018 Thematic Scope with this, and we go further to explore the wider water, ecosystems and human development agenda.

The 17 Sustainable Development Goals (SDGs) and Paris Climate Agreement, set ambitious targets for our future development. The present Thematic Scope focuses in particular on SDG 6, target 6: “by 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes”; SDG 15, target 1: “by 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands”; and SDG 9.1 “develop quality, reliable, sustainable and resilient infrastructure, including regional and trans-border infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all”. While each of the SDG targets have one or more indicators through which the performance in achieving the targets is monitored, the inter-dependence between them needs to be recognized and guide integrated development. Considering the 14th global Conference of the Parties to the Biodiversity Convention in late 2018 the bio-diversity dimension of ecosystem development and management will be given special attention.

The Thematic Scope below outlines the rationale and overall content of the theme “Water, ecosystems and human development”.

The systems perspective – water and ecosystems from source to sea | Whether living in rural or urban areas, in mountains or near the coast, we all live in river basins in which upstream developments affect downstream conditions. On its way from hilltop to ocean water sustains terrestrial and aquatic ecosystems that regulate flows and water quality while providing services for

our development and livelihoods. At the downstream end, where deltas and estuaries connect to the sea, river sediments and pollutants, from point and non-point sources, determine the morphology of the coasts and quality of marine waters.

Hence, we need to understand and manage our river basins, and the ecosystems within them, holistically, as one inter-dependent system. Climate change exacerbates the challenge, and we need to master risk management and resilience building to cope with change and reduce the impacts of disasters. Well understood and well managed, our ecosystems can play an important role in adaptation to climate change.

With over half of the world’s population living in cities by mid-century, the majority near the coast or at navigable rivers, holistic system thinking also calls for addressing rural-urban linkages as highlighted in SDG 11 and the New Urban Agenda adopted by Habitat 3 in 2016.

The development perspective – balancing green and grey solutions | As societies develop, we build infrastructure that changes the landscape and alters the patterns of water flows, along with the substances and sediments that they carry. While such developments can create economic and social benefits, they often come at a cost to the environment. Conventional “grey” investments adversely affect both natural habitats and biodiversity and ecosystem services to people who depend on the land, forests, rivers, lakes and wetlands for their living. By changing the environmental determinants of health, they may also affect the health status of communities with important economic and social consequences. While such trade-offs are inevitable, nature-based solutions, and “green” investments, that take advantage of the natural systems and processes can create win-win situations that provide economic and societal benefits while maintaining ecosystem integrity or even improving environmental conditions. Examples include soil and water management in the watersheds, wetland and mangrove restoration, groundwater recharge and storage, rainwater harvesting, buffer zone management, nature-based wastewater management and agro-forestry. These kinds of activities provide similar benefits as built infrastructure, and they may also serve to improve erosion and sedimentation management and nutrient recycling, along with natural solutions to flood management by creating ‘room for the river’ or utilize green spaces in the urban environment.

While nature-based solutions should be the first option to consider, we still need to build physical infrastructure, such as dams, to store and regulate flows to provide water supply, irrigation, energy and control of floods and droughts. It is not an either-or, but a question of complementarity and finding the right balance and economic trade-offs. We also need to protect existing infrastructure and other capital and social assets by building resilience to extreme events and projected climate change and increased variability.

In the spirit of a circular economy our approach to development and growth needs to be increasingly multi-faceted and green. This is particularly evident in how industrialisation and consumption patterns affect ecosystems beyond our geographic proximity as we trade goods and services globally.

The human and social perspective – a people’s agenda

Humans have always depended on livelihoods derived from ecosystems; millions of people, including many of the world’s poorest, still sustain their daily lives through rain-fed farming, agro-forestry and inland fisheries. Human health and well-being depend on how we manage and protect the natural systems around us, and we need to do so by tapping into traditional knowledge and aspirations of the local population, men and women, old and young. Respect for ecosystems values require understanding of their vital role in sustaining life and underpinning development and need to translate into responsible human behaviour, from farmers, fishermen, workers and consumers. This calls for awareness, education and capacity development at all levels of society.

The economic perspective – rethinking ecosystems values

Understanding ecosystem values and quantifying natural capital are critical to any economic analysis of development scenarios, investments and financing strategies. That includes both tangible values that can be translated into monetary terms, and intangible values such as biodiversity, culture, recreation and natural and scenic beauty. It particularly concerns human health, as communities caught in the poverty trap may be forced to use their natural resources base unsustainably. Investments in infrastructure, whether built or natural, as well as payment for ecosystem services, must be based on a proper assessment of environmental and social ecosystem cost and benefits. The circular economy, including the reuse and recycling of wastewater and nutrients, has significant potential in applying innovative systems thinking to ecosystem management.

Financing strategies usually build on a range of legal and market-based instruments, including taxes, royalties and fees. Future strategies might take a value-based systems approach to economic analyses taking into account ecosystems as a whole, transitioning from a sectoral to an ecosystems perspective on pricing. Nature-based solutions may open new potentials for adaptation finance.

The governance perspective – towards integrated water and ecosystems management

Good water and ecosystem governance is at the heart of the triple bottom line for sustainable development: economic, social and environmental. While our ecosystems underpin all development, they also represent competing demands for water among the human needs for water supply, food, energy and other uses. The ecosystems approach to water management, including consideration of environmental flows, is complementary to integrated water resources management (IWRM) that has been adopted as SDG 6, target 5, and constitutes the overall approach to water governance. The ecosystem dimension of the ‘water, energy and food security nexus’ needs to be better explored, including its transboundary and trade aspects. The public good nature of the ecosystems can provide benefits to communities and countries sharing them, thereby creating incentives for improving cooperation. These approaches should also align with integrated coastal management downstream, and integrated urban water management for the towns and cities in the basins concerned.

We must also address increasing risks and uncertainties due to climate change, such as long term hydrologic changes, sea level rise and increased variability and extreme weather events. These challenges, if not addressed, can result in regional security issues for states and regions. Increasingly degrading ecosystems in the world’s semi-arid and arid areas erode the livelihoods for poor people who respond by migrating towards better opportunities elsewhere.

Citizen stewardship can contribute to mobilizing collective action through environmental advocacy and shared knowledge and understanding, involving traditional authorities, local communities and tribal populations. Public-private-civic partnerships with appropriate roles for private sector and industry can mobilize important actors and create new partners for ecosystem-sensitive development.

Scientific Programme Committee

The Scientific Programme Committee (SPC) is comprised of professors, scientists, and experts from water and development related fields. Their role includes development of the World Water Week thematic scope and seminars. Members are:

- Dr Torkil Jønych Clausen, SIWI (Chair)
- José Carrera, CAF – Development Bank of Latin America
- Prof Gyewoon Choi, Incheon National University
- Dr Guillermo Donoso Harris, Pontificia Universidad Católica de Chile
- Dr Phil Graham, SMHI
- Dr Jenny Grönwall, SIWI
- Dipak Gyawali, Nepal Academy of Science and Technology
- Dr Anders Jägerskog, World Bank
- Eiman Karar, UNEP
- Dr Louise Karlberg, SEI
- Dr Marianne Kjellén, UNDP
- Jon Lane, Independent consultant
- Karin Lexén, Swedish Society for Nature Conservation
- Maimuna Nalubega, AfDB (co-opted member)
- Rami Narte, Nordic Agency for Sustainable Impact
- Dr Belynda Petrie, OneWorld
- Dr Diego Rodríguez, World Bank
- Will Sarni, Water Foundry
- Dr Danka Thalmeinerova, GWP
- Stefan Uhlenbrook, WWAP (co-opted member)
- Kari Vigerstøl, TNC (co-opted member)
- Torgny Holmgren, SIWI (Vice Chair)
- Adrián Puigarnau, SIWI
- Ingrid Stangberg, SIWI (Secretary)

Young Scientific Programme Committee

The Young Scientific Programme Committee supports the Scientific Programme Committee by screening and reviewing the abstracts for each of the seminars, and setting the seminar programmes. Members are:

- Caroline Brown, Pegasys Strategy and Development
- Nicole Dinion, Ericsson
- Yuji Enriquez, Philippines
- Sara-Jade Govia, Ministry of Public Utilities, Republic of Trinidad and Tobago.
- Anita Lazurko, Canada
- Laban Misinguzi, National Fisheries Resources Research Institute, Uganda
- Frances Nixon, Environment Agency, UK
- Maya Velis, Ministry for Infrastructure and Water Management, The Netherlands
- Natasha Westheimer, Office of the Quartet

Reporting teams

Each year, 18 young professionals are selected to be junior rapporteurs, contributing to World Water Week reporting back. With guidance from six senior rapporteurs, they extract and distil the cross-cutting and future-oriented knowledge and trends that emerge during the Week. Using the three pillars of sustainability – economic, social and environment – they highlight successful tools, initiatives, best practice, and lessons learnt with a solution-based approach, that feed into international processes on science and policy development. The outcomes are presented in the closing plenary on Friday 31 August and in the Overarching Conclusions published after the Week.

2018 World Water Week rapporteurs:

Economic team

Senior rapporteurs

Dr Danka Thalmeinerova, GWP
Vinayak Subramanyam, Xylem

Junior rapporteurs

Alqayam Meghji, UK
Muhammad Adryan Sasongko, Indonesia
Hampus Nilsson, Sweden
Hannah Elizabeth Paton, US
Amali Abraham Amali, Nigeria
Lauren V. Bosche, US

Social team

Senior rapporteurs

Bianca Shead, TNC
Dr Zodwa Dlamini, Independent consultant

Junior rapporteurs

Claudius Mpofu, Zimbabwe
Md Tahmidul Islam, Bangladesh
Nicholas Haluska, US
Emelie Glad, Sweden
Silvia Cardascia, Italy
Roaa Hamid, Sudan

Environmental team

Senior rapporteurs

Angela Renata Cordeiro Ortigara, UNESCO
Samer Talozzi, Jordan University

Junior rapporteurs

David Falk, Sweden
Colleen Cranmer, Canada
Nicole Chabaneix, Peru
Krupesh Patel, India
Gabriel Sainz, Spain
Felipe Fischmann, Brazil

Gold Standard

As part of our effort to make World Water Week more inclusive and innovative, we have introduced Gold Standard certification for sessions that fulfil a set of criteria.

Criteria include:

- **Gender representation:** At least 40% of presenters are female. The aim is a balanced gender representation.
- **Young professional representation:** At least one presenter is under the age of 35.
- **Innovative format:** Session format encourages audience participation.

Sessions that fulfil these criteria are indicated by a yellow star next to the title.

Types of sessions at World Water Week

The Week is composed of four different types of content sessions – Events, Showcases, Sofas and Seminars. Sessions are selected by SIWI based on an open proposal submission. The programmes of the sessions are decided by the organization(s) that submit the proposal.

Events

Events are sessions that aim to advance knowledge and new thinking and/or present new findings.

Showcases

A Showcase is a space where organizations can tell their water stories, promote different approaches and share their perspectives, initiatives, tools, reports and projects.

Sofa

The Sofas could be described as a cross between a speakers' corner and an interview studio. Experts, decision-makers and leaders are interviewed live, on camera, on a variety of water and development-related issues.

Seminars

Each year, nine different topics that relate to the thematic scope are chosen by the SPC to form the basis for the seminars. The core of the seminars are the abstracts which have been submitted through an open process. The abstracts are reviewed by the SPC, who selects the most versatile and dynamic presentations in regard to content, innovation and regional and sectorial diversity.

The seminar programme is developed by SIWI with the help from co-convenors and span over an entire day. Although they cover a whole day, they consist of three separate sessions where each session can be attended as a standalone seminar as well.



Photo: Nayereh Rajabi

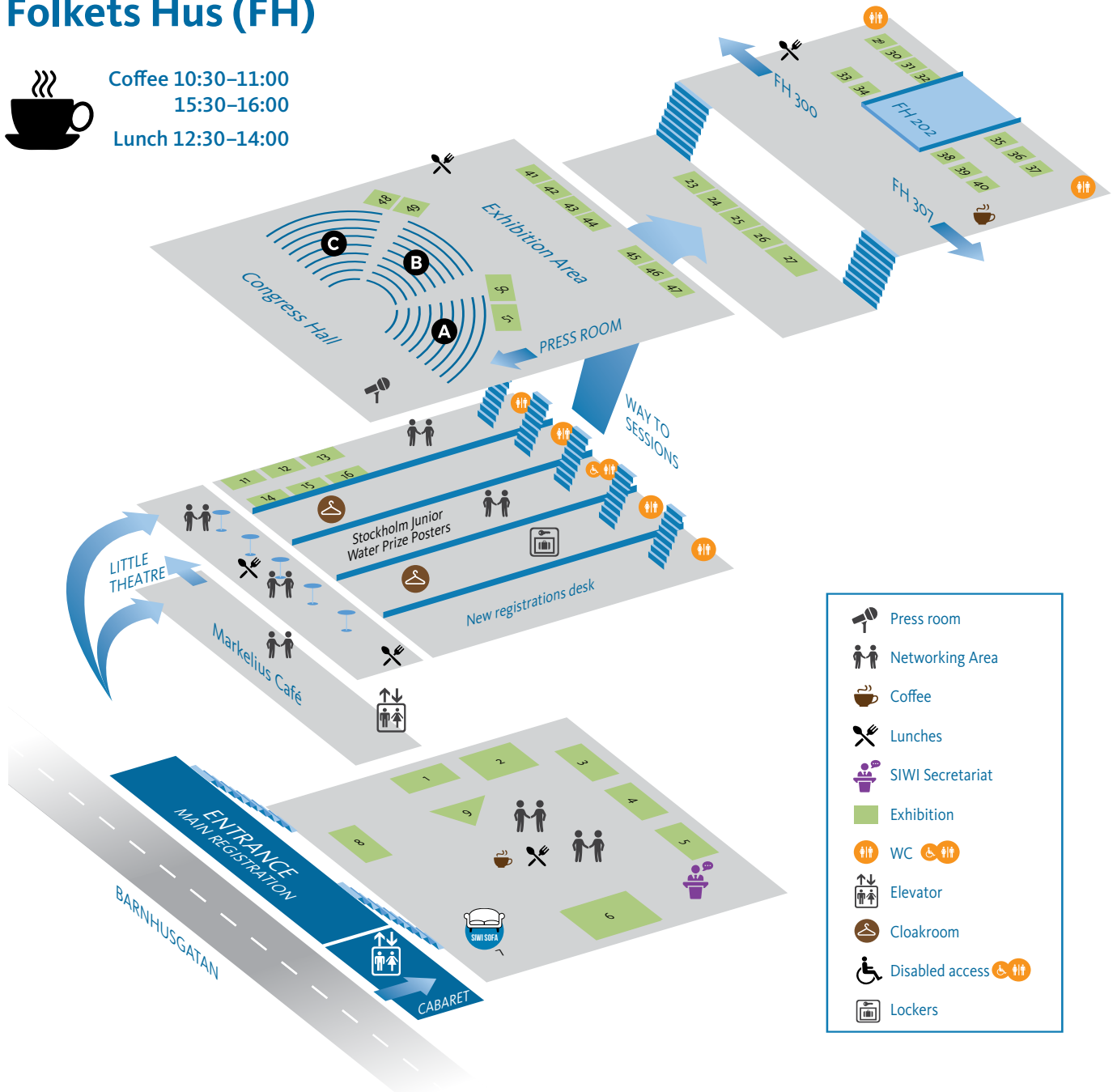
Our Assistants

Each year, over 90 water and development professionals at the beginning of their careers volunteer as assistants to make the Week what it is. They come from all over the world to take part in the conference and work tirelessly over the Week; making sure that the conference abides by local rules and regulations regarding room capacities, answering participants' questions, helping presenters prepare for their sessions and generally ensuring the smooth running of the Week. They are the eyes, ears and arms of the Secretariat and we ask participants to show them the appreciation they deserve.

Folkets Hus (FH)



Coffee 10:30–11:00
15:30–16:00
Lunch 12:30–14:00



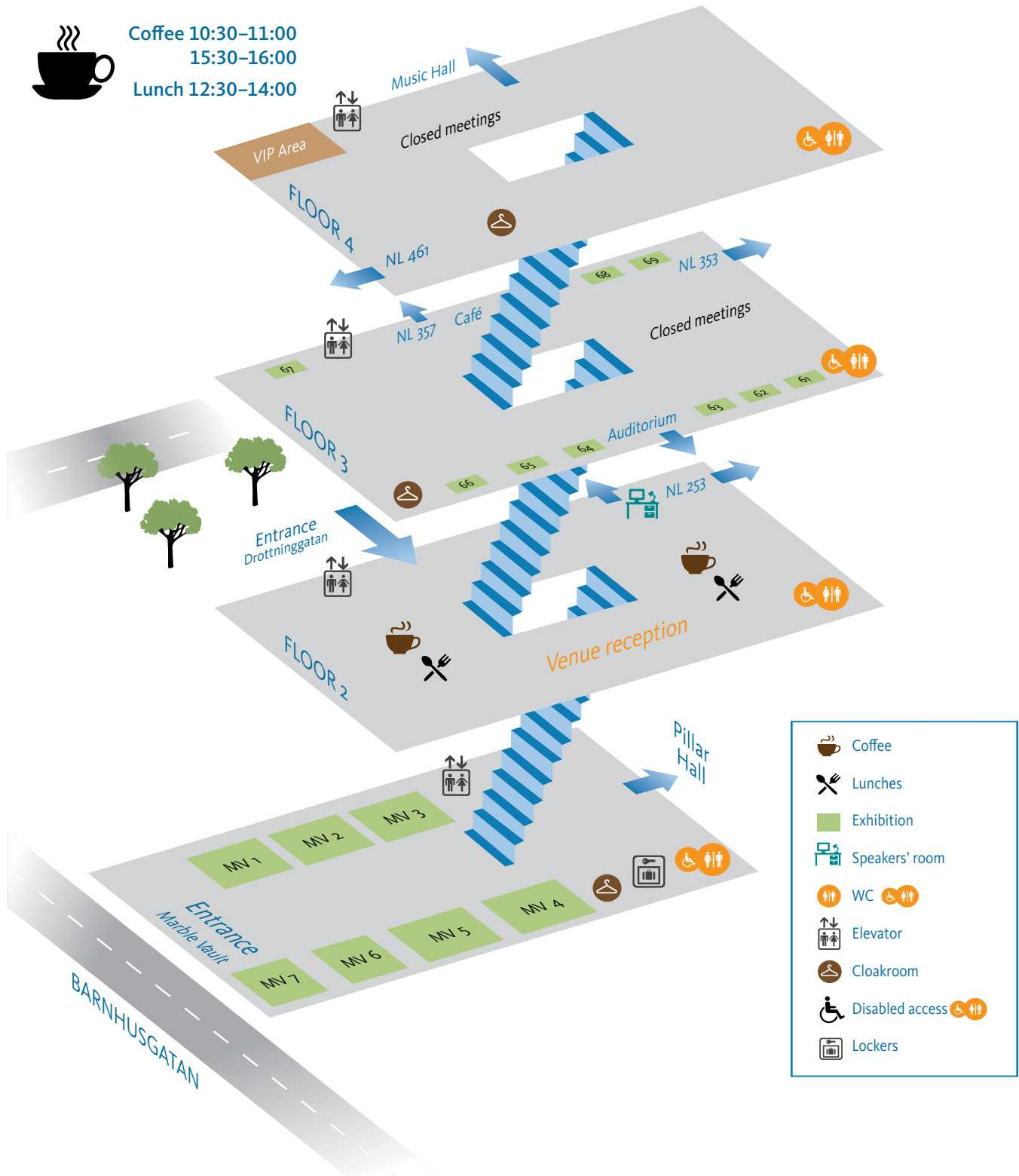
Exhibiting Organizations

1	Netherlands Pavilion	31	UNDP
2	Australia – water partners for development	32	WaterLex & OHCHR
3	World Bank Group	33	Sida
4	SIWI – Stockholm International Water Institute	34	United Nations University (UNU-FLORES & UNU-INWEH)
5	Xylem Inc.	35	Food and Agriculture Organization of the United Nations (FAO)
6	Swiss Water Partnership	36	UNESCO Water Family
7	SIWI Sofa	37	Water Supply and Sanitation Collaborative Council (WSSCC)
8	tbc	38	Water & Sanitation for the Urban Poor
9	tbc	39	UN Environment
11	Stockholm Environment Institute, SEI	40	UN-Water
12	Changing Water Behaviour in Maghreb - Challenges and Approaches	41	tbc
13	Argentina	42	Plastic in the Environment – Sources, Sinks, Solutions
14	CIDS: Innovation Centre for the Sustainable Development	43	Scaling up Safe Water Enterprises
15	ARPA EMC	44	Sustainable Sanitation Alliance - SuSanA
16	Practical Action Publishing	45	IWMI / WLE
23	Arizona State University	46	Global Water Partnership
24	Water Sector Trust Fund, Kenya	47	Finland
25	Agenda For Change	48	WWF - Valuing rivers
26	Water Mission	49	Eye on Latin America and the Caribbean Exhibition Stand
27/28	Nestlé	50	French Water Partnership
29/30	UNICEF & WHO, Water, Sanitation, Hygiene and Health (WSH)	51	WaterAid

Norra Latin (NL)



Coffee 10:30–11:00
15:30–16:00
Lunch 12:30–14:00



Exhibiting Organizations

61 Japan Water Forum
62 Strategic Agenda
63 Global Water Scarcity Atlas
64 RUS Copernicus | Cloud computing and water management from space
65 AFRlpads Ltd.
66 tbc
67 Global Green Growth Institute
68 Global Environment Facility - International Waters
69 Springer Nature

MV1 Young Professionals Booth
MV2 Korea Water Partnership
MV3 AWC & K-water Booth
MV4 The Nature Conservancy
MV5 African Development Bank Africa Hub
MV6 Securing Water for Food
MV7 RELX Group

SIWI STOCKHOLM WATER PRIZE

Awarded for the 28th time in 2018, the Stockholm Water Prize is the world's most respected award for outstanding water achievements. It honours women, men and organizations whose work contributes to the conservation and protection of water resources and to the well-being of the planet and its inhabitants.

The Laureate is announced in March, usually in conjunction with the UN World Water Day. She or he receives global acknowledgement and visibility, USD 150,000 and a specially designed prize sculpture by the Patron of the Prize, His Majesty King Carl XVI Gustaf of Sweden, at an award ceremony in

Stockholm City Hall. In 2018, the award will be presented by Her Royal Highness the Crown Princess of Sweden. She or he also has the privilege of presenting a lecture during the Week.

The Laureate is selected by the Stockholm Water Prize Nominating Committee, the Board of SIWI and the Board of Royal Swedish Academy of Sciences.

For full details on the nomination process please visit www.siwi.org/nominate.

Over the years, Stockholm Water Prize Laureates have represented a broad range of water-related activities, professions and scientific disciplines from all over the world. As part of SIWI's effort to move towards equal gender representation, in all aspects of its work, we specifically encourage the nomination of female candidates.

Founders:



SIWI STOCKHOLM JUNIOR WATER PRIZE

This year we welcome 48 brilliant students from 33 countries to compete in Stockholm Junior Water Prize.

For 22 years the Stockholm Junior Water Prize has brought together hundreds of thousands of 15–20 year olds from all around the globe. The competition gathers imaginative young minds, encouraging their continued interest in water and sustainability issues. We are honoured to have H.R.H. Crown Princess Victoria of Sweden as the Patron of the prize.

Stockholm Junior Water Prize is open to young people who have conducted water-related projects at local, regional, national or global levels with environmental, scientific, social and/ or technological importance. The aim of the competition is to increase awareness, interest and knowledge of water and the environment.

The international winner will receive a USD 15,000 award and a prize sculpture, the winner's school receives USD 5,000 and the winner of the Diploma of Excellence USD 3,000. H.R.H. Crown Princess Victoria of Sweden is the Patron of the Stockholm Junior Water Prize and Xylem is the Global Founding Sponsor.

Is your country missing? You want to engage?

Please contact Ania Andersch at ania.andersch@siwi.org

Who will be the winner this year?

The Stockholm Junior Water Prize award ceremony and dinner will take place on **Tuesday 28 August from 18:00 at Berns Salonger**. The Prize is awarded by H.R.H. Crown Princess Victoria. (By invitation only.)

Come check out the wonderful projects!

They are on display in Stockholm City Conference center, the center corridor on level 2 from Sunday 26 August. Don't forget to meet former participants in the WaterTank, the alumni system for SJWP! www.watertank.se

Founding Global Sponsor



Activities for Young Professionals

True to its vision to empower youth and young professionals, the Week 2018 hosts inspirational events with, for and by the next generation of water professionals, while also providing a platform for them to share ideas and build their networks.

These activities include sessions highlighting the role of young professionals in global discussions, a specially assigned networking area and a young professionals mingle!

Young Professionals Day | Sunday August 26

This is a day dedicated to those who have just launched their water careers. It is all about inspiring, motivating and empowering the next generation of water professionals. **On this day, entry is FREE of charge for everyone between 16–35 years** of age who wants to take part in a special programme, including:

09:00–10:30

Global vision to local reality: The impact of empowerment

11:00–12:30

Global vision to local reality: Identifying the pathways

14:00–15:30

2018 WWW Debate: Ecosystems vs. human development

18:00–21:00

Young professionals mingle

Join us for a drink and take the opportunity to network with other young water enthusiasts in an informal setting at Boqueria, MOOD

Young Professionals booth

The Young Professionals booth is all about networking and inspiration! Every day a different organization hosts the booth, welcoming professionals of all ages to network. It is also a place to learn more about activities for young professionals, get support on how to include young people in the water world and get tips on how to be better engaged. Drop by and say hello!

The following organizations will host in 2018:

Sunday 26th

Young Professionals for Agricultural Development (YPARD)

Shaping Food Systems - Our W(ater) A(griculture) Y(outh)

Monday 27th

VA-yngre

Connecting Swedish Young Water Professionals with each other and the world

Tuesday 28th

The Water Youth Network (WYN)

Knits & knots - networks supporting human development

Wednesday 29th

The Global Water Partnership (GWP)

Youth For Water and Climate #YWC – Be bold. Be creative. Get support

Thursday 30th

Royal Institute of Technology/THS Future

ARUP

In 2018, World Water Week will feature a Young Professionals Day for the seventh time. The Young Professionals activities are organized in collaboration with Arup.

Programme overview

EH = Exhibition Hall • FH = Folkets Hus • NL = Norra Latin • MH = Music Hall/Musiksalen • PH = Pillar Hall
 AU = Auditorium • LT = Little Theatre • CH = Congress Hall • ★ = Gold Star Event

SUNDAY 26 AUGUST			
09:00–10:30	ROOM	PAGE	
Showcase A new global initiative: The Alliance for Freshwater Life ★	FH Cabaret	2	
Showcase An action agenda for green infrastructure ★	NL 253	2	
Event Global vision to local reality: The impact of empowerment ★	FH LT	3	
Event Intelligent intervention design: Putting the horse before the cart ★	FH 300	3	
Event Pollution-driven water scarcity for ecosystems and human uses worldwide ★	NL MH	4	
Event Resilient water services in an increasingly water insecure world ★	NL PH	4	
Event Rewards and realities of payment by results in WASH ★	FH 202	5	
Event Small-scale irrigation: The answer to ecosystem health? ★	NL 357	5	
Showcase Stop re-inventing the [water] wheel! A technology collaboration for scale ★	NL 353	6	
Sofa Taking sustainable sanitation to the policy level-experiences from S4M (10:00–10:30)	EH	6	
Event Using information tools on multifunctional nature-based solutions to achieve SDGs ★	FH 307	7	
11:00–12:30			
Event Advancing water reforms through the Open Government Partnership ★	NL MH	8	
Seminar Ecosystems in an urbanising world: Challenges and opportunities for symbiosis ★	NL PH	8	
Event Global vision to local reality: Identifying the pathways ★	FH LT	9	
Showcase Groundwater management in coastal zones (11:00–11:45)	NL 253	9	
Seminar Investing in freshwater ecosystems and biodiversity: A key development challenge ★	FH 300	10	
Event Mission: Possible? Funding universal water services in "every district" ★	NL 461	10	
Showcase Mobilizing public health voices in sanitation: WHO guidelines on sanitation (11:00–11:45)	FH Cabaret	11	
Event Nature-based solutions for better climate resilience: Business practice and solutions ★	FH 307	11	
Event Strengthening national WASH policy and legal frameworks to achieve SDG6 ★	FH 202	12	
Seminar Tapping into collective wisdom: Gender sensitive development and water ecosystems ★	NL AU	12	
Event The potential of natural capital accounting for better water management ★	NL 357	13	
Showcase The Water Risk Filter 5.0: Explore, assess, value and respond (11:00–11:45)	NL 353	13	
Showcase Ending cholera roadmap: Targeting WASH to 4% population in hotspots (12:00–12:45) ★	FH Cabaret	14	
Showcase Introducing the Aqueduct Water Management Atlas (12:00–12:45) ★	NL 353	14	
Showcase Mapping global karst groundwater: A tool to enhance water security (12:00–12:45)	NL 253	15	
14:00–15:30			
Event 2018 WWW debate: Ecosystems vs. human development ★	FH 307	16	
Showcase 2030 WRG: Multi-stakeholder approaches to innovation and impact ★	FH Cabaret	16	
Event Can valuing water change our attitude towards water? Concrete examples! ★	NL AU	17	
Seminar Ecosystems in an urbanising world: Challenges and opportunities for symbiosis ★	NL PH	17	
Event Hydrological observation data and services for good governance ★	NL 357	18	
Event Hygiene Behaviour Change (HBC): What works and what doesn't? ★	NL 461	18	
Showcase Integrity management for sustainable water services	NL 353	19	
Seminar Investing in freshwater ecosystems and biodiversity: A key development challenge ★	FH 202	19	
Showcase It saves to spend: Global flood defense investment strategy evaluation	NL 253	20	
Sofa S4M approaches sustainable O&M for sanitation facilities in public institutions (15:00–15:30)	EH	20	
Event Smart(er) systems for water and sanitation: Subsidies, financing, and markets ★	FH 300	21	
Sofa Sustainability of WASH services: Making it real (14:00–14:30)	EH	21	
Seminar Tapping into collective wisdom: Gender sensitive development and water ecosystems ★	FH LT	22	
Event Working with the flow? Multifunctional landscapes in a changing climate ★	NL MH	22	
16:00–17:30			
Event Catalysing human development through climate-resilient water infrastructure ★	FH 202	23	
Sofa Decision-support systems to measure water-related trade-offs in Latin America (16:00–16:30)	EH	23	
Seminar Ecosystems in an urbanising world: Challenges and opportunities for symbiosis ★	FH 307	24	
Event Falkenmark Symposium: Financing an African water revolution ★	NL MH	24	
Event Groundwater: Mapping a global story of pollution, scarcity and survival	NL 461	25	
Showcase How Internet of Things solves real problems (16:00–16:45) ★	NL 253	25	
Seminar Investing in freshwater ecosystems and biodiversity: A key development challenge ★	NL AU	26	
Event Leveraging informal water diplomacy in high level processes ★	NL PH	26	
Event Pharmaceuticals: Scientific developments and cost-effective policy responses	FH 300	27	
Showcase Regulation of water and sanitation services: From theory to practice (16:00–16:45)	NL 353	27	
Event Shared sanitation: When individual toilets aren't enough ★	NL 357	28	
Seminar Tapping into collective wisdom: Gender sensitive development and water ecosystems ★	FH LT	28	
Showcase Water Action Decade event ★	FH Cabaret	29	
17:00–17:45			
Showcase Disruptive innovation for the water sector: Imagining the future (17:00–17:45) ★	NL 253	29	
Sofa Leveraging pay-as-you-go and new technologies for universal accessible water access (17:00–17:30)	EH	30	
Showcase Training on TNA in the Jordanian water sector (17:00–17:45) ★	NL 353	30	
18:30–21:00			
Social Event Young Professionals mingle (18:00–21:00)	Boqueria MOOD	31	
Social Event Under the bridges of Stockholm (18:45–21:00)	Ström-kajen	31	

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MONDAY 27 AUGUST		
09:00–12:30	ROOM	PAGE
Sofa The value independent certification brings to global water stewardship (09:00–09:30)	EH	33
Opening plenary (09:30–11:30)	★ FH CH	34
Sofa From sector coordination to effective national accountability for SDG 6 (10:00–10:30)	EH	35
Sofa Enhancing drought management and resilience: showcasing the MENA-RDMS (11:00–11:30)	EH	35
Sofa Stewarding water resources for future generations: The role of business (12:00–12:30)	EH	36
Networking session Why are you here? (12:00–12:30)	see page:	36
14:00–15:30		
Event Blended finance: From principles to practice	★ FH 300	37
Event Business Leadership for Oceans: Source-to-sea solutions	NL MH	37
Showcase Catalyzing the global public: Using a film to effect change	NL 253	38
Event High Level Panel on Water Diplomacy	NL AU	38
Field Visit Field trip to Ericsson studio: Information and communication technology (14:00–17:30)	Entrance FH	39
Showcase Making best use of WASH finance: A conversation with IFIs	★ FH LT	39
Event Microplastics in freshwater environments	★ FH 307	40
Event Presenting the global baseline situation for SDG 6	★ NL PH	40
Event Rural migration and water scarcity	★ FH 202	41
Event Sand mining's concrete threat to rivers: impacts and potential solutions	NL 461	41
Showcase Securing water tenure: Legal protections for indigenous and local communities	★ NL 353	42
Sofa Water utilities' leadership in nature-based solutions for SDG 6 (14:00–14:30)	EH	42
Event Water, biodiversity and development: A magic formula for the SDGs	★ NL 357	43
Showcase WaterGuide: A new framework for managing water scarcity	FH Cabaret	43
Sofa Pathways to increasing farmer-led investments in sustainable agricultural water management (15:00–15:30)	EH	44
16:00–17:30		
Event Addressing challenges to unlock financing of nature-based solutions for water	★ FH LT	44
Event Blue and green spaces: The heart of sustainable urban development	FH 300	45
Event Freshwater conservation-WASH integration: High-level and local-level challenges and opportunities	★ NL 461	45
Event Groundwater dependent ecosystems: Key to human development and biodiversity	NL 357	46
Event How water utilities respond in crisis and conflict	★ FH 202	46
Showcase Hype or groundbreaking: Has securing water for food delivered?	★ NL PH	47
Event Mastering disaster in the anthropocene: Reconciling DRR and climate frameworks	★ FH 307	47
Event Sex for water: A women's right violation	★ FH Cabaret	48
Event Tackling antimicrobial resistance through safe, clean water and environmental health	NL MH	48

Event Water and security: Assessing risks and mitigation options in hotspots	★ NL AU	49
Sofa Water diplomacy: A tool for the future? (16:00–16:30)	EH	49
Showcase Water Leaders: Empowering stakeholders with an open-source curriculum and game	★ NL 353	50
Showcase Water Safety Café: From national frameworks to results at household-level	NL 253	50
Sofa Accountability in Scaling market based sanitation financing (17:00–17:30)	EH	51
Social Event The City of Stockholm Welcome Cocktail Reception (18:30–20:00)	City Hall	41

TUESDAY 28 AUGUST		
09:00–10:30	ROOM	
Event AFRICA FOCUS Groundwater governance and institutional management	NL AU	53
Event Beyond the finish line, from coverage to sustainable sanitation services	★ NL MH	53
Event Changing minds on drought management: The economic case	★ FH 202	54
Event Creating peace through the water-energy-food and security nexus perspective	★ NL PH	54
Event Health and well-being through effective blue-green space design and governance	★ FH LT	55
Showcase Integrating 'grey and green' for water security in South Africa	★ FH Cabaret	55
Seminar Is there such thing as innovative financing for ecosystems management?	★ FH 300	56
Seminar IWRM and ecosystem based approaches: Complementary, duplicating or competing?	★ NL 357	56
Showcase Launch of JMP 2018 global baseline on WASH in schools	NL 353	57
Event MENA FOCUS Benefits for ecosystems and wetlands through the nexus	★ FH 307	57
Sofa Safeguarding water-related ecosystems in the Mara River and Tonle Sap	EH	58
Showcase UN World Water Development Report 2018 "Nature-based solutions for water"	FH CH A	58
Field Visit Water management at Electrolux. What's the next step? (09:00–12:30)	Entrance FH	59
Event Water use, food security and disease – achieving healthy outcomes	★ NL 461	59
Sofa WASAG: Global framework on water scarcity in agriculture (10:00–10:30)	EH	60
11:00–12:30		
Event AFRICA FOCUS Water security, climate change: peace and cooperation challenge	NL AU	60
Event Getting the basics right: WASH for reproductive, maternal, newborn health	NL 461	61
Event Groundwater-based natural infrastructure solutions: The missing link to resilience?	★ NL PH	61
Seminar Is there such thing as innovative financing for ecosystems management?	★ FH 300	62
Seminar IWRM and ecosystem based approaches: Complementary, duplicating or competing?	★ NL 357	62
Sofa Marketing strategies for sustainability: Building consumer demand for safe water	EH	63
Event MENA FOCUS Building resilience to shocks and protracted crises	★ FH 307	63
Event Nature-based solutions for water: A smart approach to disaster risk	★ NL MH	64

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TUESDAY 28 AUGUST (CONTINUED)

Showcase Reducing emissions from antibiotics production: Demands, tools and experiences (11:00–11:45)	★	FH Cabaret	64
Showcase Research initiatives on the High Andes ecosystems and water interactions		NL 353	65
Event Sanitation in small towns: Challenges for the environment and development	★	FH LT	65
Showcase Sediment Color Tool: Empowering local drillers for safe water provision (11:00–11:45)	★	NL 253	66
Event Water for fish: Sustainable inland fisheries	★	FH 202	66
Showcase Arsenic primer: Guidance on investigation and mitigation of arsenic (12:00–12:45)		NL 253	67
Sofa Blue Deal: 20 million people clean, sufficient and enough water (12:00–12:30)		EH	67
Showcase Monitoring water quality using EO: UNESCO World Water Quality Portal (12:00–12:45)		FH Cabaret	68
14:00–15:30			
Event ASIA FOCUS Natural alternatives to water storage	★	FH 202	69
Event Container based sanitation and the sanitation economy	★	FH LT	69
Event EYE ON LAC Mainstreaming natural infrastructure in water projects	★	FH CH A	70
Event Food hygiene for child health: An overlooked opportunity	★	NL 461	70
Seminar Is there such thing as innovative financing for ecosystems management?	★	FH 300	71
Seminar IWRM and ecosystem based approaches: Complementary, duplicating or competing?	★	NL 357	71
Event Looking beyond conventional water resources to address global water scarcity	★	NL PH	72
Event Role of water utilities in SDGs and new urban agenda	★	FH 307	72
Showcase Scalability and collaboration in water intensive industries to achieve SDGs	★	FH Cabaret	73
Event Tapping shared lessons: Recent global experience of implementing environmental flows	★	NL MH	73
Showcase The ripple effect: Empowering women through water	★	NL 353	74
Sofa Use of big-data for water allocation and water productivity (14:00–14:30)		EH	74
Showcase Utility business cases for investing in watersheds		NL 253	75
Sofa The geography of future water challenges: The drylands (15:00–15:30)		EH	75
16:00–17:30			
Event Agriculture, freshwater quality, and public health: Tying it all together	★	FH LT	76
Event ASIA FOCUS Water sensitive and livable green cities in Asia	★	FH 202	76
Sofa City water resilience framework and resilient water governance (16:00–16:30)		EH	77
Event Contribution of sanitation to Paris Agreement: What is stopping us?	★	NL MH	77
Event EYE ON LAC Green-gray infrastructure: The case for investment	★	FH CH A	78
Event Faecal waste and its mysterious movement through urban ecosystems	★	NL 461	78
Event Free-flowing rivers: Global status and solutions for securing their benefits		NL 357	79
Event Making waves: Implementing digital finance for sustainable water supply	★	NL PH	79

Showcase Nation to nation: Integrating indigenous perspectives into water resource management (16:00–16:45)		NL 253	80
Event Participated sustainable development: The role of citizen observatories	★	FH 300	80
Showcase Recipharm International Environmental Award (16:00–18:00)		FH Cabaret	81
Showcase SDG6.5 on IWRM: From global status reports to accelerated implementation		NL 353	81
Event WASH affordability: Monitoring and response options	★	FH 307	82
Sofa How changed attitudes towards menstruation hygiene impact girls' rights		EH	82
Showcase Supporting transboundary cooperation: Opportunities within the next GEF funding cycle (17:00–17:45)		NL 253	83
Award Ceremony Stockholm Junior Water Prize Ceremony and Dinner (18:00–21:30)		Berns salonger	83

WEDNESDAY 29 AUGUST

09:00–10:30		ROOM	
Sofa Achieving water-related SDGs: Managing emerging pollutants (09:00–09:30)		EH	85
Event AFRICA FOCUS Effects of universal access to safely managed sanitation		NL AU	85
Event ASIA FOCUS Innovative financing to protect ecosystems in Asia	★	FH 202	86
Field Visit Balancing ecology and economy at Hacksta farm by Lake Mälaren (09:00–12:30)		Entrance FH	86
Showcase Better water scarcity management for food security and nutrition-sensitive agriculture		FH Cabaret	87
Showcase Enabling environments for inclusive city wide sanitation: A conceptual framework	★	NL 253	87
Event EYE ON LAC Natural infrastructure and the water-energy-food nexus	★	FH CH A	88
Seminar Industry's role in ecosystem and watershed management	★	FH 307	88
Event Opportunities and challenges of localising WASH humanitarian assistance		NL 357	89
Event Stockholm Water Prize Symposium: Balancing green and grey – Getting on nature's good side (09:00–12:00)	★	NL PH	90
Seminar Sustainable infrastructure for inclusive green growth	★	FH CH C	91
Event UN-Water Stakeholder Dialogue	★	NL MH	91
Showcase WASH bottleneck analysis tool (WASHBAT) to strengthen the enabling environment	★	NL 353	92
Event Women and children: Promoting ecosystem protection and human rights	★	FH 300	92
Sofa Leveraging learning and innovation in NGO led WASH programming (10:00–10:30)		EH	93
11:00–12:45			
Event AFRICA FOCUS High level ministerial panel: From policy to action		NL AU	93
Showcase African spatial delight: Supermarket for innovative water and ecosystems services	★	FH LT	94
Event ASIA FOCUS Challenging nexus technologies, a force for good?	★	FH 202	94
Event Building watershed resilience and community collaboration under climate change		NL 357	95

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WEDNESDAY 29 AUGUST (CONTINUED)			
Event EYE ON LAC Water reserves, an ecological water management model	★	FH CH A	95
Sofa How can the private sector unlock natural solutions at scale? (11:00–11:30)		EH	96
Event Indigenous peoples: Promoting ecosystem protection and human rights	★	FH 300	96
Seminar Industry's role in ecosystem and watershed management	★	NL MH	97
Showcase Reducing the impact on and from coastal and marine environments (11:00–11:45)		FH Cabaret	97
Seminar Sustainable infrastructure for inclusive green growth	★	FH CH C	98
Event Understanding the forest-water nexus: Redefining the narrative?	★	FH 307	98
Showcase Water, the keystone to climate resilience (11:00–11:45)	★	NL 253	99
Sofa A 'new grid' approach to sanitation and SDG6.2 (12:00–12:30)		EH	99
Showcase Mating belongs to all: Finland's love affair with migratory fish (12:00–12:45)		FH Cabaret	100
Showcase Using space enabled water quality forecasting in decision making (12:00–12:45)	★	NL 253	100
14:00–15:30			
Event Asia Water-nomics: More GDP with less water and pollution	★	NL 357	101
Event Connecting water, security and peace through ecosystems	★	FH LT	101
Event Donors' water strategies under the 2030 agenda	★	FH 202	102
Event Follow up on the High-Level Panel Water: Financing and valuing	★	NL PH	102
Showcase Global Resilience Partnership: Building a sustainable flood resilient future		NL 253	103
Seminar Industry's role in ecosystem and watershed management	★	NL MH	103
Event Innovative taxation models for urban ecosystem sanitation	★	FH CH A	104
Showcase Mapping the urban sanitation challenge: Nairobi SFD	★	NL 353	104
Event Refugees and migrants: Promoting ecosystem protection and human rights	★	FH 300	105
Sofa Stockholm Junior Water Prize winner(s) 2018 (14:00–14:30)		EH	105
Seminar Sustainable infrastructure for inclusive green growth	★	FH CH C	106
Event The source-to-sea balancing act: Development needs and ecosystem preservation		FH 307	106
Showcase Water finance constrains: Africa and Sweden	★	FH Cabaret	107
Sofa Bee together and water in school (15:00–15:30)		EH	107
16:00–17:30			
Showcase A common vision for Peru: Natural infrastructure for water security		NL 353	108
Showcase Blue Schools: Linking WASH in schools with other SDG6 targets (16:00–16:45)	★	FH Cabaret	108
Event Closing urban water cycles: Transforming urban water solutions	★	FH CH A	109
Event Efficiency, sufficiency, sustainability: Allocation in river basins	★	NL 357	109
Sofa Innovation spotlight: Meet Imagine H2O's Urban Drinking Water Challenge winners (16:00–16:30)		EH	110
Event Innovative financing mechanisms for water scarcity in agriculture	★	FH 307	110

Event One billion left behind: Making global water efforts disability inclusive		FH 300	111
Event Share, conserve, develop! Balancing it all in transboundary basins?	★	FH 202	111
Event The trillion-dollar question: Turning safely managed finances into sustainable services		FH LT	112
Event Using big data and earth observations for SDG 6 monitoring	★	NL PH	112
Event Water for well-being: From framework to action	★	NL AU	113
Event Water stewardship collaboration for the textiles sector	★	NL MH	113
Showcase Why can't a tailor fly a plane? (16:00–16:45)		NL 253	114
Award Ceremony Stockholm Water Prize Ceremony and Royal Banquet (16:30–22:30)		City Hall	114
Showcase Beyond toilets: Moving to ODF+ in Indian cities (17:00–17:45)	★	NL 253	115
Showcase Sanitation worker safety: A 5-million people strong blindspot in sanitation (17:00–17:45)		FH Cabaret	115
Sofa Strong WASH systems: The essential element for SDG6 achievement (17:00–17:30)		EH	116
Social Event Dataflow meets waterflow: How can hackathons provide innovation? (18:00–20:00)		Impact Hub	116

THURSDAY 30 AUGUST			
09:00–10:30		ROOM	
Event Accountability for scaling market based sanitation financing	★	FH LT	118
Seminar Ecosystem based water management: From innovation to practice	★	FH CH A	118
Event Green landscapes for water security: Measuring and modeling hydrologic benefits		NL 357	119
Sofa How is nature contributing to SDG6? (09:00–09:30)		EH	119
Showcase Integrating WASH and nutrition to improve child growth and health		NL 253	120
Event Menstrual hygiene management: From health and social impacts to action	★	FH 202	120
Showcase P&G and partners identify priority regions... now what?	★	NL 353	121
Seminar Political drivers for sustainable ecosystems: Understanding peace	★	FH 307	121
Event SDG-Paris Agreement: Building a resilient future through water Part 1	★	NL AU	122
Event Social acceptance: A turning point for nature-based solutions projects?	★	NL MH	123
Field Visit Sustainable sewer systems and urban development with biotechnology (09:00–12:30)		Entrance FH	123
Event Transboundary cooperation for sustainable hydropower: Procedures and technical guidance	★	FH 300	124
Event WASH4Work: Tools to accelerate business action on WASH	★	NL PH	124
Showcase World Water Day 2019: Leaving no one behind	★	FH Cabaret	125
Sofa Changing water behaviour in Maghreb: Challenges and approaches (10:00–10:30)		EH	125
11:00–12:30			
Showcase A new World Water Forum horizon: From Brazil to Senegal	★	NL 253	126
Event Diversity and inclusion in water utilities	★	NL MH	126
Seminar Ecosystem based water management: From innovation to practice	★	FH 202	127

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THURSDAY 30 AUGUST (CONTINUED)			
Event Green landscapes for water security: Nature-based solutions and water quantity	★	FH 300	127
Seminar Political drivers for sustainable ecosystems: Building peace	★	FH 307	128
Event SDG-Paris Agreement: Building a resilient future through water Part 2	★	NL AU	129
Event Smart water systems for improved human, environmental and economic health	★	FH LT	130
Event The global Water Convention: An opportunity for transboundary water cooperation		NL PH	130
Event Towards the circularization of hydroelectricity using the existing hydraulic infrastructure		NL 357	131
Sofa Unlocking water infrastructure financing: Adaptable approaches from across Africa (11:00–11:30)		EH	131
Showcase Water and faith: Acting in partnership to achieve SDG 6 (11:00–11:45)	★	FH Cabaret	132
Showcase Water stewardship benefit accounting: New approaches and lessons learned	★	NL 353	132
Showcase Launch of the Stockholm Climate Security Hub (12:00–12:45)	★	FH Cabaret	133
Sofa The future of World Water Week, an arena and beyond (12:00–12:30)		EH	133
14:00–15:30			
Sofa Nature-based solution and water security in LAC (In spanish) (14:00–14:30)		EH	134
Seminar Ecosystem based water management: From innovation to practice	★	FH 202	134
Event Om (O&M): The mantra for sustainable water/sanitation services	★	FH LT	135
Event Parched power: Water challenges and solutions for India's power sector		NL 357	135
Seminar Political drivers for sustainable ecosystems: Sustaining peace	★	FH 307	136
Event Resilient policies: Achieving SDG and UNFCCC goals through water management	★	NL MH	136
Event Solving the capacity gap to scale non-sewered and decentralized sanitation	★	FH 300	137
Showcase The AfricaSan movement: Setting the sanitation agenda in Africa	★	NL 353	137
Showcase The global framework for water scarcity in agriculture: Achievements	★	FH Cabaret	138
Showcase The SDG6 debating game		NL 253	138
Field Visit Urban ecosystem services: The example of Stockholm Royal Seaport (14:00–17:30)		Entrance FH	139
Event Water stewardship: Partnership and financing models for scale	★	NL PH	139
Sofa Follow up on HLP 'Building a resilient future through water' (15:00–15:30)		EH	140
16:00–17:30			
Event Building an evidence base for WASH: Linking research and practice		FH 300	141
Showcase Launch of ITP's Destination Water Risk Index (16:00–16:45)	★	NL 253	141
Sofa Maneuvering towards a water safe future (16:00–16:30)		EH	142
Event Country-led asset management systems to improve WASH services	★	NL MH	142
Event Rethinking sewers		NL PH	143
Event The evolution of water risk assessment	★	FH 202	143
Event Trade-offs and synergies between the sustainable development goals	★	FH 307	144

Showcase Water Funds Toolbox: Water security solutions for Africa and globally		NL 353	144
Showcase Water resilience design and execution: The state of the art	★	FH LT	145
Showcase Book launch: Business models for resource recovery and reuse (17:00–17:45)	★	NL 253	145
Sofa Water and faith: Acting in partnership to achieve (17:00–17:30)		EH	146
Social Event Mingle & dance (19:00–00:00)		Vasa Theatre	146

FRIDAY 31 AUGUST			
Closing plenary (09:00–12:00)	★	NL AU	148

Sunday | 26 August



Coffee 10:30–11:00
15:30–16:00
Lunch 12:30–14:00



Sunday | 26 August | 09:00–10:30

A new global initiative: The Alliance for Freshwater Life



Room: FH
Cabaret

Convenors: AGWA, CI, IHE Delft, IUCN, Leibniz Institute of Freshwater Ecology and Inland Fisheries, NGRREC and WWF

The decline of freshwater life and the ecosystem services it supports is truly alarming. Here, through an interactive and multimedia session, we launch the Alliance for Freshwater Life: a global scientific and societal collaboration committed to reversing the declines through knowledge, outreach, conservation action, and policy development and dialogue.

Showcase

09:00	Opening of the session Jessica J. Lee , Leibniz-Institute of Freshwater Ecology and Inland Fisheries, IGB	09:25	Core thematic areas: Previous successes and proposed activities <ul style="list-style-type: none">Research Michael T. Monaghan Jörg Freyhof, IGB Tony Dell, NGRRECData John Matthews, AGWAConservation Michele Thieme, WWF Will Darwall, IUCNOutreach Ken Irvine, IHE Delft Paul Stewart, Mouth to Source Jessica J. Lee, IGB	• Policy Vanesa Rodríguez Osuna , CUNY Advanced science research center and Sequa gGmbH
09:05	The Need for an Alliance for Freshwater Life Will Darwall , IUCN and Ian Harrison , CI, IUCN-SSC/WCPA		09:35 Discussion/World Café	
09:15	The major challenges and pathways for success		10:05 Summary and closing remarks	
09:20	Formal Launch of the Alliance for Freshwater Life: Our global map of member		10:30 End of session	

An action agenda for green infrastructure



Room: NL 253

Convenors: AGWA, Deltares, Forest Trends, ICATALIST, NAIAD Project Consortium, SIWI and TNC

Nature-based solutions or green infrastructure approaches, are increasingly recognized as critical to achieving water security, as well as multiple related SDGs. This event highlights an emerging, multi-sectoral, and collaborative initiative to develop and commit to a concrete, actionable blueprint to mainstream green infrastructure for water security.

Showcase

09:00	Welcome and Overview of the Session Jan Cassin , Forest Trends and Elena Lopez Gunn , ICATALIST	09:30	Round-table updates and discussions: Capacity building; information, tools, and methods for assessing green infrastructure Moderator: Monica Altamirano , Deltares	10:10	Audience input and breakout groups brainstorm immediate priorities to move GI forward by thematic areas
09:10	Round-table updates and discussions: Definitions, principles and standards, evaluation criteria Moderator: Jan Cassin , Forest Trends	09:50	Panel discussion: State of green infrastructure finance, what is needed to scale? Moderator: John Matthews , AGWA	10:20	Quick tour of breakout groups
				10:25	Next steps, thank participants Elena Lopez Gunn , ICATALIST
				10:30	End of session

Sunday | 26 August | 09:00–10:30

Global vision to local reality: The impact of empowerment



Room: FH
Little Theatre

Convenors: Arup, SWH and SIWI

In this two-part session we will move beyond the SDGs to identify pathways and challenges, similarities and differences, hindrances and resolutions in implementation on national, regional and local levels. Join us to learn from others and share your story on how to make the SDGs every ones reality!

Event

09:00	Introduction Moderator: Nicolai Schaaf , Swedish Water House, SIWI	09:15	How does youth bring local aspects to global discussions? Syed Ahmad Nafisul Abrar , Bangladesh youth water forum Julius Kramer , Swedish delegation for the 2030 Agenda Katarina Luhr , Vice Mayor, Stockholm City Iñigo Ruiz-Apiláñez , Arup Maggie White , SIWI	10:25	Closing remarks
09:05	Local youth creating global impact Ryan Hreljac , Founder, Ryan's Well Foundation	09:45	Group discussions: The impact of empowerment	10:30	End of session
		10:10	Outcome mapping		

Intelligent intervention design: Putting the horse before the cart



Room:
FH 300

Convenors: CIDRZ, DFID UK, Emory University, Great Lakes University of Kisumu, LSHTM and United Purpose

Behaviour change is critical for the sustainability and impact of WASH. Traditionally interventions have focused on evaluation approaches rather than on designing robust and high-quality interventions. This session will share case studies and lessons learnt from delivering and evaluating behaviour change interventions in order to inform future practice.

Event

09:00	Understanding behaviour-centred design: Presentation of a framework for successful Behaviour-Centred-Intervention-Design	09:50	Panel discussion: Sharing lessons learnt regarding implementation of designed interventions and their evaluation Respect People campaign: United Purpose (tbc) Healthy Gossip Movement: Gerahan Rumpi Sehat , GAIN Prof Val Curtis , LSHTM DFID (tbc)
09:15	Showcasing BCD: Case studies illustrating individual Behaviour-Centred-Design steps <ul style="list-style-type: none">• “Assess” what is known: The various transmission routes responsible for enteric infection in U2s in a peri-urban settlement Great Lakes University of Kisumu, Kenya	10:30	End of session
	<ul style="list-style-type: none">• “Build” to answer remaining questions: Safe start formative work in Kisumu area, to build further knowledge on this specific transmission route LSHTM• “Create” the intervention iteratively: SanDem project CIDRZ		

Pollution-driven water scarcity for ecosystems and human uses worldwide



Convenors: IIASA and WUR

This session focuses on the causes, impacts and solutions to reduce pollution-driven water scarcity for ecosystems and human uses by presenting policy-relevant results of various international projects. Presentations and discussions focus on identification of freshwater water quality hotspots and trade-offs/synergies between various SDGs in terms of water quality using models.

Event

09:00 **Introduction: Pollution-driven water scarcity for human uses and ecosystems**

Dr **Michelle van Vliet**, WUR

09:40 **Global water quality challenges and grey-green solutions**

Prof Dr **Charles Vörösmarty**, City University of New York

09:10 **Urbanization: An increasing source of river pollution in the 21st century?**

Dr **Maryna Stokol**, WUR

09:55 **Interactive discussion and wrap-up**

Facilitators: Dr **Simon Langan** and Dr **Yoshihide Wada**, IIASA

09:25 **Global water quality modelling assessments and the SDGs**

Dr **Martina Flörke**, CESR, University of Kassel

10:30 **End of session**

Resilient water services in an increasingly water insecure world



Convenors: Blue Deal consortia, GWOPA UN-Habitat, Government of the Netherlands, WaterWorX and Wetlands International

This session seeks to stimulate knowledge sharing among stakeholders involved in water security and in urban WASH service delivery. It aims to identify good practices that contribute to the development of integrated approaches for sustained service delivery in areas with an increasing pressure on the availability of water sources.

Event

09:00 **Word of welcome and general introduction**

09:10 **Interactive case study working groups**

- Ethiopia: Water scarcity and source protection
Hein Pieper, Vice President, the Dutch Water Authorities
Marijn Korndewal, the Dutch Water Authorities and the Awash Basin Authority
Kidist Ketema Bekele, Dutch Water Authorities and the Awash Basin Authority

- The Philippines: Resilience and disaster preparedness.
Dr **Hilly Ann Roa-Quiaoit**, Vice President for Research and Social Outreach, Xavier University Cagayan de Oro

- Mali
Boubacar Kane, CEO, Malian drinking water utility (SOMAGEP).

09:50 **Q&A with the winner of the video contest for young professionals**

Melissa de Raaij, Ministry of Foreign Affairs, the Netherlands.

10:00 **Summarizing pitches by the case moderators**

10:10 **Interactive call for action and Wrap-up**

10:30 **End of session**

Sunday | 26 August | 09:00–10:30

Rewards and realities of payment by results in WASH



Room: FH 202

Convenors: E-Pact, SNV, South Asia WASH Results Programme (Plan International UK) and SWIFT (OXFAM)

As Payment by Results funding becomes more widespread, it is critical that we explore the opportunities and challenges of applying it to the WASH sector. In this session, those involved in DFID's WASH Results Programme will share their experience of Payment by Results being used to finance WASH at scale. The session will go beyond theoretical debates to provide participants with practical insights on themes such as managing risk, monitoring and verification of results, and sustainability in WASH.

Event

<p>09:00 Welcome and introduction to the WASH results programme Dr Katharina Welle, Senior consultant, ITAD</p> <p>09:05 Payment by results: what is different about it and how it was applied in WASH results Antoinette Kome, Global sector co-ordinator WASH, SNV</p> <p>09:10 Risk and realities: Four illustrations of the dilemmas and benefits of Pbr</p> <ul style="list-style-type: none"> • WASH Results programme Joanna Trevor, OXFAM Ian Langdown, ODI 	<ul style="list-style-type: none"> • SAWRS South Asia WASH Results Programme John Dean, Plan International UK • SSH4A Sustainable Sanitation and Hygiene for All Anne Mutta, SNV • WASH Results Monitoring and Verification Team Andy Robinson, independent consultant for ITAD • Reflections from the perspectives of the donor and the evaluation team Dr Stephen Lindley-Jones, DFID Dr Lucrezia Tincani, OPM 	<p>09:55 Trade offs and tensions: What would you decide?</p> <p>10:25 Summary and Closing Remarks Dr Stephen Lindley-Jones, DFID</p> <p>10:30 End of session</p>
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Small-scale irrigation: The answer to ecosystem health?

Room: NL 357

Convenors: CGIAR WLE, IFPRI, IWMI, Swedish University of Agricultural Sciences and USAID

Small-Scale irrigation (SSI) has been touted as a benign solution to sustainable intensification in Africa. Evidence suggests that millions of rural households could benefit. However, its environmental impacts remain largely unknown.

This session will shed light on these impacts and, through a guided interaction with the audience, identify possible solutions. This session will present a series of case studies on small-scale irrigation (SSI) and ecosystem health linkages based on studies supported by USAID, IFAD and the CGIAR, followed by a panel discussion on options to better align ecosystem health and smallholder irrigator agendas to ensure SSI supports both people and the planet.

Event

<p>09:00 Introductory remarks and session framing Dr Robert Bertram, USAID</p> <p>09:10 Case Study Presentations:</p> <ul style="list-style-type: none"> • Mapping small-scale irrigation for environmental sustainability and human prosperity: The case of Ethiopia Dr Claudia Ringler, IFPRI • Communal solar pumps in Mali: Curse or cure for ecosystem health? Dr Jennie Barron, CGIAR WLE 	<ul style="list-style-type: none"> • Small reservoir for sustainable agricultural landscapes: Synthesizing the evidence from West Africa Dr Olufunke Cofe, IWMI • SSI and risks of intensification: Case study on water quality in the Ethiopian Highlands Dr Seifu Tilahun, Bahir Dar University 	<p>09:50 Panel discussion</p> <ul style="list-style-type: none"> • Options to better align ecosystem health and smallholder irrigator agendas to ensure SSI supports both people and the planet • Key actors and partnerships, including roles and responsibilities, needed to manage potential trade-offs and enhance the benefits from SSI <p>10:20 Summary and wrap-up Dr Robert Bertram, USAID</p> <p>10:30 End of session</p>
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Stop re-inventing the [water] wheel! A technology collaboration for scale

Room: NL 353

Convenors: EY, Jibu, Safe Water Network and Untapped

Small water enterprises (SWEs) are a promising solution to help reach SDG 6.1. But with only a fraction of the potential 1 billion person market using SWEs, how do we efficiently scale up? Join industry leaders for an interactive discussion on a collaboration using technology to rapidly scale SWEs.

Showcase

- | | | | |
|-------|---|-------|-----------------------------|
| 09:00 | Welcome and context of Small Water Enterprises (SWEs) | 10:25 | Summary by moderator |
| 09:10 | Collaboration for scale: Small Water Enterprises, the IT platform and collaboration panel discussion | 10:30 | End of session |
| 09:30 | Guest panellist: Volunteer from the audience | | |
| 09:55 | Q&A with audience | | |
| 10:20 | Reaction from sector leader | | |

Exhibition Hall

Taking sustainable sanitation to the policy level: Experiences from S4M (10:00–10:30)

Convenor: GIZ

The global programme Sanitation for Millions (S4M) aims at creating and improving sustainable access to safe sanitation. Currently implementing in Pakistan, Uganda and Jordan, the programme implements measures along for four lines of intervention: (i) sanitation and hygiene promotion in schools (ii) provision of public sanitation services in public places, health centers and religious institutions (iii) sustainable operation and maintenance along the sanitation chain as well as employment creation (iv) mobilization of funding and upscaling.

To ensure the sustainability of the implemented measures, S4M adopts a multi-stakeholder approach, in close consultation with local political partners in the ministries.

Providing advisory services to political stakeholders creates enabling framework conditions for sustainable sanitation services at policy level. In this session, the convenors will elaborate on learnings and experiences of taking sanitation to the policy level.

Focusing on public spaces, the programme director will discuss with two high-level representatives from the partner ministries the challenges and opportunities of institutionalizing WASH policies.

Expectations from the donor side will be contrasted with those from the partner's point of view, highlighting the state's role of providing budget lines for sanitation services in public institutions such as schools and health care facilities.

Sofa

Sunday | 26 August | 09:00–10:30

Using information tools on multifunctional nature-based solutions to achieve SDGs



Room: FH 307

Convenors: BORDA, GWOPA UN-Habitat, IRIDRA, UNU-FLORES, UNU-INWEH

Up to date, accessible and reliable data and information tools are key ingredient to close the science- policy loop while providing evidence in support of smart policies and innovative solutions for the SDG Agenda.

Event

Moderator: **Tamara Avellán**, UNU-FLORES

09:00 **Keynote speech: 'Wetlands beyond pollution control: Thoughts on a circular economy'**
Fabio Masi, IRIDRA SRL

09:15 **Panel discussion and general questions**

- Multifunctional Wetlands as and for nature-based solutions
Nidhi Nagabhatla, UNU-INWEH

- Nature-based solutions for Wastewater and faecal sludge treatment: Field experiences and communication between stakeholders
Alexander Wolf, BORDA
- Using man-made Wetlands in office buildings for wastewater treatment: Challenges and opportunities?
Paula Kehoe, SFPUC
- The constructed Wetlands knowledge platform: Usability
Kurt Brueggemann, UNU-FLORES

09:45 **World café**

10:25 **Wrap-up**
Tamara Avellán, UNU-FLORES

10:30 **End of session**

Sunday | 26 August | 11:00–12:30

Advancing water reforms through the open government partnership



Convenors: Fundación Avina, OGP, SIWI, WIN and WRI

The event aims to highlight the potential of the synergy between the Open Government and the Water governance reform agendas through the OGP platform. It will take stock of country experiences working on water commitments in different stages of the OGP National Action Plan cycle. Country cases will be presented.

Event

11:00 Welcome Marcos Menidburu , International expert	11:20 Cases studies <ul style="list-style-type: none">Honduras Water Regulator ERSAPS: Monitoring water and sanitation services Giovanni Espinal, ERSAPS DirectorKenya Water and Sanitation Civil Society Network , Kewasnet Shivaji Malesi, CEO, KEWASNET	12:00 Panel discussion: The need for a community of practice Emilene Martinez , OGP Jacopo Gamba , WIN Pilar Avello , SIWI Carolle Excell , WRI
11:05 The open Government Partnership and the Water agenda		12:25 Closing words 12:30 End of session

Ecosystems in an urbanising world: Challenges and opportunities for symbiosis



Convenors: CAF, SIAAP, SIWI and Urban Waters Hub (GWP/HABITAT)

This seminar aims to (1) showcase selected nature-based solution experiences that change the urban fabric; (2) examine required changes in planning and governance; and (3) formulate policy recommendations on future adoption of ecosystem approaches, within the context of the New Urban Agenda and the Sustainable Development Goals.

Seminar

11:00 Introduction Guillermo Donoso , UC Chile	11:20 Pitches on nature-based solutions in localities across the world Christina Wikberger , City of Stockholm Basheer Obaid , OBAID Integrated Solutions Loan Diep , University College London Deepthi Wickramasinghe , University of Colombo Dave Murray , CWRA Jenny Grönwall , SIWI	11:35 Roundtable discussion 12:15 Feedback from roundtables Moderator: Cléo Loussouarn , SIAAP 12:25 Concluding remarks Guillermo Donoso , UC Chile 12:30 End of session
11:10 Keynote speech Yolanda Kakabadse , WWF		

Sunday | 26 August | 11:00–12:30

Global vision to local reality: Identifying the pathways



Room: FH
Little Theatre

Convenors: Arup, SWH, SIWI and WYN

In this two-part session we will move beyond the SDGs to identify pathways and challenges, similarities and differences, hindrances and resolutions in implementation on national, regional and local levels. Join us to learn from others and share your story on how to make the SDGs every ones reality!

Event

- | | |
|--|--|
| 11:00 Welcome address
Alexa Bruce , Arup and
Cajsa Larsson , SIWI | 11:45 Outcome mapping
<i>How does regional conditions – social,
environmental and economic – influence
local actions and possibilities and how is
that relevant to the SDGs?</i> |
| 11:05 Introduction
Water Youth Network (WYN) | 12:25 Closing remarks |
| 11:10 Local actions for global
commitments
<i>Group exercise on the importance of a
localisation process and the challenges
to start, develop and continue activities
contributing to SDGs on local level.</i> | 12:30 End of session |

Groundwater management in coastal zones (11:00–11:45)

Room: NL 253

Convenor: BGR

Growing population, increasing urbanization, growing economies, especially tourism, put an increasing demand on coastal water resources. Coastal groundwater, however, is endangered by the intrusion of seawater into the aquifer. Therefore, sustainable management of coastal water resources requires a diverse and holistic management approach of governance, management and technical approaches.

Showcase

- | | |
|---|---|
| 11:00 Opening of the session
Thomas Himmelsbach , BGR | 11:40 Closing and distribution of the
handbook |
| 11:05 Coastal zone dynamics and
risk factors affecting coastal
groundwater
Ramon Brentführer , BGR | 11:45 End of session |
| 11:15 Governance, strategies and
solutions
Michael Eichholz , BGR | |
| 11:25 Q&A | |

Sunday | 26 August | 11:00–12:30

Investing in freshwater ecosystems and biodiversity: A key development challenge



Room: FH 300

Convenors: ARCOS Network, BMZ and IUCN

Managing freshwater to sustain ecosystems and biodiversity is critical for sustainable development. Balancing conservation and development brings inherent trade-offs. This seminar will demonstrate solutions for investing in freshwater ecosystems and biodiversity to address development needs. Policy recommendations will be developed and specifically tailored for the upcoming CBD COP 14.

Seminar

11:00 **Introduction and welcome remarks**
Karin Lexen, SSNC

11:05 **Key note speech: Framing and laying the seminar context**
Mark Smith, IWMI

11:20 **BMZ/GIZ film, “Flying rivers”: Demonstration of development challenges to water and biodiversity in Amazon**

11:25 **Conserving the Lake Tana Ecosystem for Sustainable Peace & Livelihoods**
Mersie Ejigu, PAES

11:40 **Panel discussion**

Moderator: **James Dalton**, IUCN

- Conserving the lake Tana ecosystem for sustainable peace and livelihoods
Mersie Ejigu, PAES
- Water community providers, ecosystems and adaptation in rural Central America
Roger Madrigal-Ballestero, CATIE/EfD
- Investing in Free flowing Rivers: Addressing the development challenge
Michele Thieme, WWF

- Private Sector Engagement with Suppliers to improve water and ecosystems
Wendy Larson, LimnoTech

12:25 **Conclusions and wrap-up**
Mark Smith, IWMI

12:30 **End of session**

Mission: Possible? Funding universal water services in “Every District”



Room: NL 461

Convenors: Conrad N. Hilton Foundation and Stanford University

Come play with us! In this session, we will explore, through a highly interactive game format, the possibilities and limits to financing water services for a fictional district in Sub-Saharan Africa. No financial background necessary, just a willingness to contribute your ideas and creativity to a collective problem-solving effort.

Event

**No programme was submitted before publication.
For more recent updates please visit:
<http://programme.worldwaterweek.org>**

Sunday | 26 August | 11:00–12:30

Mobilizing public health voices in sanitation: WHO guidelines on sanitation (11:00–11:45)

Room: FH Cabaret

Convenor: WHO

Sharing key recommendations from new WHO guidelines on sanitation for effective consideration of public health in the development and implementation of sanitation initiatives, summarizing the current state of knowledge on the links between sanitation and health, articulating the role of health and non-health actors in sanitation policy and practice.

Showcase

**No programme was submitted before publication.
For more recent updates please visit:
<http://programme.worldwaterweek.org>**

Nature-based solutions for better climate resilience: Business practice and solutions



Room: FH 307

Convenors: Danone, Forest Trends, Ramsar Convention on Wetlands, TNC and UNGC CEO Water Mandate

Through innovative case examples, participants will learn about the emerging business practice across their supply chains that aim to conserve natural ecosystems and support nature-based solutions for climate resilience and human well being. Participants will also understand the inter linkages between climate change, water risks, and human well being.

Event

Moderator: **Jay Aldous**, Director Resources Mobilization and Outreach, Ramsar

Kari Vigerstol, TNC
Eric Soubeiran, Danone

12:20 **Wrap up and next steps**

12:30 **End session**

11:00 **Welcome and introduction**
Jason Morrison, President, Pacific Institute, Head, UN Global Compact CEO Water Mandate

11:40 **Responses from the Floor: Perspectives on the approach presented**

Jan Cassin, Forest Trends Representative, The Gold Standard
Marielle Canter Weikel, Responsible Mining and Energy
Nathaniel Matthews, GRP
Xavier Leflaive, OECD

11:10 **What are the multiple benefits of nature-based solutions and how can these solutions be scaled?**

Martha Rojas Urrego, Secretary General, Ramsar Convention on Wetlands

12:05 **Open discussion with the audience**

Sunday | 26 August | 11:00–12:30

Strengthening national WASH policy and legal frameworks to achieve SDG6



Room: FH 202

Convenors: AMCOW, Gates Foundation, CWSC and WHO

Strengthening WASH laws and policies is critical to achieve SDG6 at the national level. The panel event will discuss effective laws and policies and how they can support national governments and other actors to accelerate the provision of quality WASH services efficiently and at scale.

Event

- | | | | |
|-------|---|-------|---|
| 11:00 | Opening remarks
Dr Canisius Kanagire , AMCOW | 11:50 | Q&A |
| 11:20 | Lightning talk: UN-Water Global Analysis and Assessment of Sanitation and Drinking-Water (GLAAS) 2018/2019 cycle with a focus on national policies, plans and targets
Fiona Gore , WHO | 12:00 | Panel: How can effective laws and policies support national governments and other actors to accelerate the provision of quality WASH services? |
| 11:35 | Lightning talk, lessons from RENEWAL: Legal barriers and innovative legal solutions to sanitation challenges
Alexandra Campbell-Ferrari , CWSC | 12:20 | Summary and wrap-up
Dr Canisius Kanagire , AMCOW |
| | | 12:30 | End of session |

Tapping into collective wisdom: Gender sensitive development and water ecosystems



Room: NL Auditorium

Convenors: AWP, SIWI, WWAP and WfWP

The seminar will contribute to better understanding water-related sustainable development for enhanced ecosystems through gendered transformative approaches. It aims to elaborate on development interventions that capitalise on indigenous/traditional knowledge enhancing water ecosystems.

Seminar

- | | | | | | |
|-------|---|-------|--|-------|--|
| 11:00 | <i>The (s)he approach to reach the water-targets</i>
Framing the seminar
Eiman Karar , UNEP and
Lesha Witmer , WfWP | 11:35 | Women, SDGs and climate related adaptation: A Practitioner perspective
Kusum Athukorala , WfWP | 12:20 | Recap and introduction to following session
Lesha Witmer , WfWP |
| 11:10 | Keynote
Canisius Kanagire , AMCOW | 11:45 | Circular economy practices for exotic vegetables cultivation of women farmers
Priska Prasetya , WASTE | 12:30 | End of session |
| 11:25 | Green lady of Bihar' and sustainable watershed management in India
Nandita Singh , Water Development Centre | 11:55 | Q&A and discussion | | |
| | | 12:15 | BORDA: Artistic "icebreaker", Resistance to change | | |

Sunday | 26 August | 11:00–12:30

The potential of natural capital accounting for better water management



Room: NL 357

Convenors: Government of the Netherlands, PBL Netherlands Environmental Assessment Agency, Statistics Netherlands, UNSD and WAVES

This session will demonstrate how the use of physical water accounts accompanying nations' economic accounts in national water strategies supports the SDG's monitoring and use. Two countries present their experience and results. A stakeholder panel and discussion with the audience will explore future application of water accounts in water management.

Event

- Moderator: **Henk Ovink**, Dutch Water Envoy
- 11:00 **Welcome remarks**
Omer van Renterghem, Ministry of Foreign Affairs, The Netherlands
- 11:05 **Using the System of Environmental-Economic Accounting in policymaking**
Sofia Ahlroth, Worldbank, WAVES
- 11:15 **Informed decisions based on SEEA water accounts: what information does it provide?**
Cor Graveland, Statistics Netherlands, UNSD
- 11:25 **Water accounts to inform economic planning in Rwanda**
H.E **Claudine Uwera**, Minister of State in charge of Economic Planning, Rwanda
- 11:35 **Water accounts as a relevant tool to Integrated Water Resources management in Brazil**
Sérgio Ayrimoraes, Superintendent of water resources planning, ANA, Brazil
- 11:45 **Interactive panel on the policy use of water accounts: from practice to application**
Sofia Ahlroth, Worldbank, WAVES
Cor Graveland, Statistics Netherlands, UNSD
H.E **Claudine Uwera**, Minister of Finance and Economic Planning, Rwanda
Sérgio Ayrimoraes, ANA, Brasil
- 12:25 **Summary and wrap-up**
Henk Ovink, Dutch Water Envoy
- 12:30 **End of session**

The Water Risk Filter 5.0: Explore, assess, value and respond (11:00–11:45)

Room: NL 353

Convenors: DEG -Deutsche Investitions- und Entwicklungsgesellschaft mbH and WWF

The Water Risk Filter 5.0 is a major upgrade to a leading water risk tool. The global launch will showcase our enhanced data, maps, web interface, as well as new sections on water valuation and customized responses. Go beyond water risk assessment: explore, assess, value, respond.

Showcase

- 11:00 **Welcome and introductions**
Stuart Orr, WWF and
Jens Hoenerhoff, KfW/DEG
- 11:10 **Overview and tour through the upgraded Water Risk Filter 5.0**
Alexis Morgan, WWF
- 11:30 **Q&A**
- 11:35 **Concluding remarks and the future of the Water Risk Filter**
Ariane Laporte-Bisquit, WWF
- 11:45 **End of session**

Sunday | 26 August | 12:00–12:45

Ending cholera roadmap: Targeting WASH to 4% population in hotspots



Room: FH Cabaret

Convenor: Global Task Force on Cholera Control

The presence of cholera is a good indicator of very poor living conditions. Recent cholera hotspot mapping identified that 4% of the African population live in the most at risk areas for cholera, and therefore, in areas to target for WASH investment in order to leave no one behind.

Showcase

12:00 **Welcome**

Bruce Gordon, WHO

Introduction to Ending Cholera roadmap: A Global Roadmap to 2030

Kate Albertik, GTFCC

12:25 **Q&A**

12:40 **Summary and wrap-up**

Kelly Ann Naylor, UNICEF

12:45 **End of session**

12:05 **Interactive panel discussion: WASH investment in cholera hotspots**

Guy Hutton, UNICEF

Francis Bwalya, Zambia,

Permanent mission UN

Country representative

Claire Chase, World Bank

Introducing the Aqueduct Water Management Atlas



Room: NL 353

Convenors: Massachusetts Institute of Technology Sloan Sustainability Initiative, Pacific Institute and WRI

WRI and partners will unveil the Aqueduct Water Management Atlas. The session presents the first results of an innovative methodology which crowdsources data from companies to build a global data set of local public water management. The session will showcase the potential of such a data set, provide a forum for discussion, and outline opportunities contribute.

Showcase

12:00 **Presentation of the approach and first results**

Julian Koelbel, WRI,
Massachusetts Institute of
Technology

12:15 **Insights from key stakeholders**

- Experience of a contributing company
Jutta Hellstern, Novartis
- Potential of the tool for advancing water management practices (tbc)

12:30 **Q&A**

12:45 **End of session**

Sunday | 26 August | 12:00–12:45

Mapping global karst groundwater: A tool to enhance water security Room: NL 253

Convenors: BGR, GEF-IW:Learn and UNESCO

Groundwater resources in karstic aquifers are specific regarding their vulnerability, availability and ecosystem function. This has implications for the water supply for domestic and agricultural use. The new World Karst Aquifer Map (WOKAM) allows a more precise global quantification of karst systems and helps to increase awareness for adapted management.

Showcase

- | | | | |
|-------|--|-------|---|
| 12:00 | Challenges for water managers in karstic environments
UNESCO and BGR | 12:30 | Q&A |
| 12:05 | Regional and local scale case studies: DIKTAS and regional waterworks for the Montenegrin Coast
Zoran Stevanovic , University of Belgrade | 12:40 | Distribution of the new WHYMAP
UNESCO and BGR |
| 12:20 | WOKAM, the new WHYMAP: A global approach for karst aquifer mapping
Zhao Chen , Karlsruhe Institute of Technology | 12:45 | End of session |

Sunday | 26 August | 14:00–15:30

2018 WWW debate: Ecosystems vs. human development



Room: FH 307

Convenors: Arup and SIWI

Following on the huge success in 2017, SIWI together with Arup, are proud to present the 2018 WWW Debate: Ecosystems vs. human development – are they fundamentally at odds? It will be an interactive and challenging debate that you don't want to miss!

Event

14:00 **Welcome address**

Alexa Bruce, Arup and
Cajsa Larsson, SIWI

14:05 **Debate: Is ecosystem conservation fundamentally at odds with human development?**

Moderator: **Mark Fletcher**, Arup
Fred Boltz, CEO, Resolute development solutions and ambassador, the Resilience Shift
Amanda Janoo, Alternative economic policy advisor
Myriam Perez, Director, Young professionals for agricultural development
Belynda Petrie, CEO, OneWorld
Diego Rodriguez, World Bank
Marina Demaria Venancio, IUCN

14:45 **Debate opened to the floor**

15:20 **Take home thoughts from the panel**

15:25 **Voting**

15:30 **End of session**

2030 WRG: Multi-stakeholder approaches to innovation and impact



Room: FH Cabaret

Convenors: 2030 WRG and World Bank

The session will cover examples of transformational impact from 2030 WRG's country engagements, addressing a combination of improvements aimed at water efficiency, wastewater treatment and reuse, infrastructure development, local water governance, market linkages, economic incentives, and enabling policy and regulatory reform.

Showcase

14:00 **Welcome and introduction to the session**

Karin Krchnak, 2030 WRG

14:40 **Break out into 4 groups for thematic discussions**

15:10 **Brief announcement of 2030 WRG current work**

14:05 **Strategic fit: A world bank group perspective**

15:15 **Plenary feedback**

14:10 **Thematic pitches by partners**

- Maximizing finance for development
- Public private partnerships
- Water governance
- Technology-enabled solutions

15:20 **Next steps, wrap up, conclusions**

15:30 **End of session**

14:30 **Moderated audience Q&A**

Sunday | 26 August | 14:00–15:30

Can valuing water change our attitude towards water? Concrete examples!



Room: NL Auditorium

Convenors: DWS, Government of the Netherlands, CONAGUA, SIWI, World Bank and UN DESA

Too often we take water for granted. As a result, we waste it, pollute it, or ignore its destructive power. The opposite of taking water for granted is to value it, in all its dimensions. This session presents examples from different countries, followed by discussions and an exercise.

Event

14:00	HLPW movie understanding and valuing water	14:50	Interaction with audience: Discussion with quiz elements
14:10	On the valuing water coalition	15:20	Creative and inspiring closure
14:20	Panel discussion H.E Claudine Uwera , Minister of Finance and Economic Planning in Rwanda (tbc) Paseka Lesolang , Young entrepreneur from South Africa (tbc) Female representative of local Bolivian NGO (tbc) Female representative of World Youth Parliament for Water (tbc)	15:30	End of session

Ecosystems in an urbanising world: Challenges and opportunities for symbiosis



Room: NL Pillar Hall

Convenors: CAF, SIAAP, SIWI and Urban Waters Hub (GWP/HABITAT)

This seminar aims to (1) showcase selected nature-based solution experiences that change the urban fabric; (2) examine required changes in planning and governance; and (3) formulate policy recommendations on future adoption of ecosystem approaches, within the context of the New Urban Agenda and the Sustainable Development Goals.

Seminar

14:00	Introduction José Carrera , CAF	14:30	Pitches on urban planning, governance, and decision-making tools Peter van de Keur , Geological Survey of Denmark and Greenland Alexandra Campbell-Ferrari , The Center of Water Security and Cooperation Bojan Srdjevic , University of Novi Sad Uttam. C. Sharma , Centre for Natural Resources Management Homero Castanier , Utility of the city of Quito	14:55	Roundtable discussion
14:10	Keynote speech Pablo Bereciartua , Government of Argentina			15:15	Feedback from roundtables Victor Arroyo , CAF
				15:25	Concluding remarks José Carrera , CAF
				15:30	End of session

Sunday | 26 August | 14:00–15:30

Hydrological observation data and services for good governance



Room:
NL 357

Convenors: Nestlé and WMO

This interactive session will bring together decision-support services providers and decision-makers to catalyze a dialogue on how to improve service delivery between these two groups. Through good practices and an interactive discussion, key recommendations for user-oriented service provision will be gathered and put forward.

Event

Moderator: **Claudio Caponi**, Chief, Capacity building, WMO

14:00 **Setting the scene**

Harry Lins, President of the WMO Commission for hydrology

14:10 **Moderated panel discussion**

Gete Zeleke, Director of the water and land resource centre, Addis Ababa University (tbc)
Swiss agency for development and cooperation
Youth representative (tbc)

14:30 **Discussion: Opportunities to improve communication between users and providers of hydrological services**

- What key success factors can be drawn from experience to date?
- What additional actions can leaders take to encourage and improve communication?

15:15 **Brief summary of the main outcomes of the session**

Cédric Egger, Nestlé

15:30 **End of session**

Hygiene Behaviour Change (HBC): What works and what doesn't?



Room:
NL 461

Convenors: LSHTM, World Bank, WSSCC and WaterAid

Hygiene behaviour change is seen as complex undertaking and achieving sustained behaviour change at scale has remained one of the biggest outstanding challenges in WASH and health sector. This event brings evidences, practical experiences from countries and experts from academia, practitioners and donors to discuss what works and what doesn't?

Event

14:00 **State of the art of sustained behaviour change and examples from DRC and Iraq**

Prof **Val Curtis**, LSHTM

14:15 **Successful implementation of an innovative approach and creative behaviour change intervention at-scale from various countries: Key examples on what works and what doesn't**

Dr **Om Prasad Gautam**, WaterAid UK

14:30 **Challenges of at-scale hygiene behaviour change: Multi-country initiative in Peru, Tanzania and Vietnam**

Dr **Clair Chase**, World Bank

14:40 **Design and implementation of a nationwide behaviour change campaign in Pakistan**

Siddiq Khan, WaterAid Pakistan

14:50 **Combining policy advocacy, collective behaviour change programming and enabling environment interventions to increase the odds for long term behavioural impact**

Carolien Van Der Voorden, WSSCC

15:00 **Panel discussions: How can we achieve sustained behaviour change at scale?**

15:30 **End of session**

Sunday | 26 August | 14:00–15:30

Integrity management for sustainable water services

Room: NL 353

Convenors: cewas, LDB, SIWI and WIN

The event aims to address the need of practical guidance for water sector organisations to tackle corruption, the IM-Toolbox provides a step-by-step methodology for undertaking an integrity change process, and comprehensive information on integrity risks and mitigation tools. The event will share lessons learned from cases around the world.

Showcase

<p>14:00 Welcome and introduction: Integrity management for better service delivery in Latin America Sergio Campos, IDB</p>	<p>14:15 Integrity management toolbox methodology showcase</p> <ul style="list-style-type: none"> • The business model • Integrity risks/mismanagement practices • Integrity tools and mechanisms • An improved business model 	<p>15:25 Q&A</p>
<p>14:10 Consortium for water integrity in Latin America Jacopo Gamba, WIN Leonellha Barreto, cewas Pilar Avello, SIWI</p>	<p>15:05 ERSAPS: The experience of the Honduras water regulator Giovanni Espinal, ERSAPS Edwin Korir, Kenya Water Sector Trust Fund</p>	<p>15:30 Closing words and end of session</p>

Investing in freshwater ecosystems and biodiversity: A key development challenge



Room: FH 202

Convenors: ARCOS Network, BMZ and IUCN

Managing freshwater to sustain ecosystems and biodiversity is critical for sustainable development. Balancing conservation and development brings inherent trade-offs. This seminar will demonstrate solutions for investing in freshwater ecosystems and biodiversity to address development needs. Policy recommendations will be developed and specifically tailored for the upcoming CBD COP 14.

Seminar

<p>14:00 Introduction Louise Karlberg, SEI</p>	<ul style="list-style-type: none"> • Investing in aquatic ecosystems and biodiversity: Beginning from schools Neetika Sharma, Government High School • Making freshwater biodiversity in the Americas count: Safeguarding water security Vanesa Rodriguez Osuna, Environmental Sciences Initiative, CUNY • Wetworking: A participatory network for wetland conservation Deepthi Wickramasinghe, University of Colombo 	<ul style="list-style-type: none"> • Willingness to accept: Enticing landholders into environmental payments schemes Mitchell Kirby, Southern Cross University • Integrating water and energy bills to construct the wastewater infrastructure Mouloud Nouraki, Amendis
<p>14:05 Introduction to World Café</p> <ul style="list-style-type: none"> • Balancing built and natural infrastructure investments in Kenya's Tana basin Julien Harou, University of Manchester • Understanding freshwater biodiversity and aquatic systems threats for enhanced decision-making Leonardo Viana, Conservation international 		<p>14:25 World cafe</p> <p>15:25 Conclusions or wrap-up Louise Karlberg, SEI</p> <p>15:30 End of session</p>

It saves to spend: Global flood defense investment strategy evaluation

Room: NL 253

Convenors: Deltares, World Bank, Vrije Universiteit Amsterdam and WRI

The event will present a global benefit-cost analysis tool that can be used to inform flood protection investment decisions worldwide. Benefits include protecting vulnerable populations and reducing the financial cost of floods. The discussion will highlight future applications of the tool, including its potential to develop hybrid green/gray infrastructure strategies.

Showcase

- | | | | |
|-------|---|-------|-----------------------|
| 14:00 | What's new in Aqueduct Global Flood Analyzer 3.0
WRI | 15:10 | Q&A |
| | | 15:30 | End of session |
| 14:15 | Under the hood: Data and methods for global flood protection cost-benefit analysis
VU | | |
| 14:30 | Tool demo, case 1
WRI | | |
| 14:50 | Tool demo, case 2
WRI | | |

Exhibition Hall

S4M approaches sustainable O&M for sanitation facilities in public institutions (15:00–15:30)

Convenor: GIZ

With large numbers of users, sanitary facilities in public institutions can play a vital role in the provision of sanitation services to underserved population. In the context of flight and internal displacement, those who lack adequate facilities at household level often use toilets and handwashing stations in public institutions as alternatives. Cleanliness and maintenance of public sanitary facilities are a particular challenge, requiring the development of effective managerial plans, enforcement strategies and behavior change amongst users.

This Sofa presents innovative concepts for O&M which are currently implemented by Sanitation for Millions (S4M) in Jordan, Uganda, and Pakistan.

The convenors of the Sofa will discuss best practices and lessons learned from the programme implementation focusing on O&M related issues such as vandalism, cleanliness, technical maintenance and behavior change. The aim of this sofa is to elaborate on the challenges and opportunities of the S4M concepts for inclusive O&M, with special attention to the needs of the most vulnerable – refugees, girls, women and children with special needs. It intends to foster a better understanding of how to clearly assign responsibilities for O&M, make use of pre-existing power structures and hierarchies in public institutions, and incentivize change agents to develop sustainable concepts.

Sofa

Sunday | 26 August | 14:00–15:30

Smart(er) systems for water and sanitation: Subsidies, financing, and markets



Room:
FH 300

Convenors: iDE, Social Finance, World Bank and Water.org

Achieving SDG6 targets comes with a price tag that requires a paradigm shift in how water and sanitation services are financed, blending public and private finance with strategic, targeted subsidies. This session explores the drivers and challenges for integrating these mechanisms to create sustainable water and sanitation services for all.

Event

- | | | | |
|-------|--|-------|---|
| 14:00 | Introductions and framing | 14:50 | Panel discussion #2
Structuring subsidies
effectively: Cases from the field
illustrating how subsidies can
be structured effectively to
ensure they reach the intended
audiences |
| 14:10 | Panel discussion #1
Blending public and private
financing: Cases from the
field illustrating how public
and private financing can be
blended to optimize scarce
resource allocation | 15:15 | Audience discussion for
panel discussion #2 |
| 14:35 | Audience discussion for
panel discussion #1 | 15:25 | Summary |
| | | 15:30 | End of session |

Exhibition Hall

Sustainability of WASH services: Making it real (14:00–14:30)

Convenors: DGIS, UNDP-SIWI WGF and UNICEF

Sofa

Improving sustainability of WASH services is essential for achieving the SDGs. In this Sofa, we will discuss with UNICEF and DGIS how have been implementing a number of initiatives to make Sustainability real in the

Mechanisms such as Sustainability Compacts-agreements signed at national level to address sustainability, and Sustainability Checks- regular spot checks to uncover sustainability challenges and address them - will be

Innovative financing mechanisms for Sustainability will be also discussed.

Sunday | 26 August | 14:00–15:30

Tapping into collective wisdom: Gender sensitive development and water ecosystems



Room: FH
Little Theatre

Convenors: AWP, SIWI, WWAP and WfWP

The main objective of the seminar will be to contribute to better understanding sustainable development for enhanced ecosystems through gendered transformative approaches. It aims to elaborate on development interventions that capitalised on indigenous/traditional knowledge enhancing water ecosystems.

Seminar

Getting it right: How measuring and methods can assist

14:00 **Introduction**

Lesha Witmer, WfWP
Michela Miletto, WWAP

14:05 **Methods: Monitoring and analysis tools for projects**

- Hands on: 'BRIDGE' and 'GREAT' tool
Isabelle Fauconnier, IUCN
- What sex-disaggregated water data mean for water policies: the WWAP Toolkit application in HH surveys in Southern Africa

Bothepha Mosetlhi, University of Botswana and WWAP

14:25 **Q&A**

14:35 **Field to Action**

- An alternative gender analytical approach for water governance
Laura Imburgia, University of Reading
- What gets measured (by women), gets managed
Ellen Pfeiffer, IHE Delft
- 'MAR2R' Project
Maria Amalia Porta, WWF

15:05 **Communications is Key: Interactive Q&A**

Laurens Thuy, WWAP

15:25 **Conclusion**

Michela Miletto, WWAP

15:30 **End of session**

Working with the flow? Multifunctional landscapes in a changing climate



Room: NL
Music Hall

Convenors: CGIAR-FTA, DHI, Focali, Gothenburg University, SIWI SWH, SLU Global, Stockholm University, Swedish Forestry Agency and SIANI

In multifunctional landscapes, trees, forests and farmlands are means to manage the water cycle for human wellbeing and development. This is fundamental to address water and food security, and resilience to climate change. This event will focus on challenges and opportunities in restoring degraded landscapes in drylands in Sub-Saharan Africa.

Event

14:00 **Welcome and introduction**
Lotta Samuelson, SIWI

14:10 **Sustainable use of water in the landscape for productive and multifunctional landscapes**
Anna Tengberg, SIWI

14:20 **Strengthening of water and landscape governance in the Central Rift Valley, Ethiopia**
Dr **Kebede Kanchula**, Rift Valley Lakes Basin Authority, Ethiopia

14:40 **Tree water interactions at the farm level and implications at the landscape scale**

Dr **Catherine Wangari Muthuri**, ICRAF, Kenya

15:00 **Interactive panel discussion**

Facilitators: **Linda Hansson**, Focali and SIANI
Panelists from RVLBA, ICRAF, Swedish forest agency, SLU, DHI and EcoLoop

15:25 **Conclusion of the event**
Lotta Samuelson, SIWI

15:30 **End of session**

Catalysing human development through climate-resilient water infrastructure



Room: FH 202

Convenors: CRIDF, Illovo sugar, IISD, Pegasys, SouthSouthNorth and OKACOM

Climate resilient water infrastructure that is in harmony with ecosystem requirements is critical to enhancing human development. This session provides an overview of tools, approaches and case studies that support policy-makers, planners, financiers and technical decision-makers (in both water and water-dependent human development sectors) to address climate risks and vulnerability.

Event

16:00 **Welcome**

Dr **Shehnaaz Moosa**,
SouthSouthNorth

16:05 **Introduction**

Dr **Charles Reeve**, CRIDF

16:15 **World Cafe sessions**

- Climate resilient development pathways
Facilitators: OKACOM and IISD
- Vulnerability assessment tools
Facilitators: Pegasys and Illovo Sugar Africa
- Mainstreaming climate resilience in large water infrastructure
Facilitators: Pegasys and SouthSouthNorth
- Preparing adaptation-focussed Green Climate Fund applications
Facilitator: CRIDF

17:00 **Feedback from World Cafe facilitators**

17:20 **Wrap-up**
Dr **Shehnaaz Moosa**,
SouthSouthNorth

17:30 **End of session**

Exhibition Hall

Decision-support systems to measure water-related trade-offs in Latin America (16:00–16:30)

Convenors: CI, Tecnológico de Monterrey and FEMSA

Sofa

The Strategic Decisions Core (NED, by its Spanish acronym), hosted by the Water Center for Latin America and the Caribbean at Tecnológico de Monterrey (TEC), supports innovative approaches to addressing complex water resource issues in the LAC region. They link science with policy, promoting dialogue between different sectors of society and employing mathematical modelling to support the decision making process. Two Pilot Projects are examples of this methodology. The first one, key in the Water Plan of Nuevo Leon, involved developing a series of scenarios to meet projected water demand for securing water supply in Metropolitan Monterrey.

NED and Conservation International (CI) are working together in the Second Pilot Project, focused on evaluating water-related tradeoffs by applying the Freshwater Health Index, a set of quantitative indicators, in three basins in Peru, Brazil and Colombia. The results help multiple stakeholders evaluate the health of their basins and their ability to provide services including water supply, erosion prevention, and flood mitigation. Working with basin committees, municipalities, and other partners, the TEC/CI team has developed and is modeling scenarios for climate change and land use change to help identify potential tradeoffs among agricultural intensification, urbanization, ecosystem conservation and restoration.

Sunday | 26 August | 16:00–17:30

Ecosystems in an urbanising world: Challenges and opportunities for symbiosis



Room:
FH 307

Convenors: CAF, SIAAP, SIWI and Urban Waters Hub (GWP/HABITAT)

This seminar aims to (1) showcase selected nature-based solution experiences that change the urban fabric; (2) examine required changes in planning and governance; and (3) formulate policy recommendations on future adoption of ecosystem approaches, within the context of the New Urban Agenda and the Sustainable Development Goals.

Seminar

16:00	Opening remarks and recalling key messages from other sessions Francois Brikké, GWP	16:20	Sofa discussion and panel Fred Boltz, CEO, Resolute Development Solutions Celestine Ketcha Courtes, Mayor of Bangangté Jean-Didier Berthault, Vice President, SIAAP Gisela Kaiser, Executive Director, Water and Sanitation, City of Cape Town Hu Chaingwei, Institute of Water Resources and Hydropower (tbc)	17:15	Conclusions of Sofa discussion and seminar
16:10	Input statement on integrated infrastructure management in urban areas Steven Loiselle, Earthwatch			17:30	End of session

Falkenmark Symposium: Financing an African water revolution



Room: NL
Music Hall

Convenors: SEI, SIWI and SRC

Following up on the 2016 Falkenmark Symposium and an expert workshop in Kigali, this year's event will focus on the African Water Revolution and scaling up green water solutions. Discussions with financial experts will identify the challenges to financing change and secure funding for green water initiatives across Africa.

Event

16:00	Introductory words of welcome Prof Malin Falkenmark, SRC	16:20	Panel discussion: Perspectives from different financiers <ul style="list-style-type: none">• Why hasn't financing for rainfed agriculture scaled?• What is needed in order for it to scale?
16:05	Answering the call for an African Water Revolution: Results from expert workshop and roadmap Katherine Madden, SIWI	17:20	Building support for financing: Summing up Prof Johan Rockström, SRC
16:10	Financing rainfed agriculture Len Abrams, SIWI	17:30	End of session

Sunday | 26 August | 16:00–17:30

Groundwater: Mapping a global story of pollution, scarcity and survival

Room: NL 461

Convenor: Circle of Blue

Together we will explore the vast and hidden threats to the world's groundwater, the fragile resource underpinning our survival. This interactive and personally compelling seminar focuses on the critical damage to ecosystems and human health from farming, industrial, and political practices that have persistently put our future at risk.

Event

16:00	Setting the scene: An underground garbage can Carl Ganter , Circle of Blue	16:50	Small group workshop on the following groundwater themes: <ul style="list-style-type: none">• Science and data• Health and pollution• Quantity• Governance and policy
16:05	Groundwater pollution in the United States Brett Walton , Circle of Blue		
16:20	India's groundwater crisis (tbc)	17:10	Group discussion to fill in the map of groundwater hotspots
16:30	Managed aquifer recharge in India: Overcoming the risks Paul Pavelic , IWMI	17:25	Summary and wrap-up Carl Ganter , Circle of Blue
16:40	Q&A: Mapping global groundwater challenges	17:30	End of session

How internet of things solves real problems (16:00–16:45)



Room: NL 253

Convenors: City of Stockholm and Ericsson

At this showcase we will provide a holistic overview on how innovative internet of things solutions, big data and analytics, can support better decision making, cost savings and develop proactive water management. The session will include examples of collaborative projects, such as iWater led by the City of Stockholm, Ericsson Weather Data and a new CEO Water Mandate project to be applied in the viticulture context in one of California's prominent winegrowing regions. The session will also include the Connected Environmental Monitoring solution from Ericsson, where focus will be to share how the concept of real time data is useful to water stakeholders.

Showcase

Moderator: Matilda Gennvi Gustafsson , Ericsson	16:15	iWater project in Digital Demo Stockholm Gunnar Söderholm , City of Stockholm	16:45	End of session
16:00	Welcome and intro Mats Pellbäck Scharp , Ericsson and Gunnar Söderholm , City of Stockholm	16:25	Ericsson Weather Data: NowCasting Rainfall Jonas Hansryd , Ericsson	
16:05	Connected Environmental Monitoring @Ericsson Ruchi Verma , Ericsson	16:35	Addressing water issues in Californias prominent winegrowing regions Cora Kammeyer , Pacific Institute	

Sunday | 26 August | 16:00–17:30

Investing in freshwater ecosystems and biodiversity: A key development challenge



Room: NL Auditorium

Convenors: ARCOS Network, BMZ, IUCN and SIWI

Managing freshwater to sustain ecosystems and biodiversity is critical for sustainable development. Balancing conservation and development brings inherent trade-offs. This seminar will demonstrate solutions for investing in freshwater ecosystems and biodiversity to address development needs. Policy recommendations will be developed and specifically tailored for the upcoming CBD COP 14.

Seminar

16:00 **Introduction**

James Dalton, IUCN

16:05 **Key note speech**

Dr **Ebenizário Chonguiça**,
Executive Secretary, Permanent
Okavango River Basin, Water
Commission

16:25 **Panel discussion**

H.E **Karolina Skog**, Minister on
Environment, Sweden

Sam Kanyamibwa, ARCOS

Franz-Birger Marré, BMZ

Canisius Kanangire, Executive
Secretary, AMCOW

Prof **Elsa Galarza**, Universidad del
Pacífico, Peru and Former Minister
of the Environment for Peru

17:15 **Conclusions or wrap-up**

Louise Karlberg, SEI

Karin Lexen, SSNC

17:30 **End of session**

Leveraging informal water diplomacy in high level processes



Room: NL Pillar Hall

Convenors: CAREC, IHE Delft and SIWI

Inclusive approaches for transboundary water management encourage broad stakeholder participation in water governance processes. This session will explore real world case studies demonstrating opportunities and remaining barriers to leverage informal water diplomacy successes to effectively and sustainably influence relations among state actors, including formal negotiation and other water diplomacy processes.

Event

16:00 **Introduction to the session**

Dr **Martina Klimes**, SIWI and
Elizabeth Yaari, SIWI

16:15 **Case studies introduction**

Facilitator: **Kerry Schneider**,
SIWI

16:20 **Case study 1**

H.E Dr **Hassan Janabi**, Minister
of Water Resources, Republic of
Iraq (tbc)

16:30 **Case study 2**

IHE SWP media training
representative (tbc)

16:40 **Case study 3**

Anna Inozemtceva, CAREC

16:50 **Presenters and case study
panel discussion**

Facilitator: **Kerry Schneider**,
SIWI

17:15 **Closing reflection**

Dr **Susanne Schmeier**, IHE Delft

17:30 **End of session**

Sunday | 26 August | 16:00–17:30

Pharmaceuticals: Scientific developments and cost-effective policy responses

Room: FH 300

Convenors: GWRC and OECD

We better understand how pharmaceuticals affect ecosystems. Still, it is not clear how to balance the benefits for human health and the risks for freshwater and ecosystems. The session will explore how new scientific developments, such as advanced monitoring methodologies, can inform innovative and cost-effective policy responses and policy guidelines.

Event

- | | | | |
|-------|--|-------|---|
| 16:00 | Introduction
Hannah Leckie , OECD | 16:20 | Panel and audience Q&A
“tackling the challenge of pharmaceuticals in water”
Bruce Gordon , Coordinator of WASH, WHO
Maria Wallin , Head of Chemicals Division, Ministry of Environment & Energy, Sweden (tbc)
Bruno Tisserand , Veolia
Joakim Giacomoni-Vincent , Director General, SIAAP
Bengt Mattson , Pfizer, Sweden |
| 16:05 | Keynote on AMR and One Health Concept
Marc Sprenger , WHO (tbc)
Bruce Gordon , Director AMR Coordinator of WASH WHO | 17:25 | Concluding remarks
Armelle Hebert , GWRC |
| | | 17:30 | End of session |

Regulation of water and sanitation services: From theory to practice (16:00–16:45)

Room: NL 353

Convenors: Global WASH Cluster, Lisbon Water Center, UNDP-SIWI WGF, UNICEF and WHO

This session aims to generate a deeper understanding of Regulation for water and sanitation services as a set of tools and instruments for implementing specific legislative framework. The UNICEF Regulation Practice Manual will be presented and used in an interactive group dynamic, offering the audience an opportunity to engage.

Showcase

- | | | | |
|-------|---|-------|--|
| 16:00 | Welcome
Alejandro Jimenez , SIWI | 16:15 | Panel round table on regulation in WASH sector: Current challenges and future perspectives in WASH regulation
Moderator: Ivan Draganic
Angie Saleh , SIWI WGF, UNICEF
UNDP Tajikistan
Batsirai Mahuru , WHO
Baptista Jaime Melo , LIS WATER
Alejandro Jimenez , SIWI WGF |
| 16:05 | Introduction to regulation of water and sanitation services manual
Ivan Draganic , WGF | 16:45 | End of session |

Sunday | 26 August | 16:00–17:30

Shared sanitation: When individual toilets aren't enough



Room: NL 357

Convenors: GIZ, BMZ, World Bank, University of Leeds, WSUP, WaterAid and WHO

Shared sanitation is associated with examples of failed, poorly operated and underutilized infrastructure. But hundreds of millions of people still regularly rely on shared solutions. Come learn about recent positive global experiences with shared sanitation and participate in an ideas competition around improving O&M for public toilets.

Event

16:00 Opening presentation

- Introduction to shared sanitation
- The role of monitoring and evaluation
- Key sector challenges related to operation and maintenance, monitoring and evaluation, inclusion, etc

16:30 Small group idea competition

- Brainstorming innovative ideas: Challenges of O&M and inclusion for shared sanitation
- Group presentation of ideas
- Vote

17:15 Session wrap up

16:20 Case study: Sanitation for millions presentation

17:30 End of session

Tapping into collective wisdom: Gender sensitive development and water ecosystems



Room: FH Little Theatre

Convenors: AWP, SIWI, WWAP and WfWP

The main objective of the seminar will be to contribute to better understanding sustainable development for enhanced ecosystems through gendered transformative approaches. It aims to elaborate on development interventions that capitalised on indigenous/traditional knowledge enhancing water ecosystems.

Seminar

The law of inclusion: Bringing women and indigenous perspectives into policies and practice

16:00 Recap of second session Michela Miletto, WWAP

16:05 Introduction to session 3 Marian Neal, AWP

16:10 A call to action: GESI Champions in water Chelsea Huggett, WaterAid

16:20 Panel discussion

- Gendered approach in capitalising on traditional knowledge for WRM: India

Uttam Sharma, Centre for Natural Resources Management, India

- Water, Women and El Corredor Seco, Mexico

Géraldine Gené, WaterLex

- Integrating indigenous and scientific drought forecasts empowers africa's women small-holder

Muthoni Masinde, Central University of Technology, Free State, South Africa

- Gender responsive budgeting
Gemma Akilimali, Tanzania Gender Networking Programme

17:00 Summary of key seminar messages

Dipak Gyawali, Nepal academy of science and technology

17:10 Handing over the baton for 2019

Marian Neal, AWP

17:15 Handing over the baton

SIWI, WfWP, WWAP, DFAT

17:30 End of session

Sunday | 26 August | 16:00–17:30

Water action decade event



Room: FH
Cabaret

Convenors: UN DESA, UNU-INWEH and UN-Water

The event will provide an overview of current work in support of the Decade and focus on how to mobilize action to make sure that the water-related Goals are met. The event will enable participants to learn more about the objectives of the Decade and how to get engaged.

Showcase

16:00 **Setting the stage**

Dr **Vladimir Smakhtin**, UNU-INWEH

16:15 **Roundtables: “What are you doing that fits into the Water Decade Action Plan?”**

Facilitators: WWF, GWP, Water.org and WfWP

17:20 **Wrap-up**

Juwang Zhu, UN DESA

17:30 **End of session**

Disruptive innovation for the water sector: Imagining the future (17:00–17:45)



Room:
NL 253

Convenor: World Bank

Breakthrough innovation in technologies and service delivery will be needed to meet the Sustainable Development Goals for water. This session will present the World Bank’s water innovation work, including a vision for the 21st century utility and applications for fintech in water.

Showcase

17:00 **Introduction: Disruptive innovation in water and the World Bank**

17:05 **Presentation: Designing the 21st century utility**

17:15 **Presentation: Fintech applications in the water sector**

17:25 **Q&A**

17:45 **End of session**

Room: Exhibition Hall

Leveraging pay-as-you-go and new technologies for universal accessible water access (17:00–17:30)

Convenors: CITYTAPS and Veolia

According to a Global Water Leaders' report, \$323 billion US is wasted yearly on inadequate water and sanitation services, however it remains financially risky for utilities to provide everyone with water service in the traditional post-paid system. Pay-As-You-Go (PAYG) water is a financially innovative and inclusive solution that can be leveraged to dramatically increase access to on-premises utility-piped water worldwide. With PAYG, the urban poor become viable utility subscribers. This creates an economic incentive for water utilities to serve them, knowing they will be paid for the water service they provide.

Through a partnership between a large corporation, Veolia, and a socially-focused startup, CityTaps, this event will demonstrate how learnings from an expanding pilot in Niger can be applied in other contexts and geographies. CityTaps focuses on bringing financial and technological innovations to water utilities to help them expand their networks and increase coverage. Veolia embraces new technologies to better serve their existing subscribers, and expand their subscriber base. Veolia supports social enterprises and acknowledges the benefits of such partnerships.

Sofa

Training on TNA in the Jordanian water sector



Room: NL 353

Convenors: GIZ and Water Authority, Jordan

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), in cooperation with the Water Authority of Jordan (WAJ), will present the Training on Training Need Analysis (TNA) approach and experiences the Jordanian Water Sector.

17:00 Welcoming and opening speech

H.E **Iyad Dahiyad**, Secretary
General, WAJ

17:05 Panel discussion

Majed Alqtaishat
Dirk Winkler
Sabrina Fath
Dr **Martina Schubert**

17:35 Q&A

17:45 End of session

Showcase

Sunday | 26 August | 18:00–21:00

Young Professionals Mingle

Boqueria MOOD Stockholm

Jakobsbergsgatan 17

18:30–21:00

Are you under 35? Would you like to network with other young professionals?

Join us for a drink at the Young Professionals Mingle and take the opportunity to start off the Week by networking with other young water enthusiasts in an informal setting!

Bring your conference badge and arrive before 18:30 to get a free glass of beer/wine/cava/non-alcoholic drink!

Want more? The bar will be open until 21:00 where you can buy more drinks as well as tapas/pintxos

See you there!

Limited drink tickets available. First come – first serve policy.



Photo: iStock

Under the bridges

Boat ride through Stockholm

Strömkajen

18:45–21:00

See the beauty of Stockholm from the water during this memorable sightseeing boat tour. The journey takes you under fifteen bridges and passes through two of the locks connecting the Baltic Sea with the lake Mälaren. A unique experience that captures the beauty of the islands of Stockholm.

Departure from: Strömkajen

*Tickets can be purchased at the registration desk. Cost: 275 SEK
Please note: the boat leaves at 19:00 sharp.*



Photo: Strömma

Monday | 27 August



Coffee 10:30–11:00
15:30–16:00
Lunch 12:30–14:00



The value independent certification brings to global water stewardship

Convenors: AWS, Ecolab, Nestle Waters, Renmark and SCS Global Services

Fresh water availability is severely threatened by population pressures, resource constraints, geopolitical turmoil, industrial pollution, and climate change. As a result, responsible water management has become an essential component of sustainable business strategy – key to preventing supply chain, distribution, and operational disruptions, and critical for protecting brand reputation. Global water standards, such as the Alliance for Water Stewardship standard, provide needed guidance for water users and managers seeking to assure responsible water governance, sustainable water balance, good water quality, and healthy water-related sites. To be effective, such standards rely on robust third party certification.

Panelists discuss the role that independent certifiers play in translating the standard into real world situations, ensuring that proper procedures are in place for responsible water stewardship, assuring that stakeholder concerns are considered, and supporting reputable marketplace claims. Nestlé Waters North America, Ecolab, and Renmark speak about challenges faced, opportunities identified, and lessons learned as they underwent independent assessment, and hear their perspectives on the market and larger significance of certification. Additionally, participants dialogue with AWS and SCS Global Services about certification.

Room: FH Congress Hall

Opening plenary

Convenor: SIWI

The Opening plenary officially opens the World Water Week 2018. This year's theme 'Water, Ecosystems and Human Development' invites and inspires fruitful connections to address the critical role of water in the functions of ecosystems and how ecosystems play a key role in water production, protection and maintaining the hydrological cycle. From official welcome addresses to high-level decision makers and renowned persons keynotes, and as by tradition, the 2018 Stockholm Water Prize Laureates, the Week invites leading figures, such as H.E. Amina J. Mohammed, UN deputy Secretary General and His Holiness Pope Francis to express their views on the importance of Water and Ecosystems to reach a just and prosperous world. World Water Week offers its convening power and triggers facilitated dialogues to set a common agenda to address our shared goals in a systemic way.



Prof Mark van Loosdrecht
Delft University of Technology, The Netherlands



Karin Wanngård
Mayor of Stockholm



Prof Bruce Rittmann
Biodesign Institute, Arizona State University, USA



H.E Claudine Uwera,
Minister of State in charge of Economic Planning, Rwanda



Carin Jämtin
Director General, Swedish International Development Cooperation Agency (Sida)



Åsa Regnér
Deputy Executive Director, Intergovernmental Support and Strategic Partnerships, UN-Women



Pratap Thapa
MS. Management of Technology and Co-founder of aQysta



Ryan Hreljac
Founder of the international Ryan's Well Foundation



Amanda Janoo
Industrial Policy Analyst, UNIDO and GIZ



Myriam Pérez
Director, Young Professionals for Agriculture Development



Prof Malin Falkenmark
SIWI



H.E Amina J Mohamed
Deputy Secretary General, UN



Peter Forssman
Chair SIWI



Torgny Holmgren
Executive Director, SIWI



Gabriela Suhoschi
Director, World Water Week & Prizes, SIWI

09:30 **Welcome to the World Water Week 2018**
Gabriela Suhoschi and **Torgny Holmgren**

09:45 **Welcome to Stockholm**
Karin Wanngård

09:55 **Stockholm Water Prize 2018: Laureate's Lecture**
Moderator: **Maggie White**
Prof **Bruce Rittmann** and Prof **Mark van Loosdrecht**

10:20 **Key note speaker**
Carin Jämtin

10:30 **Key note speaker**
Åsa Regnér (tbc)

10:40 **Panel discussion: ACT for today and tomorrow**
Moderator: **Claudine Uwera**
Ryan Hreljac
Amanda Janoo
Pratap Thapa
Myriam Pérez (tbc)

11:10 **Special recognition award to Prof. Malin Falkenmark**
Peter Forssman and **Torgny Holmgren**

11:20 **Water, ecosystems and human development, at the heart of the global agendas**
H.E Amina J Mohamed

11:30 **Closing statement**
Torgny Holmgren and **Gabriela Suhoschi**

Exhibition Hall

From sector coordination to effective national accountability for SDG 6 (10:00–10:30)

Convenors: Coalition Eau, End Water Poverty, IRC, Simavi, WaterAid, WIN and WSSCC

This session will showcase our ground-breaking global research on national accountability mechanism on SDG 6. It is widely recognised that the sustainable development goals (SDG's) are ambitious and will require effective collaboration among all stakeholders. There is a perception out there is that, many national WASH policies on planning, monitoring and review processes do not seek to consult and/or involve main stakeholders. The results of our global study on national accountability mechanisms conducted in 25 will be providing some targeted answers to governments, donors and civil society.

We would be engaging the Sofa audience with a lively presentation which would be engaging, informative and forward looking.

Sofa

Exhibition Hall

Enhancing drought management and resilience: Showcasing the MENA-RDMS (11:00–11:30)

Convenors: ICBA, NDMC, Robert B. Daugherty Water for Food Global Institute at the University of Nebraska, UNL and USAID

Droughts in recent years in the Middle East-North Africa (MENA) have once again brought damage to ecosystems and natural resources, losses of life, mass migrations of people, and millions of dollars of economic devastation. Managing the impacts of drought is complex with challenges ranging from the provision of disaster relief, to responsibilities and governance across agencies to financing activities. Whilst monitoring and early warning systems are possible they require a sometimes difficult marriage between a) earth observation and dynamic modeling and b) user communities at both policy and field levels.

With predicted increases in drought in the MENA region, affecting major water resource systems and crop production areas, it is important that the challenges and possibilities are explored to support water and food security initiatives. Join us for this sofa event broadcast where recent advances in drought management are highlighted. Experiences from the MENA region are shared on both the possibilities and challenges in bringing into use and acting on new sources of data and policy initiatives to support managing the impacts of impending or ongoing droughts.

Sofa

Stewarding water resources for future generations – the role of business

Convenor: Nestlé

Water is essential for life. As individuals, we need water to live. Communities need access to water to survive and to thrive. Yet, water is the first commodity on earth that is in short supply. The UN estimates that by 2030 global demand for water will exceed supply by 40%.

Industry and agriculture play an important role, together accounting for up to 90% of the world's freshwater demand. To promote sustainable water management at watershed level, multi-stakeholder initiatives like the Alliance for Water Stewardship provide a platform for business and other actors for collective action.

Panelists from different sectors will discuss on this SIWI Sofa how business can contribute together with other actors to sustainable water management in each of the following areas: Factories, watersheds, agricultural supply chains and communities.

Sofa

Why are you here?

Convenor: SIWI

Why are you here? At this networking session, at World Water Week or on this planet?

Join us for a special networking session to make new friends and deepen existing relationships. Get to know fellow participants through this especial activity. Make new connection and feel inspired.

A networking facilitator will lead you and your peers through the networking session.

Which room?

You love spending time in/on:

- The mountains (go to room FH 300)
- The beach (go to room FH 307)
- The city (go to room FH 202)
- The countryside (go to room FH Little Theatre)

Networking session

Monday | 27 August | 14:00–15:30

Blended finance: From principles to practice



Room: FH 300

Convenors: Government of the Netherlands, IRC, OECD, Water.org and WWC

Blended finance - the strategic use of development finance to mobilize additional finance towards sustainable development - is a promising approach to scale-up financing flows to achieve the water-related SDGs. This session explores the principles, instruments and mechanisms for blended finance and practical examples that deliver on the ground.

Event

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|---|--|---|
| <p>14:00 Introductory remarks: How can valuing water enable blended finance to scale up financing for water?
Henk Ovink, Special Envoy for International Water Affairs, Kingdom of the Netherlands</p> | <p>14:50 Panel introduction: Key messages from the World Water Council's work on Hybridity and Blended Finance (including lessons from other sectors)
Moderator: Dr Alex Money, Oxford Smith School</p> | <ul style="list-style-type: none"> • Ignite talk
Fatimatou Sall Ndiaye, Senegalese Youth Water and Sanitation Partnership |
| <p>14:05 Scene setting presentation: A spectrum of water-related investments and their readiness for blended finance, drawing on the OECD-DAC Principles for Blended Finance
Kathleen Dominique, OECD</p> | <p>14:55 Ignite talks</p> <ul style="list-style-type: none"> • Government-led blended finance to achieve an Open Defecation Free India
Vedika Bhandarkar, Water.org • Blended finance options for water supply and sanitation in rural and small towns in Ethiopia
Dr Catarina Fonseca, IRC | <p>15:05 Discussant: Why should private investors engage?
Christopher Flensburg, SEB (tbc)</p> |
| <p>14:15 Ignite talks and panel discussion: From principles to practice: Lessons from experience on the ground</p> | | <p>15:10 Interactive debate with the audience</p> <p>15:25 Closing remarks: Gauging the potential for blended finance for water investments: Key takeaways and next steps
Karin Lindblad, Sida</p> |
| | | <p>15:30 End of session</p> |

Business leadership for oceans: Source-to-sea solutions

Room: NL Music Hall

Convenors: S2S Platform, Sida, SLSD, SIWI and WOC

In this panel, business representatives will give their perspectives on how ocean sustainability can be enhanced by individual and collective action from stakeholders based on land and at sea.

Event

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|---|---|---|
| <p>14:00 Welcome and introduction
Paul Holthus, CEO, WOC</p> | <p>14:20 Panel discussion and audience interaction
Moderator: Paul Holthus</p> | <p>15:25 Closing remarks
Torkil J. Clausen, Chair of the S2S Platform</p> |
| <p>14:05 The need for business leadership for oceans
Torkil J. Clausen, Chair of the S2S Platform</p> | <p>Panelists:
Caroline Reid, Inter IKEA Group
Shariful Hoque, H&M
Staffan Hansén, CEO, SPP Pension (tbc)
Ruth Mathews, SIWI Senior private sector representatives from fertilizer, plastics and agribusiness industries (tbc)
SLSD(tbc)
WOC (tbc)</p> | <p>15:30 End of session</p> |
| <p>14:15 Swedish Leadership for Sustainable Development
Sida (tbc)</p> | | |

Monday | 27 August | 14:00–15:30

Catalyzing the global public: Using a film to effect change

Room: NL 253

Convenor: KEO films

Films can foster change but not on their own.

View exclusive scenes from forthcoming landmark feature documentary 'Day Zero' filmed across the globe.

Join us to discuss ways to ensure the film's audience emerge from the dark more aware, more informed, and motivated to take action!

Event

14:00 Welcome and introduction

- The Role of Media in Raising Public Awareness, 'Day Zero'
- Virginia Quinn**, Director, KEO films
David Wallerstein, Executive Producer, Day Zero

- The making of Day Zero - the research, the challenging film shoots, the experts, the locations, the people we've met - the story we plan to tell!

- Discussion on how can we all work together to maximize the opportunity for impact
- Is there a global public message regarding water security?
- Your questions, ideas and suggestions

14:10 What is the film 'Day Zero' all about?

- Virginia Quinn**, Director, KEO films
- View the film's trailer
 - Hear the story behind the film - why this film and why now?

14.30 Screening of exclusive excerpts from the film

14.50 Maximizing impact

Open forum and interactive discussion led by David and Virginia

- Initial ideas on engaging a global audience

15:20 Wrap up and way forward

15:30 End of session

High Level Panel on Water Diplomacy

Room: NL Auditorium

Convenor: SIWI

Event

14:00 Welcome and introduction

Torgny Holmgren, Executive Director, SIWI

14:05 Keynote speech

H.E **Amina J. Mohammed**, Deputy Secretary-General, UN

14:15 Keynote speech

Dr **Danilo Türk**, Global High Level Panel on Water and Peace/ Former President of Slovenia

14:25 Panel

H.E Dr **Hassan Janabi**, Minister of Water Resources, Republic of Iraq

Fahimullah Ziaee, Former Deputy Minister for Irrigation, Ministry of Agriculture, Irrigation and Livestock, the Islamic Republic of Afghanistan (tbc)
H.E Abdiaziz Hassan Mohamed, Minister for Water and Natural Resources, Federal Republic of Somalia

Annika Söder, State Secretary, Ministry for Foreign Affairs, Sweden (tbc)

Henk WJ Ovink, Special Envoy for International Water Affairs, Kingdom of The Netherlands

Pio Wennubst, Vice Director of SDC, Federal Department of Foreign Affairs

15:10 Reflections and putting water diplomacy into action

Jan Eliasson, SIPR
Prof **Peter Wallensteen**, Uppsala University

15:30 End of session

Monday | 27 August | 14:00–15:30

Field trip to Ericsson studio: Information and communication technology (14:00–17:30)

Departure:
Entrance FH

Convenor: Ericsson

The Field visit to the Ericsson Studio will show the visitors the latest information and communication technology (ICT) as well as share how Machine learning and Artificial intelligence can be used to support better water management. After a short welcome the visitors will then be divided into groups on a tour in the Ericsson studio where they will see and at some stations test ICT applications. After an energy break there will be three shorter sessions, starting with Ericsson Connected Environmental Monitoring solution. Then continuing with examples of collaborative innovative projects, such as iWater led by the City of Stockholm, Ericsson Weather Data presented by SMHI and SVOA (Stockholm Water).

Field visit

14:00	Buses leave from conference center	16:00	Connected Environmental Monitoring @Ericsson Ruchi Verma, Ericsson	16:50	Questions and summary Mats Pellbäck Scharp, Ericsson, and Matilda Gennvi Gustafsson, Ericsson
15:00	Welcome to Ericsson Studio Moderator: Matilda Gennvi Gustafsson , Ericsson Mats Pellbäck Scharp , Ericsson	16:10	iWater project in Digital Demo Stockholm Gunnar Söderholm, City of Stockholm	17:00	Buses leave from Ericsson Studio to conference center
15:05	Guided tour in Ericsson Studio <i>Business Builder Consultants, i.e. experienced tech guides, from Ericsson Studio will lead different groups</i>	16:30	Ericsson Weather Data: NowCasting Rainfall Van de Beek Remco, SMHI and Mattias Jacobsson, SVOA	17:30	Buses back at conference center
15:50	Energy break				Please collect your tickets for the field visit at secretariat (available from one day before)

Making best use of WASH Finance: A conversation with IFIs



Room: FH
Little Theatre

Convenor: SWA

This session will examine the contributions IFIs make in accelerating progress on the WASH SDG targets, and how the multi-stakeholder SWA partnership can facilitate efforts to optimize and harmonize financing and funding inputs from IFIs and other SWA partners, ensuring better targeting, increased absorption and best use of resources.

Showcase

14:00	Welcome Hon Kevin Rudd , SWA	14:20	“Fishbowl” panel discussion Moderator: Hon Kevin Rudd , SWA Panelists: Wambui Gichuri , AfDB Sergio Campos , IDB Martine Vullierme , Veolia Sareen Malik , ANEW World Bank representative, National government in Africa, Asia/Latin America representative,	15:25	Closing remarks Catarina de Albuquerque , SWA
14:05	Setting the scene: The role of international finance institutions in accelerating progress on the SDGs, including increasing financial flows and allowing more effective finance – how can a global partnership help optimize and harmonize? Catarina de Albuquerque , SWA	15:30	End of session		
		15:00	Q&A, Discussion with audience Moderator: Hon Kevin Rudd , SWA		

Microplastics in freshwater environments



Room: FH 307

Convenors: Sida and UNESCO-IHP

Microplastics in freshwater environments represent a growing concern. The presence of microplastics in freshwater systems have been reported in different parts of the world—even in remote areas. Yet, scientific knowledge about their presence and health and environmental effects is limited. The event presents the state of knowledge, research and policies on microplastics in freshwater. Results of the UNESCO-IHP International Initiative on Water Quality (IIWQ) assessment on microplastics in freshwater and wastewater in 16 countries around the world will be presented.

Event

14:00	Opening remarks Dr Blanca Jimenez-Cisneros , UNESCO-IHP and Dr Erin Zinc , Sida (tbc)	Germany: From sampling to analytics and effects Dr Friederike Stock , Georg Reifferscheid, Nicole Brennholt, Federal Institute of Hydrology, Germany	Prof Maria Antonia N. Tanchuling , University of the Philippines Diliman
14:05	Keynote: Microplastics in freshwater environments around the world: A preliminary assessment by UNESCO-IHP International Initiative on Water Quality Dr Sarantuyaa Zandaryaa , UNESCO-IHP	<ul style="list-style-type: none"> • Microplastics in Lake Kallavesi in Finland: Analysis of size distribution and sources Dr Arto Koistinen, University of Eastern Finland • Microplastics in Thames River and its tributaries: Presence and sources in sediments and fish Alice Horton, Centre for Ecology & Hydrology, UK • Microplastic pollution in Rivers in Metro Manila, The Philippines 	<ul style="list-style-type: none"> • The removal of microplastics in wastewater treatment plants Dr Gabriela Kalčíkova, University of Ljubljana • Microplastics in freshwater: The ‘Source-to-Sea’ perspective Birgitta Liss Lymer, SIWI
14:25	The state-of-the-art scientific research and knowledge on microplastics in freshwater <ul style="list-style-type: none"> • (Micro)plastics in freshwater in 	14:45 Panel discussion with experts, followed by interactive Q&A with participants	15:25 Summary and key messages
		15:30 End of session	

Presenting the global baseline situation for SDG 6



Room: NL Pillar Hall

Convenor: UN-Water

This event will present the results of the integrated process of establishing a global baseline for SDG6, including data on all 11 SDG6 global indicators. Participants will have an opportunity to discuss these results with custodian agencies and country representatives, as well as the lessons from the baseline process.

Event

14:00	Welcome and introduction Dr Canisius Kanangire , AMCOW and Integrated Monitoring Initiative Strategic Advisory Group	14:20 Indicator Market Stalls – Round 1 <i>Market stall discussions around the results for the 2017 baseline process for each SDG 6 indicator</i> stall convenors: UNEP, UNECE, UN-Habitat, UNICEF, FAO, UNESCO, and WHO
14:05	Introduction Integrated Monitoring Initiative and 2017 integrated baseline process Will Reidhead, UN-Water	14:55 Indicator Market Stalls – Round 2
		15:25 Concluding comments María de la Concepción García Gómez , Directorate General for Water, Spain
		15:30 End of session

Monday | 27 August | 14:00–15:30

Rural migration and water scarcity



Room: FH 202

Convenors: CIRAD, FAO, GWP, IFAD, IWMI and WRI

The threat to food security and vulnerability resulting from water scarcity in certain parts of the world, often results in migration. This session seeks to propose water related interventions that can contribute to reducing the tide of migration that takes place at several scales, from within countries to international levels.

Event

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|-------|---|-------|-----------------------|
| 14:00 | Welcome, objectives and expected outcomes | 15:05 | Q&A |
| 14:15 | Introduction to WASAG: WASAG work on migration – priorities and actions
Ruhiza Boroto , WASAG Secretary | 15:25 | Wrap up |
| 14:25 | Panel discussion facilitated
Country representatives (tbc)
FAO representative
IOM representative
IWMI representative
UNHCR/NGO representative (tbc) | 15:30 | End of session |

Sand mining's concrete threat to rivers: Impacts and potential solutions

Room: NL 461

Convenors: SEI and WWF

The world has been slow to recognize the potential and cumulative impact of unsustainable and illegal sand mining on rivers. With demand soaring, it is critical to highlight the threats and advance solutions to ensure that countries promote sustainable sand mining for the benefit of people, economies and ecosystems.

Event

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|-------|---|-------|--|
| 14:00 | Introduction
Pavan Sukhdev , President, WWF International | 14:30 | Panel discussion: Threats, risks and paths to sustainable sand mining |
| 14:05 | Global impact of sand mining on world's rivers
Marc Goichot , WWF Greater Mekong | 15:10 | Q&A |
| 14:20 | At the sand mining edge: The Mekong
Thanapon Piman , SEI | 15:25 | Wrap up and next steps |
| | | 15:30 | End of session |

Securing water tenure: Legal protections for indigenous and local communities



Room: NL 353

Convenors: ELI and Rights and Resources Initiative

Indigenous Peoples and local communities around the world lack clear and secure legal protection for their water rights. This Showcase will highlight the findings of a global study that assesses community-based water tenure rights in 15 countries and analyzes the strength and resilience of those legal entitlements.

Showcase

14:00 **Welcome and introduction**
Stephanie Keene, Rights and Resources Initiative

14:10 **Community water tenure: Methodology, findings, and implications**
Jessica Troell, ELI and **Stephanie Keene**, Rights and Resources Initiative

14:35 **Q&A**

14:40 **Ignite talks by panelists: Reflections on and implications of findings at global and regional levels**
Anton Earle, SIWI
Kate Horner, International Rivers
Nighisty Ghezze, International Foundation for Science

15:05 **Q&A; live voting**

15:30 **End of session**

Exhibition Hall

Water utilities' leadership in nature-based solutions for SDG 6 (14:00–14:30)

Convenors: IWA and TNC

Achieving water security is fundamental to sustainable economic and human development; and managing natural infrastructure for water security can support the delivery of many – if not all – of the UN Sustainable Development Goals.

Upstream watershed protection is recognized as a cost-effective and efficient approach to increasing the security and resilience of urban water supplies. But investment in natural infrastructure has yet to be widely adopted as a mainstream solution by water utilities and the municipalities they serve, both of which have a critical role to play in the provision of secure and sustainable water to urban populations.

A recent partnership between the International Water Association (IWA) and The Nature Conservancy (TNC) aims to leverage the two organisations' strengths to influence greater investments in natural infrastructure.

During the sofa, representatives from the organisations will discuss:

- Connecting water utilities and cities with their basins to influence catchment management.
- Developing guidance for water and sanitation services to integrate nature-based solutions into their operations.
- Building the capacity of practitioners to use nature-based solutions in water management.
- Supporting regulators to incorporate nature-based solutions for improved water security and safety.

Sofa

Monday | 27 August | 14:00–15:30

Water, biodiversity and development: A magic formula for the SDGs



Room: NL 357

Convenors: ADB, AFD, DFID, GEF, GRP, IUCN, KfW Development Bank, Sida, SDC and UNEP

The breadth of the sustainable development goals demands that collaboration for water, ecosystems and development objectives improves radically. Ensuring this happens will require a paradigm shift in how IWRM performs. Can conservation be better articulated – by the water and biodiversity communities-of-practice alike – as a key development issue? To fully participate in this session, please download the sli.do app beforehand

Event

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|-------|---|-------|---|-------|---|
| 14:00 | Welcome and brief opening remarks, including format of the session and audience engagement
James Dalton , IUCN | 14:30 | Panel #1 Discussion on results from audience
Moderator: James Dalton , IUCN
Ana Gren , Sida
Claude Gascon , GEF
Nathaniel Matthews , GRP
Eileen Hofstetter , SDC | 15:05 | Panel #2 Discussion on results from audience
Moderator: Mark Smith , Deputy Director General, IWMI
Céline Robert , AFD
Joerg Dux , KfW Development Bank
Jean-Paul Penrose , DFID
Thomas Panella , ADB
Elisabeth Bernhardt , UNEP |
| 14:05 | Key Note: Why conservation is a development issue - and vice versa
Mark Smith , Deputy Director General, IWMI | 14:50 | Presentation of panellist survey results #2 with audience live voting
Mark Smith , Deputy Director General, IWMI | 15:25 | Summary and next steps
Maria Carreno Lindelien , IUCN |
| 14:15 | Presentation of panellist survey results #1 with audience live voting
James Dalton , IUCN | | | 15:30 | End of session |

WaterGuide: A new framework for managing water scarcity

Room: FH Cabaret

Convenors: Aither Pty Ltd, ARCOWA and AWP

WaterGuide is an organising framework for improved water management and use in response to scarcity. It is intended to be used primarily by national or local governments in countries where water scarcity is a present or future threat to human health and wellbeing, economic development and/or environmental sustainability.

Showcase

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|-------|--|-------|---|
| 14:00 | Welcome
Ger Bergkamp , ARCOWA | 14:55 | Panel 2: International perspectives on the water scarcity challenge
Moderator: Will Fargher , Aither |
| 14:05 | Introduction to WaterGuide
Will Fargher , Aither | 15:25 | Conclusions and next steps
Will Fargher , Aither |
| 14:20 | Panel 1: Country-level reflections on the water scarcity challenge
Moderator: Ger Bergkamp , ARCOWA | 15:30 | End of session |

Exhibition Hall

Pathways to increasing farmer-led investments in sustainable agricultural water management (15:00–15:30)

Convenors: AMCOW, Daugherty Water for Food Institute and IWMI

We will discuss the major challenges to increasing agricultural production in Africa: climate change, soil conditions, infrastructure, lack of access to resources (including financial) and civil conflict. Irrigation could increase agricultural yields as much as tenfold, yet commercial pivot operations are costly and resource intensive. Our discussion will focus on case studies and research on innovative approaches to irrigation that could benefit smallholders in a variety of contexts. Solutions need to be specific to the local area contexts, yet offer scalability to benefit more people in broader geographic regions.

Scaling-up the pace of African irrigation development, and helping farmers increase their productivity and profits, requires new thinking about the means to do this. Farmers need to have greater access to information, such as how to use water more productively, as well as input and output markets.

Sofa

Addressing challenges to unlock financing of nature-based solutions for water (16:00–17:30)



Room: FH
Little Theatre

Convenors: HELVETAS, IUCN, SADC, South Pole Group, SWP and WWF

Current investment trends show growing public and private investments in Nature-based Solutions for Water. However there are still challenges ahead that refrain a massive scaling-up. The event will explore innovative solutions to unlock the investments taking into account different perspectives from the public sector, the society and the private sector.

Expect a dynamic, interactive panel discussion with examples from Peru and Kenya. Learn more on how cross sectoral partnerships contribute to scaling up investments in nature based solutions for water in Peru and how shared water challenges in the Naivasha basin (Kenya) can be overcome through a collective approach using innovative finance along supply chains.

Event

**No programme was submitted before publication.
For more recent updates please visit:
<http://programme.worldwaterweek.org>**

Monday | 27 August | 16:00–17:30

Blue and green spaces: The heart of sustainable urban development

Room: FH 300

Convenors: Earthwatch, HSBC and WWT

In a changing climate, urban blue-green environments maintain the natural water cycle and provide vital ecosystem benefits at a time when they are most threatened. Join our discussion on new collaborative approaches and insights into the impacts of urbanisation on human health, ecosystem services and the finance sector.

Event

16:00 **Introduction**

Martin Spray, WWT

16:15 **Carousel of speakers from the HSBC Water Programme**

- Exploring the importance of recognising megatrends, such as climate change and urbanisation, as a foundation to conducting sustainable business, as seen through experiential learning in the HSBC Sustainability Training Programme

Sue Alexander, HSBC

- Demonstrating cutting edge research techniques, used by citizen-science, into the ecosystem services provided by nature-based solutions, investigating how urban green spaces can help mitigate climate change impacts

Dr **Steven Loiselle**, Earthwatch

- Showcasing innovative techniques to explore and demonstrate the linked benefits to human health and biodiversity of proactively building water and wetlands into our ever-urbanising landscape

Dr **Rob Shore**, WWT and Dr **Jonathan Reeves**, WWT

17:15 **Wrap up and Q&A**

Martin Spray, WWT

17:30 **End of session**

Freshwater conservation – WASH integration: High-level and local-level challenges and opportunities



Room: NL 461

Convenors: CI, HELVETAS, IRC, MWA, TNC, Water For People, Wetlands International and WWF

This session will present new findings and best practices from innovative multi-sectoral projects that link human health, development and freshwater ecosystem conservation at the community and/or district levels to further the Sustainable Development Goals at all scales.

Event

16:00 **Welcome, introduction and audience quiz**

Aparna Sridhar, TNC

16:55 **Interactive audience discussion**

17:25 **Wrap up**

16:10 **Panel discussion**

Colleen Sorto, CI

Kate Alinafe Harawa, Water For People

Sophie Nguyen Koha, HELVETAS

Samwel Jakinda, NIA Watershed Program

Maria Amalia Porta, WWF

Doris Kaberia, MWA

17:30 **End of session**

Monday | 27 August | 16:00–17:30

Groundwater dependent ecosystems: Key to human development and biodiversity

Room: NL 357

Convenor: BGR

Wetlands, rivers and lakes – many water bodies and their ecosystems all over the world depend on the inflow of groundwater. Thus, the quality and quantity of groundwater have a high relevance for the preservation of biodiversity and ecosystem services. This becomes even more crucial during drought times, when groundwater-related

Event

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|-------|---|-------|------------------------|
| 16:00 | Opening statement and overview of the event | 16:40 | Q&A |
| 16:05 | Groundwater-dependent ecosystems
Sara Vassolo , BGR | 17:25 | Closing remarks |
| 16:20 | Lake Chad
Amino Magaji Bala , Lake Chad Basin Commission | 17:30 | End of session |
| 16:30 | Azrak Basin
Ali Subah , Ministry of Water and Irrigation, Jordan | | |

How water utilities respond in crisis and conflict



Room: FH 202

Convenors: CMI, ICRC, World Bank and UNICEF

This session focuses on water utilities in crisis, conflict and/or conflict responds to people basic needs. It builds on a new partnership between humanitarian/development actors (UNICEF and ICRC) and development actor(s) (World Bank) and will inform how water utilities can better prepare and be effective in situations of crisis.

Event

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| 16:00 | Introduction by chair
Anders Jagerskog , World Bank | 16:30 | Moderated World Cafe discussion on water utilities in crisis with participants in the event |
| 16:05 | Presentation
Omar El Hattab , UNICEF | 17:20 | Reporting back from working groups |
| 16:10 | Presentation
Michael Talhami , ICRC | 17:30 | End of session |
| 16:15 | Presentation
Blanca Moreno-Dodson , CMI | | |
| 16:20 | Presentation
Arab Water Utilities Association (tbc) | | |

Monday | 27 August | 16:00–17:30

Hype or groundbreaking: Has securing water for food delivered?



Room: NL
Pillar Hall

Convenors: Department of Science and Technology, South Africa, Ministry of Foreign Affairs, The Netherlands, Sida and USAID

The premise behind the Securing Water for Food Grand Challenge (SWFF) was that it could help get needed water solutions into the hands of farmers faster. Are we achieving this goal? Please join us for an interactive discussion on SWFF's lessons learned from a program and innovator perspective, and for the announcement of a new phase of the program, Water and Energy for Food (WE4F).

Showcase

16:00	Welcome Johan Kuylenstierna , Stockholm University and Swedish Climate Policy Council	16:38	Q&A	17:08	Q&A
		16:38	Innovator videos	17:18	Panel summary Johan Kuylenstierna , Stockholm University and Swedish Climate Policy Council
		16:38	<i>Session 2: Lessons learned from SWFF innovators and end-users</i>	17:23	Water and Energy for Food (WE4F) announcement Carin Jämtin , Director-General, Sida (tbc)
		16:40	Innovator panel Zachery Gray , Adaptive Symbiotic Technologies Fauzia Hirome , Green Heat Lan Anh Le , MimosaTEK Nompendulo Mgwali , Meat Naturally Aisha Nalwoga , Water Governance Institute	17:28	Closing remarks Johan Kuylenstierna , Stockholm University and Swedish Climate Policy Council
				17:30	End of session

Session 1: Lessons learned from SWFF program experts

16:10 **SWFF program panel**
Ku McMahan, USAID
Jatin Yadav, SWFF Service Provider, Independent Consultant

Mastering disaster in the anthropocene: Reconciling DRR and climate frameworks



Room: FH 307

Convenors: AGWA, BMZ, Deltares, GIZ, High-level Experts and Leaders Panel on Water and Disasters, Ministry of Infrastructure and the Environment of the Netherlands, Office of the UNSG's Special Envoy for Disaster Risk Reduction and Water, SIWI, World Bank, UNISDR and WWC

Disaster risk reduction and recovery efforts are profoundly influenced by climate change, but the DRR and climate policy and action communities remain divided and distinct. Can water serve as a mechanism to find common ground and effective action to confront new threats and reduce long-term risks?

Event

16:00	Welcome Benedito Braga , President, WWC	16:30	"Ignite" interactive moderated panel discussion Moderator: Kathleen Dominique , OECD	17:25	Wrap up and closing remarks Robert Kranefeld , G12
				17:30	End of session
16:05	Opening remarks Franz Marré , BMZ Paula Kehoe , San Francisco Public Utilities Commission		Panelists: Diego Rodriguez , World Bank Jonathan Cook , USAID Kenzo Hiroki , UN High Level Experts and Leaders Panel on Water and Disasters (HELP) Alastair Morrison , Green Climate Fund Paul Fleming , Microsoft		

Monday | 27 August | 16:00–17:30

Sex for water: A women's right violation



Room: FH Cabaret

Convenors: ANEW and UNDP-SIWI WGF

This event aims to highlight Sex for water—‘Sextortion’—as a form of corruption that needs to be recognised at the highest level and tackled accordingly. The event will share conclusions from the WGF-SIWI report “Women and corruption in the water sector” complemented with testimonials, and a high-level political panel.

Event

16:00	Welcome and introduction: Sex for Water Pilar Avello, SIWI	16:40	Panel discussion: Challenges and next steps in tackling Sextortion in the Water Sector Kelly Ann Naylor, UNICEF Cecilia Scharp, Sida Marianne Kjellen, UNDP Sareen Malik, KewasNet	17:30	End of session
16:05	Women voices from the field	17:05	Q&A		
16:15	Women and corruption in the water sector: Theories and experiences from Johannesburg and Bogotá Dr Jenny Grönwall, SIWI	17:25	Closing words		

Tackling antimicrobial resistance through safe, clean water and environmental health

Room: NL Music Hall

Convenors: Nordea, SIANI, Sida, SWH and SLU

Antimicrobial pollutants, in water and in the environment, trigger the development and spread of antimicrobial resistance (AMR). Due to insufficient treatment, pollutants and resistant bacteria can be present in effluents and drinking water. Clean water, sustainable sanitation and environmental health should therefore play central roles in the fight against AMR.

Event

16:00	Welcome and opening remarks Sarah Dickin, SEI	16: 25	Breakout sessions: <ul style="list-style-type: none"> • The role of WASH for preventing or limiting AMR Björn Vinnerås, SLU and Annika Nordin, SLU • The environment as a vehicle and incubator for AMR and the interplay of various pollutants Dr Marc Sprenger, WHO • Funding and incentive structures to strengthen mitigation measures Damiano de Felice, Access to Medicine Foundation • Global governance of AMR Dr Steven J. Hoffman, Global Strategy Lab 	17:10	Panel discussion: Presentation and discussion of results from the working groups, with the keynote speaker and moderator
16:03	Keynote Prof Carl-Fredrik Flach, University of Gothenburg			17:30	End of session
16:15	Introduction to the breakout session by the facilitating experts				

Water and security: Assessing risks and mitigation options in hotspots



Room: NL Auditorium

Convenors: adelphi, Deltares, German Federal Foreign Office, GIZ, Government of the Netherlands, IHE Delft, Oregon State University, Pacific Institute, SIWI, World Bank, UNECE, WANA Institute, Wetlands International and WRI

This event will explore the relationship between water and instability and recommend ways to strengthen water security by strengthening cooperation in transboundary and intra-national hotspots. An initial version of an early warning and rapid response system will be presented. The audience will be invited to discuss mitigation solutions in hotspots.

Event

Moderator: **Henk Ovink**, Dutch Water Envoy

16:00 **Welcome remarks**

Karin Roelofs, Ministry of Foreign Affairs, The Netherlands

16:05 **Keynote I: Water-insecurity pathways and how to identify them**

Liz Saccoccia, WRI and **Karen Meijer**, Deltares

16:15 **Keynote II: Addressing water insecurity: options for integrated engagement in hotspots**

Susanne Schmeier, IHE Delft and **Benjamin Pohl**, adelphi

16:25 **Round table discussions on the following cases:**

- Mali
Moderated by **Karounga Keita**, Wetlands International
- Jordan Valley
Moderated by **Sawsan Batarseh**, WANA Institute
- Central Asia
Moderated by **Iskander Abdullaev**, CAREC (tbc)
- Lake Chad
Moderated by **Julia Dreher**, German Foreign Office (tbc)
- Karachi
Moderator (tbc)

17:00 **Panel discussion on the role of the 3D audience in water and security**

William Rex, World Bank
NATO Science for Peace and Security Programme (tbc)
German Foreign Office (tbc)
Joseph Bartel, Undersecretary Ministry of Environment and Forestry, South Sudan (tbc)

17:25 **Summary and wrap-up by moderator**

17:30 **End of session**

Exhibition Hall

Water diplomacy: A tool for the future? (16:00–16:30)

Convenor: SIWI

Sofa

Water Diplomacy is increasingly seen as a means to facilitate dialogue and cooperation between countries and communities at different levels who share water freshwater resources. Water is essential for the realization of most of the SDGs and is therefore high on the international political agenda. There are 310 transboundary river basins worldwide, home to 40 % of the global population. Establishing effective cooperation on the worlds' shared basins is vital for securing a peaceful, sustainable and equitable future.

Experts from the High-Level Panel on Water Diplomacy are invited to the Sofa to share their expertise and

experiences on how water diplomacy can contribute to conflict prevention. They will answer questions concerning shared water resources as an entry point for dialogue among stakeholders, enhancing cooperation to improve transboundary water governance and create mutual benefits among states with a history of political tensions. They will also offer advice to the wider water community on how Water Diplomacy can be used as a trust building and conflict mitigation tool in support of broader regional cooperation and development

Monday | 27 August | 16:00–17:30

Water Leaders: Empowering stakeholders with an open-source curriculum and game



Room: NL 353

Convenor: TNC

Effective water leadership needs strong local stakeholders to engage in constructive dialogue toward broad sustainable water resource solutions. We will showcase a new civil society curriculum designed to train leaders in guiding participatory water resource decisions, discuss water sector leadership needs, and apply skills through a companion board game.

Showcase

- | | | | |
|-------|--|-------|--|
| 16:00 | Welcome by moderator | 16:40 | Play & Learn: Water for Tomorrow board game |
| 16:05 | Overview: Water for tomorrow – An open source curriculum and game
George Schuler, TNC | 17:25 | Summary and wrap-up by moderator |
| 16:15 | Panel discussion on the importance of civil society leadership in the water sector | 17:30 | End of session |
| 16:30 | Full group discussion
Eleanor Allen, Water for people
Sara Ahrari, Simavi
Tyler Farrow, Water witness international
Cathy Gibson, TNC | | |

Water Safety Café: From national frameworks to results at household-level

Room: NL 253

Convenors: UNICEF and WHO

Water safety is a priority under SDG target 6.1. Building on the WHO “water safety frameworks”, UNICEF developed the “six pillars of water safety programming”. Participants will try this practical tool designed to guide countries and partners on prioritizing actions and accelerate results at national, sub-national, service and community level.

Showcase

**No programme was submitted before publication.
For more recent updates please visit:
<http://programme.worldwaterweek.org>**

Exhibition Hall

Accountability in scaling market based sanitation financing (17:00–17:30)

Convenors: ACTIAM, Amref Flying Doctors, Amref Health Africa, Aqua for All, Government of Kenya, Imarika SACCO, Sidian Bank and WASTE

Demand generation coupled with supply side development and financial linkages are the main interventions in this model. By application of various financial inclusion instruments such as financial literacy, micro savings and microcredit, customers at the bottom of the pyramid are empowered to attain improved sanitation.

The Kenya Ministry of Health and Amref Health Africa create demand for improved sanitation facilities through sanitation marketing. WASTE complements these efforts through supply side development focusing on building capacities of masons and local entrepreneurs to develop viable businesses both in sanitation service and value chains.

Innovations and continuous quality improvements throughout the implementation process aim to reduce costs of sanitation and to set the stage for the safe reuse of nutrients present in human waste. Financial partners fill a critical gap by providing financial solutions to various players hence closing the market loop. Through this collective action a self-propelled market emerges. Each player is accountable to deliver specific interventions and has relevant incentives to do so. Having tested, proven and demonstrated successes of this model initially in India and more recently in Kenya, FINISH envisages to scale and replicate to 4 additional countries under the name “FINISH Mondial”.

Sofa

Welcome Cocktail Reception

Stockholm City Hall

18:30–20:00

The President of the Stockholm City Council, Ms Eva-Louise Erlandsson Slorach, is pleased to hold a Welcome Cocktail Reception at the Stockholm City Hall for all World Water Week participants.

Take the opportunity to mingle with your colleagues in Stockholm’s beautiful City Hall, with its imposing facades and interior in National Romantic style. The event is hosted by the City of Stockholm.

Dress code: Business casual

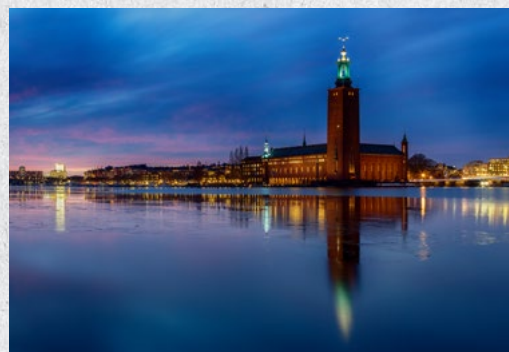


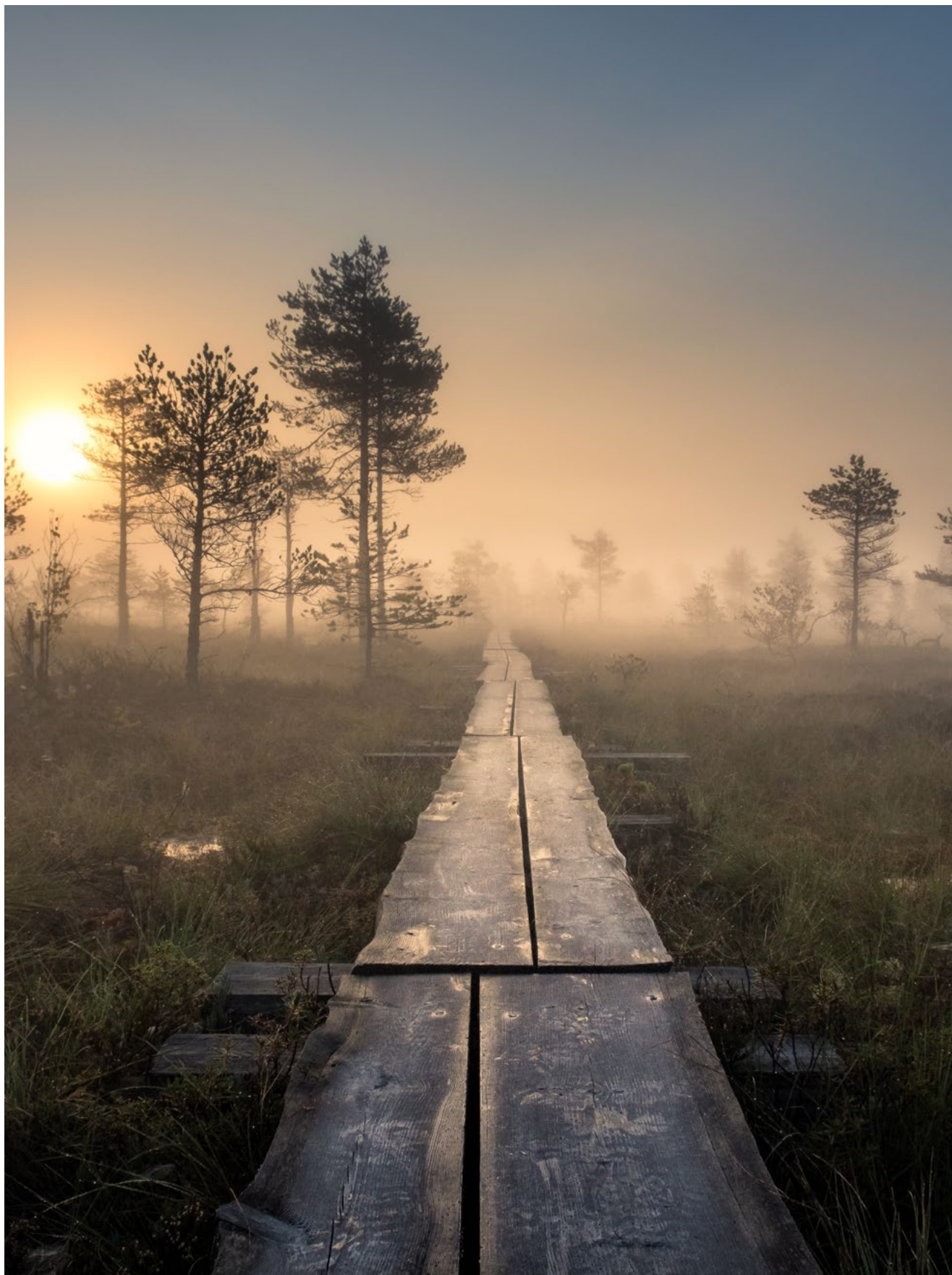
Photo: iStock

*The event requires online pre-registration. Tickets to be collected upon arrival at conference venue.
Please note: Limited maximum capacity – first come, first serve.*

Tuesday | 28 August



Coffee 10:30–11:00
15:30–16:00
Lunch 12:30–14:00



AFRICA FOCUS | Groundwater governance and institutional management

Room: NL Auditorium

Convenors: AUC and AMCOW

Effective groundwater and institutional management systems are necessary for improving Africa's groundwater resources. The session will identify some of the challenges of effective groundwater management in Africa and showcase some best practices within the continent.

Event

- | | | | |
|-------|--|-------|---|
| 09:00 | Opening remarks
H.E Isack Kamwelwe , President, AMCOW | 10:00 | Discussions |
| 09:10 | Status of groundwater governance in Africa
Shafick Adams , WRC | 10:20 | Closing remarks by AMCOW President |
| 09:35 | Which governance mechanism does Africa need for effective development of its groundwater?
Dr Callist Tindimugaya , Commissioner, Directorate of Water Resources, Uganda | 10:30 | End of session |

Beyond the finish line, from coverage to sustainable sanitation services



Room: NL Music Hall

Convenors: DFAT, DFID, Emory University, SNV, University of Nevada Reno, University of Technology Sydney and USAID

Increasing rural sanitation coverage is an imperative, but we must look beyond the “Finish Line”. What are the human and environmental implications of rural sanitation coverage at scale? How do we sustain access and, ensure ecosystem health and water resources carrying capacity? What more must be done to drive sustainability?

Event

- | | | | |
|-------|--|-------|---|
| 09:00 | Welcome | 10:05 | The emerging rural sanitation agenda beyond the finish line (debate)
Stephen Kiberiti , Ministry of Health, Community Development, Gender, Elderly and Children, Tanzania
Dr Guy Howard , DFID
Gerard Cheong , DFAT
Rishi Agarwal , FSG
Anne Mutta , SNV |
| 09:05 | Situating “sustainability” of rural sanitation and hygiene in the changing rural context
Dr Guy Howard , DFID | 10:25 | Digital closing words |
| 09:20 | Patterns of progress in rural sanitation and hygiene
Dr Josh Garn , University of Nevada Reno | 10:30 | End of session |
| 09:35 | Country case tables
<ul style="list-style-type: none"> • Cambodia: Market-based sanitation and a persistent last mile
Rishi Agarwal, FSG and Gabrielle Halcrow, SNV • Indonesia: Strategies towards safely managed sanitation
Gerard Cheong, DFAT and Freya Mills, Institute for Sustainable Futures UTS and Government representative (tbc) • Kenya: Sanitation as a devolved function
Kenya district government official (tbc) and Fanuel Nyaboro, SNV • Tanzania: Quality of services
Stephen Kiberiti, Ministry of Health, Community Development, Gender, Elderly and Children, Tanzania and Jackson Wandera, SNV | | |

Changing minds on drought management: The economic case



Room: FH 202

Convenors: GWP, World Bank, WMO and WMO/GWP Integrated Drought Management Programme

Over 30 organizations attempt to answer the question why the shift from crisis to risk management is happening so slowly in drought management and how to change this through smart economic and policy strategies. A rich set of experiences to provide answers and seek new insights will be showcased.

Event

<p>09:00 Setting the stage: Findings from the IDMP work stream on the benefits of actions and costs of inaction and main challenges for proactive drought risk management Frederik Pischke, GWP and World Bank representative</p>	<p>09:30 Interactive discussion <i>Message 1: Assessment of the benefits of action and the impacts to be avoided needs to be prepared proactively, so that it can be used to propose solutions when a window of opportunity opens</i></p>	<p>10:05 A step wise approach and the economic case to drought planning in Central and Eastern Europe Sabina Bokal, GWP</p>
<p>09:10 Responding to the challenges: Introducing the integrated drought management help desk Robert Stefanski, WMO</p>	<p>09:45 Agricultural water management for drought risk management in Honduras Fabiola Táborá, GWP</p>	<p>10:10 Interactive discussion on message 3 <i>Message 3: Phased and integrated strategies and methodologies for drought risk management can be used to help organizing the necessary assessments of the costs and the benefits that each step entails</i></p>
<p>09:20 Session objectives and structure</p>	<p>09:50 Interactive discussion on message 2 <i>Message 2: Strengthening the evidence base, showing examples and raising awareness on social and economic co-benefits of Drought Risk Management can be decisive to promote Drought Risk Management interventions</i></p>	<p>10:20 Discussion feedback on next steps and on ways to expand the evidence base</p>
<p>09:25 Drought policy change: The Mexican case Mario López Pérez, Mexican Water Technology Institute</p>		<p>10:30 End of session</p>

Creating peace through the water-energy-food and security nexus perspective



Room: NL Pillar Hall

Convenors: adelphi, GEF, German Federal Foreign Office and GIZ

This event discusses how the Water-Energy-Food and Security Nexus perspective can reduce competition over water, land, and energy resources. Specifically, it examines what generates conflict over resources on a local level and how the Nexus perspective helps to reconcile the interests of farmers, fishers, pastoralists, and dam operators.

Event

<p>09:00 Welcome remarks: Water management as a challenge for diplomacy Rolf Welberts, Special Envoy for the Nile, Federal Foreign Office, Germany</p>	<p>09:20 Roundtable Discussions</p> <ul style="list-style-type: none"> • Roundtable I: Water resources and food insecurity – what are typical pathways of fueling and mitigating or overcoming conflict? Julia Dreher, Federal Foreign Office, Germany • Roundtable II: Water resources and energy insecurity – what are typical pathways of fueling and mitigating or overcoming conflict? Astrid Hillers, GEF • Roundtable III: Water resources and ecosystem services – what are typical pathways of fueling and mitigating or overcoming conflict? Eben Chonguica, OKACOM 	<ul style="list-style-type: none"> • Roundtable IV: Water resources and water scarcity – what are typical pathways of fueling and mitigating or overcoming conflict?
<p>09:05 Keynote I: Water resources challenges as a global security challenge – Perspectives from the security community Martina Klimes, SIWI</p>		<p>10:10 Reporting back and reflections: The way ahead – Overcoming security challenges through managing water, energy and food security in an integrated manner Benjamin Pohl, adelphi and Susanne Schmeier, IHE Delft</p>
<p>09:10 Keynote II: Water resources management as a response to global security challenges Charles Iceland, WRI</p>		<p>10:25 Closing remarks Astrid Hillers, GEF</p>
		<p>10:30 End of session</p>

Health and well-being through effective blue-green space design and governance



Room: FH Little Theatre

Convenors: Deltares, Dutch National Institute for Public Health and the Environment, EC, SNV and University of Exeter

An interactive and dynamic session on the latest findings of several Horizon 2020 related to human health and the blue-green and coastal environment. Approaches and lessons learned from these projects will be presented. Policymakers (panel) and session participants are invited to discuss potential synergies and applicability in their own experience.

Event

Part I Presentation of work

09:00 **Opening by facilitator**
Lieke Friederichs, RIVM

09:05 Presentations

- Bluehealth/Inherit/SOPHIE synergies (BlueHealth)
Jo Garrett, University of Exeter
- Blue and Green Health through Virtual Reality (BlueHealth)
Mare Löhmus, Karolinska Institutet
- Innovative health solutions for coastal areas (S.O.P.H.I.E.)
Eline Boelee, Deltares

- Water quality check for innovative and sustainable water features
Lucie Vermeulen, RIVM
- Interventions and blue-green infrastructure (INHERIT)
Hanneke Kruize, RIVM
- Policy scenarios for a healthy environments (Bluehealth, Sustainable Development Goals 2030)
Lieke Friederichs, RIVM

Part II Policy panel and mentimeter propositions

09:50 **Policy panel**
Ann Uustalu, EC
Daniel Truneh, SNV

10:30 **End of session**

Integrating 'grey and green' for water security in South Africa



Room: FH Cabaret

Convenors: Department of Science and Technology, South Africa, South African Department of Environmental Affairs, South African National Biodiversity Institute and WRC

Large scale ecosystem restoration & maintenance is vital for water security. In order to share lessons relevant for global practice, we will reflect on South Africa's learning relating to environmental public employment programmes, communities of practice, and resourcing mechanisms for water-linked ecosystem restoration.

Showcase

09:00 **Welcome and orientation**
Shanna Nienaber, WRC/
Department of Science and Technology

Pitching session to introduce learning relating to long-term roll out of environmental public works employment programmes, resourcing mechanisms and positioning of 'grey and green' solutions as a holistic water security approach

Presenters will share views from the multi-organisational landscape that is part of addressing grey-green water management in South Africa, including:

- WRC and Department of Science and Technology
- South African National Biodiversity Institute and Department of Environmental Affairs
- Department of Water Affairs
- Science organisations

09:45 **World Café**

The purpose of this activity is to distill lessons relevant for global learning and practice. World Cafe conversations will be facilitated unpacking learning related to:

- Resourcing of water-related ecosystem activities
- Mechanisms for facilitating knowledge transfer and action in relation to water and ecosystem decision-making
- Understanding models of how to approach large scale ecosystem restoration activities

10:30 **End of session**

Is there such thing as innovative financing for ecosystems management?



Room: FH 300

Convenors: AfDB, IDB, SIWI and TNC

This session will focus on the enabling conditions for investments in ecosystems management, including regulatory, legal and voluntary mechanisms. After an initial discussion on the current financing landscape, examples from around the world will be presented and discussed through a moderated panel, including an open discussion with the participants.

Seminar

Session 1 of 3: Enabling conditions for implementing ecosystems management

09:00 **Welcome by moderator**
Andrea Erickson, TNC

09:05 **Setting the scene for ecosystems management**
Giulio Boccaletti, TNC

09:15 **Strengthening enabling conditions for innovative financing for water-related ecosystems**
Kathleen Dominique, OECD

09:25 **Introduction to case studies**
Andrea Erickson, TNC

09:30 **Case study #1: Establishing an Eco-Compensation Fund in the Chishui River watershed, PRC**
Au Shion Yee, ADB

09:40 **Case Study #2: Tariff reform for green infrastructure in Peru**
Ivan Lucich, Forest Trends

09:50 **Case Study #3**
Presenter (tbc)

10:00 **Moderator panel discussion with case study presenters**
Erickson, Andrea, TNC

10:20 **Wrap up**

10:30 **End of session**

IWRM and ecosystem based approaches: Complementary, duplicating or competing?



Room: NL 357

Convenors: S2S Platform, GEF-IW:LEARN, GWP, National and Kapodistrian University of Athens and SIWI

This seminar will discuss the ecosystem dimension of IWRM. What are the conflicts and complementarities between IWRM and ecosystem based approaches? What mechanisms and incentives exist to overcome sectorial and geographic confines? How can the Agenda 2030 help integrate action of interlinked goals? We invite cases illustrating applications of these.

Seminar

Session 1 of 3: Setting the scene: Are IWRM and ecosystem based approach complimentary, duplicating or competing?

09:00 **Introduction**
Moderator: Dr **Danka Thalmeinerova**, GWP
Rapporteur: **Yuji Enriquez**

09:05 **Keynote Speech: IWRM, ICZM, EBA, adaptation to climate change: Integrating the integrated**
Michael Scoullas, University of Athens

09:20 **IWRM and ecosystem, the gap between theory and application**
Luay Froukh, Jordan Water and Reuse Organization

09:30 **What happens when a river becomes a person?**
Erin O'Donnell, University of Melbourne

09:40 **Effective stakeholder participation in IWRM and ecosystems approach**
Kate Harawa, Water For People

09:50 **Audience reflections: Make your choice!**
Facilitator: Dr **Danka Thalmeinerova**, GWP

10:00 **Panel Q&A**

10:25 **Conclusions of session 1**

10:30 **End of session**

Launch of JMP 2018 global baseline on WASH in schools

Room: NL 353

Convenors: GIZ, Save the Children, SuSanA, WaterAid, WHO and UNICEF

This launch event for the WHO/UNICEF JMP 2018 global baseline report on WASH in Schools will convene key stakeholders to discuss the implications for policy and programming. Case study examples will illustrate ongoing efforts to enhance monitoring of WASH in Schools and to ensure that no child is left behind.

Showcase

09:00	Welcome Silvia Gaya , UNICEF	09:30	Q&A	10:25	Summary and wrap up Bruce Gordon , WHO
09:05	Highlights of JMP 2018 global baseline report on WASH in Schools Tom Slaymaker , WHO/UNICEF Joint Monitoring Programme Rick Johnston , WHO/UNICEF Joint Monitoring Programme and Christie Chatterley , WHO/ UNICEF Joint Monitoring Programme	09:40	Panel discussion of country case studies of WASH in Schools monitoring Abram Abanil , MoE, Philippines Bella Monze , GIZ Diala Ktaiche , UNICEF Mohini Venkatesh , Save the Children Therese Mahon , WaterAid, South Asia Administrative Staff, College of India	10:30	End of session

MENA FOCUS | Benefits for ecosystems and wetlands through the nexus



Room: FH 307

Convenors: GWP-Med and Wetlands International

Wetlands in the Mediterranean region provide invaluable ecosystem services, including resilience to climate change impacts, but remain highly vulnerable. The event will take stock of the needs, challenges, regional initiatives and best practices in the Med/MENA region regarding the sustainable management of wetlands, and ecosystems at large, through the water-food-energy-ecosystems.

Event

09:00	Welcoming remarks, context and outline of the session Vangelis Constantianos , GWP-Med Luís Costa , MAVA Foundation Union for the Mediterranean Secretariat (tbc)	09:25	Panel discussion Job Kleijn , Ministry of Foreign Affairs, the Netherlands, Focal Point, Water Affairs, MENA region Angela Klauschen , MedWet Kholoud Al-Ajarma , Lajee Center, Palestine, Programs Manager, Winner of Water Heroes Contest Ger Bergkamp , CEO, ARCOWA SDC (tbc)	10:10	Q&A
09:05	Keynote presentations Coastal wetlands: what investments for what services? Chris Baker , Wetlands International Sustainable management of wetlands in the MENA region through the Nexus approach Sarra Touzi , GWP-Med		Facilitators: Anthi Brouma , GWP-Med and Tassos Krommydas , GWP-Med	10:30	End of session

Safeguarding water-related ecosystems in the Mara River and Tonle Sap (09:00–09:30)

Convenors: IUCN, mWater, SEI, Tetra Tech, UNGC CEO Water Mandate, Winrock International and WRI

The Mara River Basin (Kenya and Tanzania) and Tonle Sap Basin (Cambodia) are globally important regions of biodiversity that provide critical ecosystem services for human development and well-being. However, growing demand for water, food and energy in these two Basins driven by socioeconomic development and population pressure gives new urgency to the need for innovative approaches that build stakeholder collaboration to responsibly plan and implement actions in the face of competing demands and future uncertainty.

In the Mara River, SWP is working with Kenyan and Tanzanian stakeholders to improve water decision-making by providing science, tools and capacity building, including

developing one of the first transboundary water allocation plans. In the Tonle Sap Basin, SWP is working with stakeholders in the Stung Chinit catchment to identify and prioritize key water security risks and implement measures that build resilience. In this Sofa Event, SWP staff and representatives of our key institutional partners, the Lake Victoria Basin Commission and Tonle Sap Authority, will describe the challenges and opportunities in the Mara River and Tonle Sap Basin, provide an overview of the approaches employed under the SWP Activities, and discuss accomplishments related to improving water security and meeting human development and ecosystem needs.

Sofa

UN World Water Development Report 2018 “Nature-based solutions for water”

Room: FH Congress Hall A

Convenors: FAO, UNDP, UNEP, UNESCO-IHP, WWAP, UNU-INWEH and UN-Water

The 2018 edition of the UN World Water Development Report focuses on Nature-based solutions for water. The session will introduce the main findings of this UN-Water flagship publication and discuss with relevant contributors its policy messages and concrete applications to improve water security.

09:00 **Welcome and introductory remarks**
Stefan Uhlenbrook, WWAP

09:05 **Keynote speech**
Henk Ovink, Special Envoy for International Water Affairs at Kingdom of the Netherlands

09:15 **Panel: The potential of nature-based solution for water and sustainable development**
Moderator: **James Dalton**, IUCN
Olcay Ünver, FAO
Marianne Kjellen, UNDP
Elisabeth Bernhardt, UNEP
Sarantuyaa Zandaryaa, UNESCO IHP
Vladimir Smakhtin, UNU-INWEH

09:40 **A collection of case studies**
Engin Koncagül, WWAP

09:50 **Q&A**
Moderator: **James Dalton**, IUCN

10:20 **Closing remarks**

10:30 **End of session**

Showcase

Water management at Electrolux: What's the next step? (09:00–12:30)

Departure:
Entrance FH

Convenor: Electrolux

Electrolux is committed to control and reduce the use of water across all its factories globally, as well as to address the growing need to enhance the water efficiency of products. The visit will give you an overview of the current Electrolux water management approach and the challenges ahead. The field visit will be introduced and moderated by Johan L Kuylenstierna, Vice Chair, Swedish Climate Policy Council, and Adjunct Professor at Stockholm University.

Electrolux is a global leader in professional and household appliances, including washing machines and dishwashers. The Group's global water strategy will be presented during the visit, as well as methods and tools for water accounting and for assessing the water footprint of products.

In 2017, we responded to the CDP Water program for the first time achieving the A- rate.

Field visit

- Electrolux journey to set a context-based water strategy for its operations in 50 factories organized in two specific groups – Water Risk and Water Management factories – with targets on each group
- The Life Cycle Assessment (LCA) based approach to assess the water footprint of products and the environmental impacts of

freshwater consumption over the entire life cycle of a product (raw materials, the product assembly, the use and disposal phase)

- The importance of the geographical location
- The impacts of power production mix over water sources due to energy consumption during the use phase of a product's lifecycle

There will be time to ask questions and to engage in a dialogue. A light lunch will be served.

Please collect your tickets for the field visit at secretariat (available from one day before)

Water use, food security and disease: Achieving healthy outcomes (09:00–10:00)



Room:
NL 461

Convenors: CGIAR-A4NH, CGIAR-WLE, Deltares and The Bridge Collaborative

Environmental, agricultural, social and medical researchers will share insights into interactions between water use for food production and health outcomes, focussing on malaria control. Come join an interdisciplinary discussion on how integrated management of water resources can both improve food security and reduce disease burden in low income settings.

Event

09:00 **Welcome by moderator**

Deltares, **Eline Boelee**, Deltares and **Matthew McCartney**, IWMI

09:05 **Agriculture, water and disease overview and introduction to case study**
Jeff Waage, LSHTM and **Javier Mateo-Sagasta**, IWMI

09:30 **Part 2. Interactions between water, crops and malaria: What is the evidence?**

- Links between large dams and malaria in Africa – **Matthew McCartney**, IWMI, **Jonathan Lautze**, IWMI, **Solomon Kibret**, University of California at Irvine and **Eline Boelee**, Deltares
- Rice production, malaria and the “paddy paradox” – **Kallista Chan** LSHTM and **Jo Lines**, LSHTM

- Modifying rice production to reduce mosquito production and malaria risk in West Africa
Rousseau Djouaka, International Institute of Tropical Agriculture
- Intermittent rice irrigation introduction in Peru – **Carmen Cruz Gamboa**, Ministry of Health, Peru

09:15 **Part 1. Setting the scene - trends in water use, crop development and disease management**

- Malaria and related vector-borne diseases – **Jo Lines**, LSHTM
- Rice production in low and middle income countries – **Kazuki Saito**, Africa Rice
- Agricultural water management in Africa – **Cees van de Guchte**,

09:45 **Part 3. Addressing the problem: interventions and their results so far**

10:00 **Part 4. Connecting the dots: Participatory mapping of multi-sector approaches to water, agriculture and disease**
Facilitator: **Kari Vigerstol**, TNC and **Claudia Ringler**, IFPRI and Bridge Collaborative

10:30 **End of session**

WASAG: Global framework on water scarcity in agriculture (10:00–10:30)

Convenor: FAO

The Coping with Water Scarcity in Agriculture: A Global Framework for Action in a changing Climate was officially launched during the COP22 of the United Nations Framework Convention on Climate Change (UNFCCC) in Marrakesh, Morocco, in November 2016. The Global Framework has been proposed to respond to the increasingly urgent issues of water scarcity. It seeks to catalyse international cooperation on water scarcity in agriculture in the context of climate change and growing competition for water resources.

It is a call for partners from different sectors and backgrounds to join a concerted effort to support countries in implementing their nationally determined contributions (NDCs) and other plans and programmes related to agriculture and water; and in achieving the food security and water-related targets of the 2030 Agenda for Sustainable Development.

Sofa

AFRICA FOCUS | Water security, climate change: Peace and cooperation challenge (11:00-12:30)

Room: NL Auditorium

Convenors: AMCOW and AUC

Water security and climate change are key factors that affect the livelihoods of many Africans in many ways. The challenge of climate change on hydrological systems can drastically affect the economic and social ecosystem. The session will look at the ample opportunities and mechanisms that exist to ameliorate the situation.

Chair: Hon **Mansour Amadou Faye**, Minister of Hydraulics and Sanitation, Senegal

Moderator: Dr **Tahani Sileet**, Nile Water Sector, Egypt and TAC Vice-Chair Northern Africa

11:00 **Welcome by the chair**

11:10 **Water Infrastructure, a condition for sustainable development in Africa**
Symerre Grey-Johnson, PIDA

11:35 **Basin-wide planning and joint investment in water development as a means for regional peace and cooperation**
Hamed Diane Semega, High Commissioner OMVS

12:00 **Discussions**

12:20 **Closing remarks by chair**

12:30 **End of session**

Event

Getting the Basics Right: WASH for reproductive, maternal, newborn health

Room: NL 461

Convenors: LSHTM and WaterAid

The session will highlight the importance of WASH in healthcare facilities in order to strengthen reproductive health, newborn survival, and maternal health. We will have a foundation laid for how WASH can contribute to health outcomes and hear good country examples of programming and discuss ways to enhance collaboration to achieve SDG 3 (health) and SDG 6 (WASH).

Event

11:00	Opening remarks	11:35	Panel discussion Pavani Ram , University of Buffalo/USAID Pia Engstrand , Sida Maggie Montgomery , WHO
11:05	Presentations		Q&A
	<ul style="list-style-type: none"> • Presentation of a conceptual framework and systematic review on connection between WASH with maternal and neonatal health • WaterAid Case study: Tanzania - improving WASH in health care facilities • LSTHM Case study: Nigeria – changing WASH behaviors at health care facilities for neonatal and maternal survival 	12:30	End of session

Groundwater-based natural infrastructure solutions: The missing link to resilience?



Room: NL Pillar Hall

Convenors: IWMI, Center for Advanced Water Research, IGRAC, Institute for Global Environmental Strategi and Robert B. Daugherty Water for Food Global Institute at the University of Nebraska

Groundwater is vital for surface aquatic ecosystems and their services, and vice-versa for groundwater sustainability. This event will showcase significant and increasingly applied approaches to groundwater-based natural infrastructure (GBNI) solutions from around the world. Discussion will focus on ways to further their uptake and contributions to resilience and water security.

Event

11:00	Welcome by moderator Alvar Closas , IWMI	11:25	Underground taming of floods, India Paul Pavelic , IWMI	12:30	End of session
11:05	Introduction to Groundwater-Based Natural Infrastructure (GBNI) Karen Villholth , IWMI	11:30	Unmanaged recharge with poor outcomes, India Jenny Grönwall , SIWI		
	<i>Presentation of GBNI cases and initiatives from around the world</i>	11:35	Planning and assessment of MAR applications Catalin Stefan , CAWR		
11:15	MAR in Nebraska Nick Brozovic , DWFI	11:40	The global MAR portal Arnaud Sterckx , IGRAC		
11:20	Payment for ecosystem services for MAR, Japan Binaya Ray Shivakori , IGES	11:45	Q&A		

Tuesday | 28 August | 11:00–12:30

Is there such thing as innovative financing for ecosystems management?



Room: FH 300

Convenors: AfDB, IDB, SIWI and TNC

Around the world: Innovative financial mechanisms for ecosystems management

This session aims to bring together practitioners from around the world to share experiences implementing innovative financing mechanisms. Each case study will be individually presented, followed by a World Café style discussion.

Seminar

Session 2 of 3: Around the world: Case studies of innovative financial mechanisms for ecosystems management

11:00 **Recap of previous sessions and welcome by moderator**
Suzanne Osmet, WRI

11:15 **How to upscale financing for ecosystems management in Africa?**
Mecuria Assefaw, AfDB

11:25 **Adaptive PES: Financing sustainable water management for ecosystem services**
Peter Vos, GGGI

11:35 **Financial sustainability of watershed conservation schemes: Lessons from LAC**
Monica Altamirano, Deltares

11:45 **Forest resilience bonds in California**
Todd Gartner, WRI

12:00 **Moderated World Café discussion with presenters**
Suzanne Osmet, WRI

12:15 **Wrap up and lessons learned**

12:30 **End of session**

IWRM and ecosystem based approaches: Complementary, duplicating or competing?



Room: NL 357

Convenors: S2S Platform, GEF-IW:LERN, GWP, National and Kapodistrian University of Athens and SIWI

This seminar will discuss the ecosystem dimension of IWRM. What are the conflicts and complementarities between IWRM and ecosystem based approaches? What mechanisms and incentives exist to overcome sectorial and geographic confines? How can the Agenda 2030 help integrate action of interlinked goals? We invite cases illustrating applications of these.

Seminar

Session 2 of 3: Navigating the interlinkages of IWRM and ecosystem based management for climate change adaptation

11:00 **Introduction**
Moderator: **Birgitta Liss Lymer**, S2S Platform, SIWI
Rapporteur: **Yuji Enriquez**

11:05 **Keynote speech: Assessing the interconnectedness of ecosystems, water and food**
Nicola Fohrer, Global Water Partnership/the German Hydrological Society

11:20 **SDG targets and implementation of IWRM in Sri Lanka**
Dammika Sirisena, MCB Bank Limited

11:30 **Reducing uncertainty in ecosystem based approaches towards more holistic IWRM**
Mary Matthews, UNDP GEF Kura II Project

11:40 **Coastal flood adaptation for indigenous communities in Canada**
Andrew Robinson, Laxgalts'ap Village Government

11:50 **Demonstrating operational linkages with a wetland buyback scheme**
Caroline Sullivan, Southern Cross University

12:00 **Q&A**

12:25 **Conclusions of session 2**

12:30 **End of session**

Marketing strategies for sustainability: Building consumer demand for safe water (11:00–11:30)

Convenors: Danone.Communities and Safe Water Network

The financial and operational sustainability of decentralized water supply (referred to as small or safe water enterprises) depends on consistent revenues to cover ongoing operation and maintenance. However, water consumers often choose free sources and, with inadequate revenues, systems often fail forcing consumers to resort to unsafe sources. A Dalberg study on Safe Water Enterprises notes that improving understanding and engagement of consumers is critical to realize sustainable safe water supply.

A growing number of organizations are focusing on marketing efforts to build consumer demand for safe water. Affordability, convenience, and reliability are three key factors consumers value; therefore, organizations need to balance financial viability and affordability, while maximizing convenience and ensuring reliability.

Safe Water Network will share insights based on findings from consumer tracking studies in India and Ghana, and its marketing programs and innovations to respond to consumer demand for affordable, convenient, and reliable safe water.

Danone Communities will discuss global trends and successes as well as the role of marketing in achieving sustainability, based on its experience supporting social businesses providing safe drinking water to the bottom of the pyramid.

This sofa session will promote sector-wide visibility to the consumer proposition for safe water enterprises, and the need for sector-wide collaboration.

MENA FOCUS | Building resilience to shocks and protracted crises



Room: FH 307

Convenors: FAO and World Bank

This event focuses on how water and fragility are linked and the need to understand and address these issues conjunctively for addressing the wider peacebuilding efforts in MENA. The session is expected to provide opportunities for audience engagement and reach concrete policy recommendations for countries, regional organizations and development banks.

Chair: **Pasquale Steduto**, FAO
Rapporteur: **Noosha Tayebi**, World Bank

11:00 **Welcome by the chair**

11:05 **Introduction by representative from FAO**
Abdessalam Ould Ahmed, FAO (tbc)

11:15 **Introduction by representative from the World Bank**
Abdallah Dardari, MNA

11:25 **Presentation of the key aspects of the FAO-World Bank discussion paper: “Water management in fragile systems: Building resilience to shocks and protracted crises”**
Anders Jagerskog, World Bank

11:40 **Questions from the audience**

11:50 **Panel discussion with representatives from the region**
Roula Majdalani, UNESCWA (tbc)
Nada Agizy, League of Arab States (tbc)

Natasha Westheimer, Office of the Quartet (tbc)
Yana Abu Taleb, EcoPeace Middle East
Humanitarian NGO – ICRC or similar
Representative from the Arab Fund for Social Development
Government representative

12:25 **Summary reporting by the rapporteur**

12:30 **Closing of the event by the chair**

12:30 **End of session**

Nature-based solutions for water: A smart approach to disaster risk



Room: NL
Music Hall

Convenors: Caritas Switzerland, CSD Engineers, Direction Générale de L'Eau Genève, HELVETAS, Swiss NGO DRR Platform, SWP and WaterLex

From mitigating disaster impacts to investing in Nature-based Solutions for Water to reduce disaster risks on the long term: How political, organizational and technical levels all matter to end up on effective actions in the field. Based on concrete case studies in Switzerland, Myanmar, Honduras and Tajikistan the event will explore different components for successful implementation of Nature-based Solutions for Water.

Event

**No programme was submitted before publication.
For more recent updates please visit:
<http://programme.worldwaterweek.org>**

Reducing emissions from antibiotics production: Demands, tools and experiences (11:00–11:45)



Room: FH
Cabaret

Convenor: SWH

Tackling Antimicrobial Resistance (AMR) requires promotion and implementation of best practices throughout the lifecycle of antibiotics. Focusing on AMR and the Environment SIWI is engaging with global antibiotics suppliers to collect best practices from the industry and to test new approaches based on resource efficiency for reducing emissions.

Showcase

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|--|---|
| 11:00 Welcome | 11:30 Panel discussion and audience engagement
Nicolai Schaaf , SIWI |
| 11:05 Project presentation: Reducing emissions from antibiotics production
Lizzie Sagrelus , SIWI and
Iris Panorel , SIWI | 11:45 End of session |
| 11:10 Reflections from stakeholders and project partners
Rosemary Kumwenda , SPHS
Frans Vlaar , DSM-Sinochem
Damiano de Felice , Access to Medicine Foundation
Parameswaran Iyer , Ministry of Drinking Water and Sanitation, Government of India | |

Tuesday | 28 August | 11:00–12:30

Research initiatives on the High Andes ecosystems and water interactions

Room: NL 353

Convenors: Agua de Quito, CAF, Cap-Net UNDP, IDB and Quito Water Protection Fund

To optimize water sources ecosystems management, interventions must be supported by research with the academy.

In an open and participatory panel is expected the dissemination of the Scientific Station Project, exchange of experiences, identification of common interests, creation or integration in related networks, and the identification of financing sources.

Showcase

11:00	Context setting Homero Castanier , EPMAPS	11:25	Panel discussion on the applicability of expected results Paul Muños , IADB Bert De Bievre , FONAG Damian Indis , Cap-Net UNDP Victor Arroyo , CAF Pablo Lorete , EPMAPS	12:20	Closing remarks on how this initiative supports the sustainability of water sources Representative, EPMAPS
11:05	Opening remarks Pablo Lloret , EPMAPS	11:45	Round table workshop on similar experiences or innovation	12:25	Wrap up and recommendations Homero Castanier , EPMAPS
11:10	Justification, objectives and institutional structure of the Water and Páramo Scientific Station Bert De Bievre , FONAG	12:05	Panel discussion on the opportunities and challenges for achieving the expected results	12:30	Close of session
11:20	Advances and the scientific and research program of the Water and Páramo Scientific Station Homero Castanier , EPMAPS				

Sanitation in small towns: Challenges for the environment and development



Room: FH Little Theatre

Convenors: GIZ, GRET, i-San Associates, Programme Solidarité Eau, Sandec at Eawag, SuSanA, World Bank and WaterAid

Small towns often face difficulties in developing viable sanitation services, impacting ecosystems and human development. Due to their rapid population growth, this represents a major challenge for reaching the related SDG targets. This event will share the insights from recent studies and question the lessons learned by current field experiences.

Event

11:00	Introduction Colette Génevaux , pS-Eau	12:05	Wrap-up of the World Café and conclusion Martin Gambrill , World Bank
11:10	Flash presentations of the discussion groups	12:30	End of session
11:15	World Café <i>Participants will be invited to join one of the 5 discussion tables, for 2 rounds of debates</i> Moderators: Anna Kristina Kanathigoda , GIZ and Rémi Kaupp , WaterAid		
	<ul style="list-style-type: none"> • Table 1: Financial viability of sanitation services Facilitators: Martin Gambrill, World Bank and Rémi Kaupp, WaterAid • Table 2: Capacity building for small towns Facilitator: Christoph Lüthi, Eawag-Sandec • Table 3: Incentives for small towns Facilitators: Joseph Banzi, WaterAid and Rebecca Gilsdorf, World Bank • Table 4: Sustainability of service: monitoring and evaluation Facilitator: Christophe Le Jallé, pS-Eau • Table 5: Equity aspects in small towns Facilitators: Anna Kristina Kanathigoda, GIZ and Colette Génevaux, pS-Eau 		

Sediment Color Tool: Empowering local drillers for safe water provision (11:00–11:45)



Room: NL 253

Convenors: International Society of Groundwater for Sustainable Development, KTH Royal Institute of Technology, Ramboll Water and UNICEF

A Sediment Color Tool has been developed based on the visual color attributes of the shallow sediments as perceived by the local drillers to install community tube wells at targeted safe depths to scale-up safe water access in rural Bangladesh.

Showcase

11:00 **Welcome and introduction**
Dr **Boluwaji Onobolu**, UNICEF

11:05 **Address by KTH President and Vice President**
Sigbritt Karlsson, KTH Royal Institute of Technology (tbc) and
Göran Finnveden, KTH Royal Institute of Technology (tbc)

11:10 **Showcasing the Sediment Color Tool – An example of transformation of science-based knowledge to local capacity development of private sector for safe water provisions**
Mattias von Brömssen, Ramböll Sweden AB and
Prosun Bhattacharya, KTH Royal Institute of Technology

11:20 **Embedding the private sector (local driller) capacity for service delivery provisions and strengthening the drinking water safety**
Nargis Akhter, UNICEF

11:30 **The way forward – embedding the tool in capacity development of the sector professionals and further innovations**
Moderator: Dr **Boluwaji Onobolu**, UNICEF

11:40 **Concluding remarks**
Dr **Boluwaji Onobolu**, UNICEF
Prosun Bhattacharya, KTH Royal Institute of Technology

11:45 **End of session**

Water for fish: Sustainable inland fisheries



Room: FH 202

Convenors: CI, FAO, TNC, United States Geological Survey, University of Hull International Fisheries Institut, Wetlands International and WWF

Inland fisheries (IF) support food security and livelihoods for millions of vulnerable people worldwide, and IF sustainability depends in large part on ecosystem-based management of water resources. In this session, experts from different sectors will outline key science, policy, governance, and management questions to underpin a sustainable IF roadmap.

Event

11:00 **Introduction**
Ian Harrison, CI

11:05 **Speed presentations**
Moderator: **Abigail Lynch**, USGS

- State of the World's Fisheries
Simon Funge-Smith, FAO
- Lake Tanganyika's fisheries and fish diversity: Addressing threats from village to basin-scale
Colin Apse, TNC
- Replacement water cost of global inland fisheries
Rachel Ainsworth, University of Hull International Fisheries Institute.

- Fishery sustainable development in the Inner Niger Delta: challenges and opportunities
Karounga Keita, Wetlands International
- A study of the Kafue Flats Fishery
Chanda Mwale, WWF
- Mekong inland fisheries under threat
Vittoria Elliott, CI
- InFish: a cross-sectoral inland fisheries community of practice
Abigail Lynch, USGS

11:55 **Plenary discussion**
Moderator: **Robin Abell**, CI
Panelists:
Simon Funge-Smith, FAO
Ian Cowx, University of Hull
International Fisheries Institute
Kathleen Dominique, OECD
Fred Boltz, Resolute Development Solutions

12:25 **Wrap-up**

12:30 **End of session**

Arsenic primer: Guidance on investigation and mitigation of arsenic (12:00–12:45)

Room: NL 253

Convenors: UNICEF and WHO

Arsenic has gained renewed attention after being included as a priority chemical under SDG 6.1. In response UNICEF and WHO developed an updated version of “Arsenic Primer – Guidance on the investigation and mitigation of arsenic contamination”. During this session, participants will learn about arsenic exposure and share experiences.

Showcase

**No programme was submitted before publication.
For more recent updates please visit:
<http://programme.worldwaterweek.org>**

Exhibition Hall

Blue Deal: 20 million people clean, sufficient and enough water (12:00–12:30)

Convenor: Government of the Netherlands

The Blue Deal was launched on World Water Day. It is a new international program of the Dutch Water Supply (regional government) and the Dutch Ministries of Foreign Affairs and Infrastructure and Water Management (national government). The aim of the program is to provide 20 million people in forty river basins worldwide with clean, sufficient and safe water. The program runs until 2030 and contributes to SDG 6.3–6.6. This is the first time that the national and regional government in the Netherlands has joined forces in such a large program.

The Blue Deal consists of long-term partnerships with local governments. The Netherlands will carry out projects with these partners to gradually improve water management until 2030. The focus is on providing assistance, creating opportunities for companies and learning from other countries to continue to improve their own work in the Netherlands. The program pays extra attention to gender, innovation, sustainability, poverty reduction and climate

At this moment the partners are selected, the implementation of the program starts in 2019.

Sofa

Monitoring water quality using EO: UNESCO World Water Quality Portal

Room: FH Cabaret

Convenors: ESA, Group on Earth Observations and UNESCO-IHP

The Session demonstrates the use of Earth Observation (EO) for inland water quality monitoring, science-based policy-making and the SDGs implementation. The UNESCO World Water Quality Portal—a pioneering tool to monitor freshwater quality using satellite data—will be presented, along with activities of other organizations such as GEOSS and ESA.

Showcase

Moderator: **Sarantuyaa Zandaryaa**, UNESCO

12:00 **Opening remarks**

Dr **Blanca Jimenez-Cisneros**, UNESCO-IHP

12:05 **Monitoring water quality using Earth Observations data: Demonstrations of innovative tools and technologies**

- The newly-launched UNESCO World Water Quality Portal: A pioneering tool to monitor water quality using satellite data
Dr **Sarantuyaa Zandaryaa**, UNESCO-IHP

- Earth Observations in support of the SDG water monitoring
Dr **Douglas Cripe**, The GEOSS Secretariat

12:40 **Summary and the way forward**

12:45 **End of session**

- Modelling water quality in lakes using satellite data
Prof **Yosuke Yamashiki**, Kyoto University

- Using Earth Observations to monitor water resources
Dr **Benjamin Koetz**, ESA (tbc)

12:25 **Panel discussion and interaction with the audience: The role and use of EO in water management and the SDGs implementation and monitoring**

ASIA FOCUS | Natural alternatives to water storage



Room: FH 202

Convenors: ADB, APWF, IWC and IWMI

This session will demonstrate the importance of sensitive approaches to the preservation and careful use of natural water storage options for the common good. Case studies will demonstrate practical innovative approaches that enhance water security in a variety of geographies and countries across Asia.

Event

14:00	Overview: Importance and objectives of the session Matthew McCartney , IWMI	14:35	Case Study#3: Groundwater management in Kumamoto City (Japan) Yumiko Asayama , APWF/Japan Water Forum	14:55	Moderated discussion and audience participation Moderator: Thomas Penella Panelists: Paul Pavelic , IWMI Alvin Lopez , ADB Yumiko Asayama , APWF/Japan Water Forum Mark Pasco
14:05	Keynote: Resilience thinking the need for new perspectives Nathaniel Matthews , Global Resilience	14:45	Case Study #4: Aquifer storage and recovery (ASR) in Australia Brian S. McIntosh , International WaterCentre	15:20	Closing remarks, key take away messages Ravi Narayanan , APWF
14:15	Case Study#1: Underground taming of floods for irrigation: Managed aquifer recharge (India/Vietnam) Paul Pavelic , IWMI	14:45	Audience reaction (clarifying questions to all presenters) Moderator: Matthew McCartney , IWMI	15:30	End of session
14:25	Case Study#2: Peatland management in Mongolia for water security and livelihoods (Mongolia) Alvin Lopez , ADB				

Container based sanitation and the sanitation economy



Room: FH Little Theatre

Convenors: Gates Foundation, Clean Team Ghana, Container Based Sanitation Alliance, Greenbaum Found, Loowatt, Sanergy, Sanivation, SOIL, Stone Family Foundation, Toilet Board Coalition, University of Leeds, University of Oregon, WHO and x-runner

This interactive workshop will bring together multiple stakeholders to align behind a unified call to action to scale alternative sanitation solutions that systematically integrate the full sanitation value chain – from safely-managed toilets to nutrient recycling – and generate business opportunities at a lower cost than traditional sewered systems.

Event

14:00	Chair's welcome and session objectives Jon Lane	14:25	Perspectives on sanitation partnerships: Interventions from a CBS service provider, city authority/utility or government representative, health expert, sanitation financing academic and corporate service provider	15:10	Discussion results and highlights: Facilitated feedback
14:05	Introduction to the sanitation economy Cheryl Hicks , The Toilet Board Coalition			15:25	Closing words Jon Lane
14:15	Container based sanitation solution and brief introduction to the Container Based Sanitation Alliance Kory Russel , CBSA	14:40	Interactive audience discussion with table-level facilitators and sector experts: What are the barriers for regenerative sanitation solutions (like CBS) reaching scale in today's economies?	15:30	End of session

Tuesday | 28 August | 14:00–15:30

Eye on LAC | Mainstreaming natural infrastructure in water projects



Room: FH
Congress Hall A

Convenors: FEMSA, IDB and TNC

Water and sanitation projects do not consider natural or green components in their design, even when the economic case is clear. This session will discuss how to optimize water and sanitation projects by incorporating nature-based solutions and, therefore, provide greater economic, social and environmental benefits to society.

Event

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|-------|--|-------|---|
| 14:00 | Welcoming remarks to Eye on LAC
Sergio Campos, IDB | 14:55 | Panel discussion and Q&A: Mainstreaming green and grey from the utility and regulatory perspective
Marco Antonio Cevallos, EPMAPS, Ecuador
Ivan Lucich, SUNASS, Peru
Mark Fletcher, ARUP
Monica Altamirano, Deltares |
| 14:15 | Introduction by moderator
Hugo Contreras, TNC | | |
| 14:25 | Enabling adaptive management: Integrating ecosystems into the master planning process
Monica Altamirano, Deltares | 15:25 | Summary and Wrap-up |
| 14:40 | Designing co-optimized green-grey infrastructure solutions: Integration methodology and considerations
Mark Fletcher, ARUP | 15:30 | End of session |

Food hygiene for child health: An overlooked opportunity



Room: NL 461

Convenors: Great Lakes University of Kisumu, Government of Gambia, International Centre for Diarrhoeal Disease Research, Bangladesh, LSHTM, University of Birmingham, University of Malawi - The Polytechnic and WHO

WASH has a key role to play in reducing faecal contamination of food and therefore reducing disease transmission through faecal-oral pathways. This event will give an overview of current evidence on the impact of food hygiene interventions on health outcomes. It will also share good practice and implementation experience.

Event

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|-------|---|--|--|
| 14:00 | Overview of existing evidence <ul style="list-style-type: none">Making the case for the importance of food as a transmission pathway
Disease burden associated with unhygienic food preparation/storage; presentation of two evaluations of behaviour change interventions in Bangladesh and Nepal, offering proof of concept and high intensity application respectively | <ul style="list-style-type: none">Towards a scalable approach
Presentation of the effect of a low-intensity behaviour change intervention to reduce food contamination and child diarrhoea in The GambiaPromoting a contextualised approach
Presentation of formative findings from two studies in the pipeline that highlight the need for context-specific approachesActing on what we know
Introducing a practitioner's manual for development of a contextualised | 15:00 Closing remarks
WHO WASH team representative |
| | | | 15:05 Q&A |
| | | | 15:30 End of session |

Tuesday | 28 August | 14:00–15:30

Is there such thing as innovative financing for ecosystems management?



Room: FH 300

Convenors: AfDB, IDB, SIWI and TNC

The final session of the day will have practitioners pitch their innovative financing mechanisms in front of a panel of experts, with the aim of stimulating a discussion about bringing these ideas to scale. The panel of experts will be composed of representatives from private sector, investors, MDBs, public utilities.

Seminar

<i>Session 3 of 3: Ignite presentations of financial innovations for scaling ecosystems management</i>	<i>Pitch by fire presentations of financial innovations (with questions from panel)</i>	14:45	Additional pitch presentations (tbc)
14:00 Recap of previous sessions and welcome by moderator World Bank (tbc)	14:15 miParamo, environmental financing mechanism to strengthen water funds in Colombia Diego Arevalo , Good Stuff International	15:00	Moderated discussion with panel and presenters World Bank (tbc)
14:10 Introduction to the panel Rachel Cardone , Redthread Advisors	14:25 Cloud forest blue energy mechanism Justus Raepple , TNC	15:20	Closing remarks from panelists
	14:35 Green bonds water infrastructure criteria John Matthews , AGWA	15:30	End of session

IWRM and ecosystem based approaches: Complementary, duplicating or competing?



Room: NL 357

Convenors: S2S Platform, GEF:IW-LEARN, GWP, National and Kapodistrian University of Athens and SIWI

This seminar will discuss the ecosystem dimension of IWRM. What are the conflicts and complementarities between IWRM and ecosystem based approaches? What mechanisms and incentives exist to overcome sectorial and geographic confines? How can the Agenda 2030 help integrate action of interlinked goals? We invite cases illustrating applications of these.

Seminar

<i>Session 3 of 3: Towards integrated water and ecosystem management</i>	14:20 Environmental paradigm and water management at Lujan River Basin, Argentina Mariano Ferro , University of Buenos Aires	14:50	Evaluation of audience responses and reflections from the seminar
14:00 Introduction Moderator: Marianne Kjellen , UNDP Rapporteur: Yuji Enriquez	14:30 Participatory ecosystem management as decentralised IWRM: Lessons from India Nandita Singh , Water Development Centre (UCV)	15:20	Conclusions from the entire seminar
14:05 Keynote Speech: Linking water and ecosystem-based management for sustainable development from source to sea Birgitta Liss Lymer , S2S platform, SIWI	14:40 A 'Water Governance Observatory' for Brazil: Assessing the effectiveness of water policy and governance in Brazil Ricardo Novaes , WWF-Brazil	15:30	End of session

Tuesday | 28 August | 14:00–15:30

Looking beyond conventional water resources to address global water scarcity



Room: NL
Pillar Hall

Convenors: FAO, UNU – INWEH, UNOSD, UNESCO

Achieving water-related SDGs is a grand challenge for the world at large due to increasing global water scarcity. As river runoff and rainfall in water scarce areas are becoming insufficient to meet the water needs, this event addresses knowledge, insight, and trade-offs of using a range of unconventional water resources.

Event

14:00 **Welcome and introductory remarks**
Vladimir Smakhtin, UNU-INWEH

14:05 **Introductory Talk: Looking beyond conventional water resources to address global water scarcity**
Manzoor Qadir, UNU-INWEH

16:20 **Panel discussion**
Blanca Jiménez, UNESCO
Marlos DeSouza, FAO
Jong-Soo Yoon, UNOSD
Karen Villholth, IWMI
Abdulla Alshehi, National Advisor Bureau, UAE

14:55 **Open discussion**

15:20 **Summary and concluding remarks**
Vladimir Smakhtin, UNU-INWEH

15:30 **End of session**

Role of water utilities in SDGs and new urban agenda



Room: FH 307

Convenors: GWOPA at UN-Habitat

The session will focus specifically on the role of water utilities in the implementation of the SDGs and the New Urban Agenda by linking questions on cities and water with the needs of the urban poor and vulnerable groups.

Event

14:00 **Opening and welcome remarks**
Moderator : **Jose Luis Martin Bordes**, GWOPA at UN-Habitat

14:05 **UN-Habitat's perspective on the role of water utilities in SDGs and New Urban Agenda**
Andre Dzikus, UN-Habitat

14:20 **Country perspective: The case of Mongolia**
Orsoo Lkhagvatseden, Ministry of Construction and Urban Development, Mongolia (tbc)

14:35 **Panel discussion with representatives of water and sanitation utilities**
Paula Kehoe, San Francisco Public Utilities Commission, USA
Diana Makwaba, Nkana Water and Sewerage Company, Kitwe, Zambia
Maria Silvina Perriello, Agua y Saneamientos Argentinos (AySA)
Anna Romelyn Almario, ADB

15:20 **Q&A**

15:30 **End of session**

Scalability and collaboration in water intensive industries to achieve SDGs



Room: FH Cabaret

Convenors: SIWI and ZDHC

Water is a foundational ecosystem. Yet, water is taken for granted and industrial processes extract copious amounts of water or pollute ecosystems with effluents. SIWI, ZDHC and SAC collaborate to limit negative impacts and to scale efforts. Actively contributing industry representatives, limiting negative impacts on ecosystems, will be showcased.

Showcase

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| 14:00 Setting the context: Introduction to STWI and ZDHC – collective action for a more sustainable textile and leather industry
SIWI and ZDHC | 15:20 Concluding remarks and outlook
SIWI and ZDHC |
| 14:20 Interactive panel discussion I: Practical experiences from the supply chains | 15:30 End of session |
| 14:50 Interactive panel discussion II: The role of policy, regulation and financing | |

Tapping shared lessons: Recent global experience of implementing environmental flows



Room: NL Music Hall

Convenors: IHE Delft, Nile Basin Initiative Secretariat, University of Melbourne and WWF

Environmental flows are now widely accepted as an essential element of water resources management, enhancing water security, protecting vital ecosystems and delivering sustainable human development. Implementation has been challenging, but new tools and experiences reveal how eflows can be more effectively embedded in the policy and practice of countries worldwide.

Event

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| 14:00 Welcome and objectives of the event | 15:00 Audience inputs on strategies and requirements |
| 14:05 Ignite talk: Advances in eflows implementation over the last decade | 15:15 Summing up and looking to the 2018 “Global Action Agenda on Environmental Flows” |
| 14:10 Audience voting and discussion of the relevance and realism of advances to their context | 15:30 End of session |
| 14:30 International expert panel “strategies and requirements for successful eflows implementation” | |

The ripple effect: Empowering women through water



Room: NL 353

Convenors: The Coca-Cola Company, Global Water Challenge, USAID and Water and Development Alliance

This session will showcase findings from a ripple effect study conducted by Ipsos, in partnership with the Water and Development Alliance, that examines the unique linkages between improved WASH access and the empowerment of women and girls. In addition, water sector and research experts alike will be highlighting their work at the intersection of WASH and women's empowerment.

Showcase

14:00	Welcome remarks	15:15	Q&A
14:05	Overview of key findings from the ripple effect study	15:25	Brief summary and closing
14:15	Panel discussion	15:30	End of session
14:35	Spotlight: Women's empowerment through water in action		
14:55	Panel discussion		

Exhibition Hall

Use of big-data for water allocation and water productivity (14:00–14:30)

Convenors: FAO, Government of the Netherlands, IHE Delft, IWMI, Ministry for Water and Irrigation in Jordan and Ministry of Water resources and Irrigation of Egypt

Water scarcity is threatening lives and wellbeing of an increasing number of people. It can cause conflicts and spur humanitarian catastrophes, displacement and migration.

Agriculture is using 70% of water of the world's available fresh water resources. If we want to increase water efficiency, we need to address water use in agriculture.

FAO and The Netherlands have taken the initiative to develop a Water Productivity database, an open access tool which helps to monitor agricultural water use and make evidence based decisions. NL has set a target of 25% improvement in water productivity for all its development programs.

Allocation is another important factor; we need to know and decide how much water goes to different water users. Making the right allocations is a matter of political will.

Efficient water use and making the right water allocations can help to mitigate the pending water crisis and prevent conflict. It needs politicians, experts, local communities and courage to make the right decisions. Joint efforts are key.

The Sofa discussion will involve Mr. Alu Subah, Secretary-General at the Ministry of Water in Jordan, and Henk Ovink, Water Envoy for The Netherlands, and will focus on examples from Africa and the MENA region.

Sofa

Utility business cases for investing in watersheds

Room: NL 253

Convenors: TNC and Veolia

How can utilities provide services while supporting ecosystem sustainability? This workshop will examine the analytical frameworks and methodologies being applied to develop robust studies evaluating investment in watershed catchments (green infrastructure) as part of utilities' effort to reduce the cost of water supply treatment and deliver clean water supplies.

Showcase

- | | | |
|-------|--|-----------------------------|
| 14:00 | Introduction
Andrea Erickson-Quiroz , TNC | 15:25 Wrap-up |
| 14:10 | Panel presentations
Jean-Paul Colin , Lyon Metropole
Philip Gichuki , Upper Tana
-Nairobi Water Fund Trust
Mauricio Romero Lara ,
Aguascalientes
Bart Schoonbaert , OFWAT | 15:30 End of session |
| 15:00 | Open panel
Moderator: Laurent Auguste ,
Veolia | |

Exhibition Hall

The geography of future water challenges: The drylands (15:00–15:30)

Convenors: Global Centre of Excellence on Climate Adaptation, Ministry of Foreign Affairs, The Netherlands, Ministry of Infrastructure and Water Management, the Netherlands and PBL Netherlands Environmental Assessment Agency

Sofa

During this Sofa, water management and reducing water/ climate related risk in developing drylands will be central. Water management will be highlighted as one of five major transformation challenges for sustainable development (beside energy transition, sustainable intensification of agriculture, sustainable urbanisation and building a circular economy). Water cuts across these transformation challenges and may be a source for collaboration and building coherent strategies for hotspot regions from a water/climate perspective.

Integrating water- and climate-related challenges and global commitments in development strategies requires a transformation of how strategies are built and implemented. Scale- and place-based approaches and building coalitions

will be key for working effectively in the right direction. Developing scale- and place-based strategies that are anchored in the cultural and social environment offers chances for region-specific solutions.

Henk Ovink, The Dutch Special Envoy for International Water Affairs and Maimbo Mabanga Malesu, programme coordinator water management of ICRAF will from a global and local perspective discuss efforts in drylands in the global South, focusing on solutions taking climate change and socioeconomic developments into account. Cases will inform the discussion that will focus on the possible contribution of nature based solutions in drylands and what is needed to successfully upscale them.

Tuesday | 28 August | 16:00–17:30

Agriculture, freshwater quality, and public health: Tying it all together



Room: FH Little Theatre

Convenors: Pennsylvania State University, Robert B. Daugherty Water for Food Global Institute at the University of Nebraska, SRM University, Texas A&M University and US Department of Agriculture

While food security for humans is a grand challenge of the 21st century, the unintended impacts of agriculture on fresh water resources and the health impacts of pollutants on humans and ecosystems need careful attention. Platform presentations and a panel will discuss this in the context of USA and India.

Expert researchers from the University of Nebraska, SRM University, Pennsylvania State University and the U.S. Department of Agriculture will provide presentations on the causes, detection and mitigation of soil and water contaminants in agricultural regions and their effect on the environment and human health. Presentations will be followed by a 30-minute panel discussion and Q and A.

Event

16:00	Welcome and speaker/panelist introductions Moderator: Chittaranjan Ray , Nebraska Water Center	and plasticizers in the surface water of River Ganga: Profiling, sources and eco-toxicological risk assessment Prof Paromita Chakraborty , SRM Institute of Science and Technology, Kattankulathur	16:45 Panel discussion Speakers and Lara Fowler , Penn State Institutes of Energy and the Environment, Pennsylvania State University Prof Shad Nelson , Texas A&M University-Kingsville
16:05	Presentation: Uranium in ground water and linkages to nitrate Prof Karrie Weber , University of Nebraska	16:30 Presentation: Environmental factors that impact accumulation of pharmaceuticals in food Clinton Williams , ARS-USDA	17:20 Q&A 17:30 End of session
16:15	Presentation: Pesticidal persistent organic pollutants		

ASIA FOCUS | Water sensitive and livable green cities in Asia



Room: FH 202

Convenors: ADB, APWF, GWP, IWC and IWMI

The rapid growth of cities in Asia represents a threat for the equilibrium of the urban ecosystem, habitat and human well-being as a whole. There is a growing interest to explore pathways that can lead to water-sensitive and livable green cities, learning from existing cases of various sub-regions in Asia.

Event

16:00	Overview of this session Yumiko Asayama , Japan Water Forum/APWF	16:19 Implementing water sector reforms in Tashkent province in Uzbekistan: Improving the eco-system and the livability of cities and towns ADB (tbc)	16:39 Social and community dimensions of water sensitive urban design Dr Brian S. McIntosh , IWC
16:05	A wetland management strategy for livable cities and urban resilience: Wetland city of Colombo Dr Matthew McCartney , IWMI	16:26 Sponge cities in China François Brikké , Global Water Partnership	16:47 Panel discussion with speakers, interacting with audience: Pathways that lead to design water-sensitive and livable green cities in Asia Moderator: Ravi Narayanan , APWF
16:12	International Centre for Hazard and Risk Management ICHARM (tbc)	16:32 Cities' collaboration for sound water cycle management in Yahagi River Basin Yumiko Asayama , Japan Water Forum/APWF	17:27 Summary and wrap up Ravi Narayanan , APWF 17:30 End of session

City water resilience framework and resilient water governance (16:00–16:30)

Convenors: 100 Resilient Cities, Arup, the Resilience Shift, SIWI and World Bank

Water Stakeholders and governors often work in silos, for example, there may be individual organisations overseeing agriculture, water supply, sewerage, drainage, fluvial defences, coastal defences, industrial water demand, and hydroelectric power, etc. Some of these actors may undertake actions without awareness of the impacts on the water cycle and it can be difficult to drive change in one area of the water cycle for benefit in another area. For example, catchment management by agriculture or forestry to benefit the water industry is still at pilot-project scale in many areas due to limited agreement on the appropriate incentives that should be provided by water companies.

Understanding the governance of water systems at a catchment-scale and improving collaboration between the actors in the water cycle can be used to improve resilience of the urban water system.

Sofa

Contribution of sanitation to Paris Agreement: What is stopping us?



Room: NL Music Hall

Convenors: BORDA, GIZ, SEI, SuSanA and UNDP-SIWI WGF

Integrated, and well-designed water and sanitation systems with improved sustainable waste management make important contributions to both, climate mitigation and adaptation. At the same time, sanitation service provision needs to be designed in a climate resilient way. This event explores these linkages further through a combination of concepts and interesting cases.

<p><i>Setting the scene</i></p> <p>16:00 Welcome and introduction Dr Sarah Dickin, SEI</p> <p>16:05 Sanitation and the climate change agenda H.E Henk WJ Ovink, Special Envoy for International Water Affairs, Kingdom of The Netherlands, and Sherpa to the High-Level Panel on Water (tbc)</p> <p>16:15 The perspective of the Climate Funding: the barriers for Sanitation funding? Alastair Morrison, Green Climate Fund</p>	<p>16:25 Q&A</p> <p><i>Providing the cases</i></p> <p>16:30 Key challenges in implementing sanitation-climate projects in the MENA region Lara B. Nassar, BORDA-WesCA</p> <p>16:40 Sanitation and wastewater management in Paris: From an adaptation and mitigation perspective JD Berthault, Vice President, SIAAP</p>	<p>16:50 Climate resilient water, sanitation and hygiene (WASH) development in rural Africa WaterAid (tbc)</p> <p><i>Raising the questions</i></p> <p>17:00 Audience-led panel discussion</p> <p>17:25 Concluding remarks Dr Alejandro Jimenez, SIWI WGF</p> <p>17:30 End of session</p>
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Event

Tuesday | 28 August | 16:00–17:30

Eye on LAC | Green-Gray Infrastructure: The Case for Investment



Room: FH Congress Hall A

Convenors: IDB, RTI and WRI

Integrating natural infrastructure with traditional water infrastructure can reduce costs and improve water system performance, while enhancing human well-being. This represents an enticing investment opportunity. Drawing on new natural infrastructure case studies and the perspectives of multinational financial institutions, this session will explore pathways to investment in green-gray infrastructure systems.

Event

16:00 **Introduction by moderator**
Todd Gartner, WRI

Part 1. The business case for green-gray investments: Case studies

16:10 **Evaluating the case to invest in natural infrastructure for water in Southeast Brazil**
Suzanne Ozment, WRI

16:20 **Capturing the specifics of hydrological benefits of green infrastructure: Return on Investment in Quito's Water Fund FONAG**
Bert de Bievre, FONAG

Part 2. Financing mechanisms for green-gray infrastructure: Case studies

16:30 **Lessons from market-based approaches for watershed protection: The case of water quality trading in the Chesapeake Bay region**
George Van Houtven, RTI International

16:40 **How to finance natural infrastructure: A green bonds example**
John Matthews, AGWA

16:50 **Part 3. Panel discussion on how to trigger investment in natural infrastructure and Q&A**

17:25 **Summary and wrap-up by moderator**

17:30 **End of session**

Faecal waste and its mysterious movement through urban ecosystems



Room: NL 461

Convenors: Gates Foundation, GIZ, Emory University, LSHTM, Sanergy, SNV, World Bank, University of Technology Sydney and WSUP

In cities throughout the developing world, human faecal waste has massive impacts on human and ecosystem health. But urban sanitation investments are rarely based on ecosystem-level understanding of the flow pathways of faecal contaminants, faecal pathogens and faecal nutrients, or of the complex relationships between ecosystem health and human health.

Event

16:00 **Welcome and session overview**
...in which we will present, for your sensory delight and intellectual stimulation, the extraordinary and mysterious Pathogen People!

16:05 **Introductory mini-presentations**
Why do we need to understand the ways in which faecal waste moves through urban ecosystems? What approaches are currently being used to improve understanding?

16:20 **Analysis**
What are the implications of our current understanding for the design of urban sanitation systems and related environmental improvements? What are key gaps in our current understanding?

16:30 **Table discussions**
To what extent are implementing agencies currently taking health impact and environmental impact into account in investment decision-making? If to limited extent: why? What (if anything) needs to change?

17:00 **Plenary discussion**

17:20 **Closing reflections from selected participants**

17:30 **End of session**

Free-flowing rivers: Global status and solutions for securing their benefits

Room: NL 357

Convenors: IFC, McGill University, TNC, World Fish Migration Foundation and WWF

This session will introduce a global study to define free-flowing rivers and quantify and map their status. It will also review various solutions to one of the great challenges for global water management - the identification and replication of development options that maintain or restore the benefits of free-flowing rivers.

Event

16:00	Value of free flowing rivers & the cost of not knowing how to define them Michele Thieme , WWF	16:25	Case studies for maintaining or restoring free-flowing rivers Moderator: Jeff Opperman , WWF	17:05	Q&A and discussion
16:10	Global Assessment of free flowing rivers Bernhard Lehner , McGill University		<ul style="list-style-type: none"> • System-scale planning Kate Lazarus, IFC • Upstream planning facilities Justus Raeppe, TNC • Legal mechanisms for protection IDB (tbc) • Downscaling and advocacy Chanda Mwale, WWF • Dam removal Arjan Berkhuisen, World Fish Migration Foundation 	17:30	End of session
16:20	From science to policy protection for free flowing rivers Michele Thieme , WWF-US				

Making waves: Implementing digital finance for sustainable water supply



Room: NL Pillar Hall

Convenors: Consultative Group to Assist the Poor, GSM Association and Safe Water Network

Water service providers struggle to cover costs. Digital finance is an emerging solution that can provide the critical efficiency boost necessary for financial sustainability. Participants will discuss how mobile payments and pay-as-you-go systems can revolutionize revenue collection and water provision, as well what the water service ecosystem must do to be ready for the challenge.

Event

16:00	CGAP to introduce event and key digital finance concepts, as well as present findings from a landscaping of digital finance applications in the water sector	16:45	Panel discussion featuring: Moderator: GSMA Safe Water Network Wonderkid Multimedia MTN Ghana Vodafone
16:15	GSMA to present a case study of a mobile money operator working closely with a Water ATM provider in East Africa	17:15	Q&A
16:30	Safe Water Network to share results from digital finance pilots (including smart meters and water ATMs) at water stations in Ghana	17:30	End of session

Tuesday | 28 August | 16:00–17:30

Nation to nation: Integrating indigenous perspectives into water resource management (16:00–16:45)

Room: NL 253

Convenors: Bureau of Reclamation, United States Department of State and USWP

Reclamation will showcase its work with tribal nations, highlighting consultation and collaborative management practices in the Columbia River Basin. This will include a discussion of the federal-tribal relationship and the challenges of managing a transboundary watershed while balancing competing economic, cultural, and ecosystem interests.

Showcase

16:00 **Welcome by moderator**

16:05 **Nation to nation: Integrating indigenous perspectives into water resource management**
Duane Mecham, United States Department of the Interior, Office of the Solicitor and
John Roache, United States Bureau of Reclamation, River and Reservoir Operations

16:40 **Q&A**

16:45 **End of session**

Participated sustainable development: The role of citizen observatories



Room: FH 300

Convenors: Akvo Foundation, Earthwatch, Gavagai, IHE Delft, Stockholm University and Upande Ltd.

Citizen observatories are community-based monitoring and engagement systems that can bring local communities, traditional authorities and scientific actors together to share information and co-create knowledge about the environment. Practitioners from private and public sectors, academia and NGOs will share hands-on experiences with implementing COs in Africa and Europe.

Event

16:00 **Welcome**

Plenary introduction

Carousel session, participants need to 'vote with their feet', choosing from six stations:

- Three stations will provide insights into the outcomes of COs in two African and one European Demonstration Case.
- The other three stations will address cross-cutting issues such as co-designing COs, citizen engagement, and ICTs for COs and social media analytics.

Plenary discussion with feedback from the participants on their 'station visits'

17:30 **End of session**

Tuesday | 28 August | 16:00–18:00

Recipharm International Environmental Award

Room: FH Cabaret

Convenor: Recipharm AB

The 10th Recipharm International Environmental Award is awarded to Professor Karen Kidd, McMaster University, Ontario, Canada. The showcase will host the prize ceremony as well as a workshop on the topic of Pharmaceuticals' impact on the environment, also giving the perspectives of previous winners of the Award.

Showcase

16:00	Intro Recipharm International Environmental Award	17:20	Panel discussion
16:15	The external view: Regulations, governmental expectations, political development Hannah Leckie, OECD	17:40	Next steps, Q&A
16:35	Panel discussion with previous winners	18:00	End of session
16:50	Award ceremony		
17:00	Keynote speech Karen Kidd		

SDG6.5 on IWRM: From global status reports to accelerated implementation (16:00–17:30)

Room: NL 353

Convenors: Cap-Net UNDP, GWP, UNECE, UNEP-DHI Partnership and UNESCO IHP

This is the launch of the official reports on Sustainable Development Goal (SDG) target 6.5 indicator concerning IWRM (6.5.1) and transboundary water cooperation (6.5.2). During the showcase, ideas on how to accelerate IWRM implementation at multiple levels will be discussed.

Showcase

16:00	Welcome and outline of session	17:00	Breakout groups split over 3 stations	17:15	Reporting back to plenary and reactions from the room
16:05	Opening remarks to set the scene	<ul style="list-style-type: none"> • Station 1: Globally, the key barriers to IWRM implementation are [from report findings]. What are your best ideas on how they can be addressed? • Station 2: Globally, the key weaknesses to transboundary cooperation are [from report findings]. How is it possible to reach operational arrangements? • Station 3: IWRM is a silo within the water silo. How can IWRM break out to better support other targets and goals? 	17:25	Closing remarks	
16:10	Presentations on SDG6.5 indicator baseline monitoring results and recommendations		17:30	End of session	
16:50	Country rep perspectives panel				

WASH affordability: Monitoring and response options



Room: FH 307

Convenors: World Bank, UNICEF, University of Oxford and WHO

This event explores the issue of affordability of drinking water, sanitation and hygiene (WASH). It covers how to define and measure what is an affordable (or unaffordable) WASH service, how a preferred definition might be monitored globally, and how governments and service providers can respond to unaffordable WASH services.

Event

16:00 **Welcome and introduction to global initiative on the monitoring of WASH affordability**

17:00 **Emerging findings from case studies**

17:20 **Ways forward**

16:15 **Debate: contrasting perspectives on affordability**

17:30 **End of session**

- Law/rights
- Economic
- Service delivery
- Regulatory
- Demand and user behaviour

Exhibition Hall

How changed attitudes towards menstruation hygiene impact girls' rights (17:00–17:30)

Convenor: Plan International Sweden

On any given day, 800 million girls and women in the world are menstruating. Yet, attitudes towards menstruation, and inadequate hygiene facilities, are having a detrimental impact on women's and girls' lives. In many countries where we work, women and girls do not have access to the clean water, supplies, resources and knowledge they need to manage their menstruation, and due to harsh social taboos and harmful practices, women and girls are often excluded from participating in society.

For girls, the inability to deal with menstruation in school premises means they miss school each month, or drop out altogether. It also severely affects their ability to make

important decisions about their sexual and reproductive health and well-being at large.

Plan International is committed to improving MHM for girls and addressing the social beliefs and stigmas surrounding menstruation. Together with local governments and schools we are training district health workers, teachers and volunteers. We also distribute menstrual hygiene materials in schools and teach girls how to manage their periods so they feel confident and stay in school. Together with the non-profit H&M Foundation, we work in the remote province of Ratanak Kiri in northern Cambodia.

Sofa

Tuesday | 28 August | 17:00–21:30

Supporting transboundary cooperation: Opportunities within the next GEF funding cycle (17:00–17:45)

Room: NL 253

Convenors: GEF and GEF:IW-LEARN

Cooperation on water is essential to support the need for water, food, energy, and ecosystems security leading to increased resilience locally, nationally and regionally. Session participants will gain insights on the 7th replenishment of the GEF, in particular the strategy and priorities of its International Waters focal area.

Showcase

17:00 **Welcome by moderator**
Mish Hamid, GEF IW:LEARN

17:25 **GEF7 Replenishment**
Christian Severin, GEF and
Astrid Hillers, GEF

17:05 **Keynote: Source to sea linkages**
(tbc)

17:35 **Q&A**

17:15 **Amazon - Caribbean source to sea case**
Amb Jacqueline Mendoza,
Amazon Cooperation Treaty
Organization (tbc) and
Patrick Debels, United Nations
Office for Project Services
(Caribbean Sea Large Marine
Ecosystem Project) (tbc)

17:45 **End of session**

Stockholm Junior Water Prize

Over the past 22 years the Stockholm Junior Water Prize has brought together some of the world's brightest young minds. Each year, thousands of students from all over the globe enter national competitions in the hope of making it to the international final in Stockholm. Tonight, the winning team will be announced.

Award Ceremony
and dinner

Berns salonger

18:00–21:30



Wednesday | 29 August



Coffee 10:30–11:00
15:30–16:00
Lunch 12:30–14:00



Achieving water-related SDGs: Managing emerging pollutants (09:00–09:30)

Convenors: UNESCO-IHP and Sida

A global water quality challenge of increasing concern for human health and ecosystems in both developed and developing countries is a wide variety of emerging pollutants (pharmaceuticals, endocrine disruptors, industrial and household chemicals, etc.) found in water resources. These pollutants are not removed in conventional wastewater treatment facilities, nor regulated or monitored due to lack of knowledge and policies.

Reducing water pollution by emerging pollutants is required for the achievement of the Sustainable Development Goal on water (SDG 6) and other goals, including SDG3 (health), SDG12 (production and consumption) and SDG15 (ecosystems). It is essential to improve scientific knowledge on effects of emerging pollutants on human health and

ecosystems, collect data on their presence in water resources and wastewater, prioritize pollutants of critical concern, and develop effective policies to manage them through both prevention and control approaches.

The Event aims to discuss appropriate solutions to managing emerging pollutants with the participation of different stakeholders from different world regions. It also presents results and key findings of UNESCO Project on Emerging Pollutants in Wastewater Reuse in Developing Countries, funded by Sida under UNESCO-IHP International Initiative on Water Quality, which provide the state-of-the-art scientific and policy information on emerging pollutions in water

AFRICA FOCUS | Effects of universal access to safely managed sanitation

Room: NL Auditorium

Convenor: AMCOW

Access to safe sanitation for all in Africa by 2030 will require the adoption of efficient and most affordable service delivery approaches and technologies. A deliberate choice for a non-sewered sanitation system can be more cost effective. Doing this will create job opportunities for all along the service delivery chain.

Chair: Hon Dr **Mohamed Abdel Atty**, AMCOW, Minister for Water and Irrigation, Egypt

Moderator: **Nompumelelo Ntshalintshali**, Ministry of Water, Kingdom of Eswatini

09:00 **Opening Remarks**
Hon Dr **Mohamed Abdel Atty**, AMCOW, Minister for Water and Irrigation, Egypt

09:10 **How Non-Sewer Sanitation could be the choice for universal sanitation by 2030**
Dr **Doulaye Kone**, WASH, Gates Foundation

09:35 **Role of PPP in accelerating the achievement of SDG targets on sanitation: Case of Senegal**
Lansana Gagny Sakho, ONAS

10:00 **Discussion**

10:20 **Closing**
Hon Dr **Mohamed Abdel Atty**, AMCOW, Minister for Water and Irrigation, Egypt

10:30 **End of session**

Wednesday | 29 August | 09:00–12:30

ASIA FOCUS | Innovative financing to protect ecosystems and promote nature (09:00-10:30)



Room: FH 202

Convenors: ADB, AGWA, APWF, GWP, OECD and WWF

The Asian Development Bank will convene a session that looks at different financing mechanisms from a variety of partners with activities in countries with different conditions and levels of development to protect ecosystems and promote nature-based solutions to water and environmental challenges.

Event

09:00 **Introduction and the importance of green financing options**
Tom Panella, ADB

development of the Green Bonds market in China and their growth and potential for long-term development of green financing,

away from the typical supply-augmentation, grey-infrastructure approach.

09:05 **Presentations**

- The Global Water Partnership will present various cases for financing climate change mitigation measure in Asia and the Pacific.
- The World Wildlife Fund for Nature will do a presentation on “How water stewardship is catalyzing bankable projects and blended finance in Asia.” The Alliance for Global Water Adaptation will discuss the

- The ADB will share its experiences in China in the development of the payment for ecosystem services from the policy and legislative perspective and its application in selected watersheds.

09:55 **Panel discussion with presenters and audience interaction**

Moderators: **Ravi Narayanan**, APWF and **Tom Panella**, ADB

- The OECD will a focus on ecosystems with the message that valuing water can generate returns that may attract financiers. OECD has an on-going policy dialogue in Korea, which explores alternative ways of securing water, moving

10:25 **Closing remarks**
Ravi Narayanan, APWF

10:30 **End of session**

Balancing ecology and economy at Hacksta farm by Lake Mälaren (09:00–12:30)

Departure: Entrance FH

Convenor: Swedish University of Agricultural Sciences (SLU)

Welcome to Hacksta, a farm by Lake Mälaren, to learn about how to increase sustainability in commercial farming. The farm manager and SLU researchers will discuss choices towards increased sustainability and show solutions on the farm that decrease water pollution and climate impact while improving biodiversity and productivity.

During the visit, the farm manager and SLU researchers will share knowledge about measures to increase nutrient and energy efficiency, decrease nutrient and pesticide pollution and support biodiversity while strengthening the economy. There will be possibilities for the visitors to see e.g. fields with buffer strips, a phosphorous dam, biobeds and semi-natural pasture. A barn is available for the visitors in case of rainy weather.

Field visit

09:00 **Bus leaves from the Stockholm City Conference Centre**

10:20 **Biobed as an example of practical measures to reduce pesticide pollution**
Mats Engquist, farm manager

11:00 **Concluding reflections about sustainable farming**
Mats Engquist, farm manager

09:15 **Introduction to the visit**
Sara Gräslund, SLU,
Helena Aronsson, SLU and
Helena Elmquist, Farming-in-Balance

10:30 **Looking at buffer strips along the fields that capture nutrients and enhance biodiversity**
Helena Elmquist, Farming-in-Balance

11:15 **Bus leaves from Hacksta farm**

10:10 **Welcome to Hacksta farm. Challenges and opportunities for sustainable agriculture today**
Mats Engquist, farm manager

10:45 **Capturing phosphorous in a dam**
Helena Aronsson, SLU

11:30 **Discussion**
Sara Gräslund, SLU,
Helena Aronsson, SLU and
Helena Elmquist, Farming-in-Balance

12:30 **Bus arrives at Stockholm City Conference Centre**

Please collect your tickets for the field visit at secretariat (available from one day before)

Wednesday | 29 August | 09:00–10:30

Better water scarcity management for food security and nutrition-sensitive agriculture

Room: FH Cabaret

Convenors: FAO, IFAD and SIWI

With increasing water scarcity, rapid population growth and change of consumer habits, it is urgent that the strategy of “more crop per drop” is supplemented by “more nutrition per drop”. This session aims to discuss how water and agricultural strategies can contribute to improved nutrition and economic outcomes.

Showcase

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| 09:00 Welcome, objectives and expected outcomes
Olcay Unver , FAO | 09:35 Interactive panel discussion focusing on entry points for nutrition in agricultural water and soil management
Mawira Chitima , IFAD
Jennie Barron , SLU and CGIAR WLE
Two representatives from donors institutions , World Bank and USAID | 10:20 Wrap up and closing remarks
Mawira Chitima , IFAD |
| 09:05 Opening remarks
Claudia Ringler , IFPRI | | 10:30 End of session |
| 09:10 Keynote speaker
Jan Lundqvist , SIWI | | |
| 09:25 Water and soil management for nutrition sensitive agriculture
Olcay Unver , FAO | 10:10 Q&A | |

Enabling environments for inclusive city wide sanitation: A conceptual framework



Room: NL 253

Convenors: Gates Foundation, Lusaka Water and Sewerage Company and WSUP

The realisation of inclusive citywide sanitation is critical to healthy urban ecosystems and the achievement of SDG6. To provide services at scale, local institutions must be supported by a well-functioning enabling environment. This event introduces a new framework for understanding what the “enabling environment” means in practice.

Showcase

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|--|--|
| 09.00 Welcome | 09.30 Experience from Bangladesh |
| 09.05 Sector Functionality Framework (SFF): context and rationale | 09.35 Experience from Zambia |
| 09.10 Table work: key components of a functional sector | 09.40 Audience Q&A |
| 09.20 SFF: content and programmatic application | 09.55 Implications for inclusive city wide sanitation: reflections from service providers |
| 09.25 Experience from Kenya | 10.25 Wrap up |
| | 10.30 End of session |

Wednesday | 29 August | 09:00–10:30

Eye on LAC | Natural infrastructure and the Water-Energy-Food Nexus



Room: FH Congress Hall A

Convenors: IDB, FEMSA Foundation and FEMSA

LAC is the breadbasket of the world. To cope with increased demand, most countries are expanding their water, food and energy footprint. Sustainable development is a question mark. Nature-based solutions (green infrastructure) can be part of the solution. The session will present experiences in the use of green infrastructure.

Event

<p>09:00 Introduction Moderator: Fernando Miralles, UMD</p> <p>09:05 Natural infrastructure and the Water-Energy-Food Nexus Thomas Crisman, USF</p> <p>09:20 The role of ecosystems and ecosystem services in food, water and energy security Ariana Sutton-Grier, TNC</p> <p>09:30 The role of marine ecosystems and food systems in Central America and the Caribbean Maya Trotz, USF</p>	<p>09:40 Green infrastructure and water security: A water utility perspective Antonio Lastra, Canal de Isabel II</p> <p>09:50 Panel Discussion: The public sector approach: Challenges for mainstreaming ecoflows and environmental services into infrastructure planning Ariana Sutton-Grier, TNC Maya Trotz, USF Alberto Mendoza, FEMSA Antonio Lastra, Canal de Isabel II</p> <p>10:20 Summary and Wrap-up Fernando Miralles, UMD</p>	<p>10:30 End of session</p>
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Industry's role in ecosystem and watershed management



Room: FH 307

Convenors: ICMM, SIWI and WWF

The more expansive role for the private sector is driving innovation in public policy, technology, business models, partnerships and financing/funding of solutions. This seminar will explore the financial, technical, social and resource management business cases for private sector across global value chains.

Seminar

<p><i>Session 1 of 3: Water as a Wicked Problem and Business Opportunity: How water strategy drives expanded business value</i></p> <p>09:00 Introduction to session 1 and Think-a-Thon</p> <p>09:05 Wicked problems and opportunities Tom Higley, Founder and CEO, 101010</p> <p>09:10 Introduction to TED-Like Talks Moderator: Will Sarni, Water Foundry</p> <ul style="list-style-type: none"> • Trends in water related innovation to manage water risks, Xavier Leflaive, OECD 	<ul style="list-style-type: none"> • Innovative private sector initiatives in addressing water risks including ecosystems Justin Story, Aither, Will Sarni, Water Foundry and Valeria Orozco, Nestle Waters NA • Public and private roles fence lines: Interrogating the boundary critically Therese Rudebeck, Oxford University • Water stewardship and business value: Creating abundance from scarcity Andre Fourie, ABInBev, David Grant, ABInBev and Will Sarni, Water Foundry 	<p>09:35 Panel discussion 1: Business value in solving wicked water problems (with all presenters) Moderator: Will Sarni, Water Foundry</p> <p>10:00 Panel discussion 2: Stakeholder ecosystem strategies and engagement (with all presenters) Moderator: Alexis Morgan, WWF</p> <p>10:25 Conclusions of session 1 Alexis Morgan, WWF</p> <p>10:30 End of session</p>
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Opportunities and challenges of localising WASH humanitarian assistance

Room: NL 357

Convenors: European Commission Directorate General for Humanitarian Aid and Civil Protection, GWC, German Federal Foreign Office, German WASH Network, GIZ, UNICEF, FDFA Switzerland, SuSanA and SWA

The event aims to take stock of the progress of “localisation” in the humanitarian WASH sector and to identify promising solutions that can accelerate progress, without compromising the quality of response and the humanitarian principles. It seeks to improve mutual understanding, coordination and cooperation between humanitarians and their development counterparts.

Event

09:00	<p>Welcome, seminar introduction and thematic definitions by facilitator Thilo Panzerbieter, German WASH Network</p>	09:25	<p>Short input presentations: From local to global: Exchanging perspectives on localisation</p>	<ul style="list-style-type: none"> • Streamlining donor policies and incentives • Adapting the SWA framework to be applicable to humanitarian contexts 	
09:10	<p>Where are we now? Current status, gaps and challenges of localizing humanitarian aid in the WASH sector Dominique Porteaud, GWC</p>	09:40	<p>Q&A</p>	10:15	<p>Reporting back and prioritisation of key recommendations Table rapporteurs</p>
09:15	<p>Building strong and resilient country systems: How can SWA contribute to the localisation agenda? SWA Representative (tbc)</p>	09:45	<p>Round table workshop - Identifying practical recommendations, approaches and partnership that can accelerate progress in localising aid</p> <ul style="list-style-type: none"> • Mobilising local actors • Moving forward the Humanitarian and development nexus 	10:25	<p>Event Conclusion</p>
				10:30	<p>End of session</p>

Room: NL Pillar Hall

Stockholm Water Prize Symposium



Balancing green and grey – getting on nature's good side

Convenor: SIWI

Held in the presence of HM the King of Sweden and the HRH the Crown Princess of Sweden, please be seated before the event starts!

This Symposium celebrates the 2018 Stockholm Water Prize Laureates, Professors Bruce Rittmann and Mark van Loosdrecht. The theme for the 2018 symposium focuses on balancing green and grey solutions for water management. A wonderful thing about green technologies is that they often are multi-functional whereas grey solutions are efficient at fulfilling a single purpose, such as transporting water. The point is that it isn't a question of either/or. We need both green or grey, and we need to be wise in choosing what serves our current and future needs best. To make sure that this deliberation takes place, we need governance systems that pose the right questions and incentivise behaviours that align individual desires with societal good.



Moderator: Dr **Therese Sjömander Magnusson**, SIWI



Dr **Sunita Narain**, Director of the Centre for Science and Environment



Prof **Bruce Rittmann**, 2018 Stockholm Water Prize Laureate



Dr **Claudia Sadoff**, Director General, IWMI



Prof **Mark van Loosdrecht**, 2018 Stockholm Water Prize Laureate



Audrey Azoulay, Director-General, UNESCO

09:00 **Welcome and introduction**

Dr **Therese Sjömander Magnusson**, SIWI

09:40 **What is a wetland worth?**

Dr **Claudia Sadoff**, IWMI, 2012 SWP Laureate

10:40 **Panel discussion**

Moderator: Dr **Therese Sjömander Magnusson**, SIWI
Prof **Bruce Rittmann**
Prof **Mark van Loosdrecht**
Dr **Sunita Narain**
Dr **Claudia Sadoff**

09:10 **With help from our little friends**

Prof **Bruce Rittmann** and Prof **Mark van Loosdrecht**, 2018 SWP Laureates

09:50 **Moderators reflections**

10:00 **Coffee break**

09:30 **Large-scale water-related nature based solutions**

Dr **Sunita Narain**, Centre for Science and Environment, 2005 SWP Laureate

10:30 **Convening power around water issues**

Audrey Azoulay, Director-General, UNESCO

11:50 **Concluding remarks and thanks**

Dr **Therese Sjömander Magnusson**, SIWI

12:00 **End of session**

The Founders of the Stockholm Water Prize are: Bacardi, Borealis, Europeiska ERV, Kemira, Poul Due Jensen Foundation, Ragn-Sells, Water Environment Federation, Xylem Inc. and Ålandsbanken.

Sustainable infrastructure for inclusive green growth



Room: FH
Congress Hall C

Convenors: AfDB, Daegu Metropolitan City, IWMI, SIWI and WWAP

The seminar will provide an opportunity to discuss what exactly is meant by sustainable infrastructure from an ecosystem and water development perspective, and present pragmatic ideas for implementing sustainable/green infrastructure in water resources management in developing and developed countries. It will promote novel approaches for achieving the SDGs and for better management of competing interests between sectors. The seminar will contribute to improved understanding of different stakeholders' needs and responses, thereby promoting greater uptake of sustainable infrastructure. Innovative approaches and technologies for sustainable infrastructure will be introduced via case studies.

Seminar

9:00	Debate Introduction: Green is the new grey: Natural infrastructure provides solutions for all water resource problems Matthew McCartney , IWMI	9:15	Rebuttal: Teams A and B	10:05	Keynote: Groundwater-based natural infrastructure: An overview and outlook Karen Villholth , IWMI
9:05	Opening Statement: Proposition - Team A James Dalton , IUCN Belynda Petrie , One World	9:30	Interactive Audience Cross-Fire	10:15	Keynote: Can Africa take the lead on Sustainable Infrastructure? Oswald Chanda , AfDB
9:10	Opening Statement: Opposition - Team B Mike Muller , University of the Witwatersrand	9:50	Crystallisation: Teams A and B	10:25	Q&A Matthew McCartney , IWMI
		9:55	Debate Conclusions Matthew McCartney , IWMI	10:30	End of session
		10:00	Introduction of keynote speakers Matthew McCartney , IWMI		

UN-Water stakeholder dialogue



Room: NL
Music Hall

Convenor: UN-Water

This event aims to disseminate the main findings of SDG 6 Synthesis Report 2018 on Water and Sanitation, present reflections on the HLPF process and provide a holistic vision of SDG 6 in the context of the 2030 Agenda for Sustainable Development.

Event

09.00	Opening remarks
09.10	The world is not on track: Findings of the SDG 6 Synthesis Report 2018 on Water and Sanitation
09.25	Here is what we need to do: Break out discussion
10.05	Fast forward to action - Reporting back
10.25	Closing remarks
10:30	End of session

WASH bottleneck analysis tool (WASHBAT) to strengthen the enabling environment



Room: NL 353

Convenors: UNICEF and UNDP-SIWI WGF

This event showcases selected country experiences implementing the online WASH Bottleneck Analysis Tool and stimulates debate on how its' implementation can be used to improve WASH sector efficiency and performance.

Discussion will touch on the pathways of the tool's impact, rollout potential to other countries and complementarity with other tools.

Showcase

09.00	Welcome, and introduction to the WASH Bottleneck Analysis Tool (BAT)	10.00	Accompanying tools to the WASH BAT: accountability mapping and sustainability compacts/checks
09.15	On-screen demonstration of the online tool	10.20	Summary and closing remarks
09.30	Country experiences: government and partner perspectives	10:30	End of session

Women and children: Promoting ecosystem protection and human rights



Room: FH 300

Convenors: Caritas Switzerland, IDB, GIZ, OHCHR, WaterLex and WfWP

The needs of women and children are often overlooked, due to cultural reasons or lack of awareness. Case studies from women in rural situations are explained from a personal viewpoint, and combined with realistic nature-based solutions. One of three seminars that investigate human implications of integrated water and ecosystems management.

Event

09:00	Welcome by moderator Amanda Loeffen , WaterLex	09:35	Hygiene/sanitation challenges in Port-au-Prince, Haiti Anamaria Nunez , IDB	10:05	Q&A
09:05	Storyteller from Kerkennah islands (Tunisia) explaining how they have managed water on their island Aida Ghram Kachouri , GIZ	09:45	School Concept 2, connecting with the case study from Sri Lanka Jana Junghardt , Caritas	10:25	Outcome and Conclusion (tbc) , WaterLex
09:20	Women and Children as Catalysts in promoting catchment conservation in Sri Lanka Kusum Athukorala , NetWwater and WfWP	09:55	Comment from former Special Rapporteur on the human rights to safe drinking water and sanitation Catarina de Albuquerque	10:30	End of session

Leveraging learning and innovation in NGO led WASH programming (10:00–10:30)

Convenors: DFAT, iDE, Palladium, Civil Society WASH Fund Management Facility, SNV, University of Technology Sydney and WaterAid

NGOs are a critical players in delivering effective WASH investments, bringing to bear unique skills, organisational characteristics and a commitment to leaving no-one behind. Agility, creativity and a willingness to innovate and learn are hallmarks of successful endeavours.

NGOs are diverse, and this is represented in those implementing the 29 projects of the global Australian supported Civil Society WASH Fund (AUD103m). Explicit support to knowledge and learning (K&L) in the portfolio at every level has facilitated cross-fertilisation of ideas and peer-to-peer exchange that is both valued and has improved programming. Over five years we have seen a maturing in approaches and dialogue on gender and disability inclusive WASH, safe sanitation for ecosystem and human health, and increasingly sophisticated approaches to influencing and building enabling environment.

Informed by experiences from Fund partners, session participants will work together to identify key enablers for evolving practice based on K&L processes and evidence. We will learn and discuss how CSOs:

- Institutionalise efforts to leave no one behind
- Leverage strengths and fill gaps in sanitation marketing and innovation
- Innovate in FSM for safe sanitation
- Evolve monitoring tools as avenues for gender transformative WASH and building sector capacity

AFRICA FOCUS | High level ministerial panel: From policy to action (11:00–12:30)

Room: NL Auditorium

Convenor: AMCOW

A high-level ministerial panel in a questions and answers session will discuss the ways in which policy decisions will cascade and influence actions on the ground on issues of sanitation, groundwater governance and transboundary water cooperation.

<p>11:00 Remarks Gladys Gichuri Wambui, Director, AfDB</p>	<p>11:40 Panel Discussion H.E Isack Kamwelwe, AMCOW President / Minister for Water and Irrigation, Tanzania H.E Eng Seleshi Bekele, Minister for Water and Energy, Ethiopia H.E Eng Suleiman Adamu, Minister of Water, Nigeria H.E Gugile Nkwinti, Minister of Water and Sanitation, South Africa H.E Sharafat Elyedri Afailal, Secrtaire d'Etat chargee de l'Eau, Royaume du Maroc H.E Serge Blaise Zoniaba, Minister of Water, Republic of Congo H.E Lloyd Kaziya Mulenga, Minister of Water, Zambia H.E Kimetso Mathaba, Minister of Water Affairs, Lesotho</p>	<p>H.E Joseph Kofi Adda, Minister of Water Resources and Sanitation, Ghana H.E Ahmadou Mansour Faye, Minister for Hydraulic and Sanitation, Senegal H.E Dr Mohamed Abdel Atty, AMCOW Vice President, Northern Africa/Minister for Water and Irrigation Egypt H.E Guy-Bertrand Mapangou, Minister of Water Gabon H.E Dr Vincent Biruta, Minister of Natural Resources, Rwanda</p>
<p>11:10 Remarks H.E Correa Leonel Josefa Sacko, AU Commissioner for Rural Economy and Agriculture</p>		
<p>11:20 Overview of AMCOW Strategy 2018–2030 Dr Canisius Kanangire, AMCOW Executive Secretary</p>		
<p>11:30 Speech and pre-launch of AMCOW Strategy 2018–2030 H.E Eng Isack Kamwelwe, AMCOW President and Minister of Water and Irrigation, Tanzania</p>		
		<p>12:25 Closing remarks H.E Eng. Isack Kamwelwe, AMCOW President, Minister of Water and Irrigation, Tanzania</p>
		<p>12:30 End of session</p>

Wednesday | 29 August | 11:00–12:30

African spatial delight: Supermarket for innovative water and ecosystems services



Convenors: Aqua for All, IHE Delft, Netherlands Ministry of Foreign Affairs, Netherlands Space Office, University of Twente and VIA Water

We all know the value of data, we all know that there are many types of data: satellite, social media, human sensors, in-situ to name just a few. Come and shop around through twelve different showcases in Africa that will demonstrate their value for farmers and city dwellers.

Showcase

<p>11:00 Introduction Joel Angoran, IHE Institute for Water Education</p> <p>11:05 One-minute pitches of the three convenors and of our twelve innovative products</p> <p>11:20 Shop 'till you drop! Stroll around the different stalls, check out the products and do your own shopping</p> <p><i>Our stalls and their salesmen and saleswomen:</i></p> <ul style="list-style-type: none"> • VIA Water Titia Wouters, Aqua for All • G4AW Ruud Grim and Elise van Tilborg, Netherlands Space Office • AfriAlliance 	<p>Uta Wehn, IHE Institute for Water Education and Chris Mannaerts, University of Twente</p> <ul style="list-style-type: none"> • Flash Flood Forecasting App Hanneke Schuurmans, RHDHV • Water Auditing Leanne Reichard, Hydrologic • MajiSYS Sammy M. Njuki, ITC • Cropmon Fiona van der Burgt, Weather Impact • Maasai Mara Citizen Observatory Luchiri Omoto, Upande Ltd, Kenya • STAMP Catherine Le Come, SNV • Mapping and monitoring critical developments in Niger Delta, Mali Jurjen Wagemaker, Floodtags 	<ul style="list-style-type: none"> • Severe Weather Consult Dominique Mvunabandi, Severe Weather Consult Ltd, Rwanda • Water Productivity Assessment Gijs Simons, FutureWater • FAO WaPOR Elise van Tilborg, Netherlands Space Office • EarthH2Observe Micha Werner, IHE Delft • AfriAlliance Triple Sensing Chris Mannaerts, ITC <p>12:20 Adding up the numbers – which products were top sellers, and which stayed on the shelf?</p> <p>12:30 End of session</p>
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ASIA FOCUS | Challenging nexus technologies, a force for good?



Convenors: ADB, APWF, AWP, FAO and IWMI

The objective of this session is to highlight the complex interconnected nature of water, energy, ecosystems and food. This session will examine the relationships and leverage points of each sector and how they can better work together to produce better, more sustainable outcomes.

Event

<p>11:00 Introduction and the Australian Nexus Experience Michael Wilson, DFAT</p> <p>11:15 Introduction to the debate Ravi Narayanan, APWF</p> <p>11:20 Debate: With regard to growing competition for often-limited resources at the water-energy-ecosystems-food nexus: Is technology a force for good? Moderator: Ravi Narayanan, APWF</p>	<p>For: Technology is a force for good Luna Bharati, IWMI Tom Panella, ADB Hina Lotia, LEAD Vittoria Elliot, CI</p> <p>Against: Technology is not a force for good Abigail Lynch, USGS Louise Whiting, FAO Rob Rendell, RMCG Peter McCornick, DWFI</p>	<p>12:00 Audience interaction</p> <p>12:25 Closing remarks Ravi Narayanan, APWF</p> <p>12:30 End of session</p>
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Wednesday | 29 August | 11:00–12:30

Building watershed resilience and community collaboration under climate change

Room: NL 357

Convenors: AWP, CGIAR-WLE, CRC-WSC and Water Future

Today, watersheds lack resilience to extreme weather events with impacts from heavy rainfall and runoff. This session addresses how a coordinated, watershed-scale plan can be adopted to optimize investment for multiple benefits, and showcases evidence-based, spatial investment tools to support engagement and negotiation between the community, other stakeholders and investors.

Event

11:00	Introduction Dr Anik Bhaduri , Water Future	11:30	Keynote: Building water security resilience in urban environments Prof Tony Wong , CRCWSC	12:20	Summary and Next Steps
11:10	Keynote: Decision Making for Systemic Water Risks: Insights From a Participatory Risk Assessment Process in Vietnam Dr Claudia Ringler , IFPRI	11:40	Panel discussion: Exploring beneficial actions for community, economy and environment Moderator: Dr Marian Neal , AWP Dr Claudia Ringler , IFPRI Prof Jennie Barron , CGIAR Prof Tony Wong , CRCWSC Dr Anik Bhaduri , Water Future	12:30	End of session
11:20	Keynote: Opportunities in building resilience in degraded watersheds: experience from the field in an African context Prof Jennie Barron , CGIAR WLE				

Eye on LAC | Water reserves, an ecological water management model



Room: FH Congress Hall A

Convenors: CAF, IDB, CONAGUA and WWF

Water reserves are defined as the volume of water allocated to a specific function: ecological protection. The session will discuss the origins of the water reserves model, which was pioneered in Mexico, and its potential to become a benchmark for ecological water management in LAC.

Event

11:00	Introduction by moderator Mauro Nalesso , IDB	11:40	Q&A	12:25	Summary and wrap-up by moderator
	<i>Part 1. Water resources conservation in Ecuador</i>		<i>Part 3: Panel discussion: Challenges and opportunities to replicate the experience in LAC</i>	12:30	End of session
11:05	An environmental initiative and framework for a water reserve program Helder Solís , SENAGUA	11:55	Adaptation to climate change perspective John Mathews , AGWA		
	<i>Part 2. Mexico's national reserve program for the environment</i>	12:00	Biodiversity conservation/ ecosystem services Jeff Opperman , WWF		
11:20	Overview and lessons learned Horacio Rubio , CONAGUA	12:05	Governance Julián Suárez , CAF		
11:30	Technical aspects Eugenio Barrios , WWF	12:10	Q&A		

How can the private sector unlock natural solutions at scale? (11:00–11:30)

Convenor: TNC

There is widespread consensus within the private sector that resource efficiency makes commercial and operational sense. This is particularly the case for companies, such as food and drink producers, that rely heavily on water.

This sector has also now taken a leading role in going beyond their ‘factory gates’ to better understand and engage in protection of the watersheds upon which they depend, along with the communities around them. At the same time, there is growing recognition of the value of natural infrastructure as a key delivery mechanism for improved water security, however this has not yet been adopted by the private sector as a mainstream practice.

The Nature Conservancy (TNC) believes that mobilising capital and investment towards natural infrastructure is an effective and cost-efficient way to harness the power of nature to protect us from climate change and other future challenges.

TNC is working with a range of private sector organisations to develop multi-stakeholder solutions to mainstream the inclusion of natural infrastructure into watershed protection programmes. For this sofa, TNC will be joined by two of these organisations to share the opportunities and challenges that such an endeavour brings.

Indigenous peoples: Promoting ecosystem protection and human rights



Room: FH 300

Convenors: Cap-Net, UNDP, IDB, ILO, OHCHR, WaterLex UNDP-SIWI and WGF

Indigenous peoples often struggle to be heard, even though they might understand the environment better than anyone else. Case studies from Latin America are explained from the personal view of the tribes themselves. One of three seminars that investigate human implications of integrated water and ecosystems management.

<p>11:00 Welcome by moderator Rio Hada, OHCHR</p> <p>Recap of the previous session and their interconnectedness, and introduction to the speakers</p> <p><i>Case-study presentations:</i></p> <p>11:05 Leader from the Mayan indigenous community Ch’orti’ in Guatemala Elodia Castillo Vásquez</p>	<p>11:20 Expert presentation on African country case study OHCHR</p> <p><i>Expert Presentations/Comments on Case-studies:</i></p> <p>11:35 Improving access to water for indigenous people in the Atlantic Autonomous Region of Nicaragua by ILO Géraldine Gené</p> <p>11:45 First hand challenges faced due to sea level rise Andrew Robinson</p>	<p>12:05 Q&A</p> <p>12:25 Outcome and Conclusion OHCHR</p> <p>12:30 End of session</p>
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Industry's role in ecosystem and watershed management



Convenors: ICMM, SIWI and WWF

The more expansive role for the private sector is driving innovation in public policy, technology, business models, partnerships and financing/funding of solutions. This seminar will explore the financial, technical, social and resource management business cases for private sector across global value chains.

Session 2 of 3: Industries' stories from the field: Addressing water, ecosystem and human development challenges

Moderator: **Nicky Black**, ICMM

11:00 **Introduction**
ICMM

11:10 **Think-A-Thon: Presentation of industrial practices**

Supply Chain solutions:

- A public-private partnership implements corporate water stewardship in Colombia
Carlos Toro, Colombia National Cleaner Production Center

- Greening the construction chain through cleaner production and organizational learning
Paola Vasquez, Autonoma de Occidente University

Water Re-use methods

- Coal Industry's contribution to Water-Ecosystem through Gainful utilization of Mine-Water
Sekhar Rayaprolu, Western Coalfields Limited
- Sinopec: Grey-green infrastructure to serve industry and nature
Arnoud Penverne, Veolia

Collective Action

- Mining Sector Collective Action on Water: Challenges and Opportunities outside
Scott Miller, Newmont Mining
Briana Gunn, Newmont Mining
- Promoting responsible water stewardship within the agri-business sector
Ruth Thomas

12:05 **Fishbowl discussion on the role of business in water stewardship**

12:25 **Closing Remarks**
ICMM

12:30 **End of session**

Seminar

Reducing the impact on and from coastal and marine environments (11:00–11:45)

Room: FH Cabaret

Convenor: WSP

Can the marine environment sustain the pressure that comes from human activities in coastal environments? WSP presents outcomes and experiences from working with these problems in the real World in different settings and from developing tools in order to reach holistic and ecologically sustainable solutions.

11:00 **Introduction**

11:05 **Assessing the risks and costs to humans from coastal flooding**
Gunilla Kaiser, WSP

11:20 **Creating methods for environmental impact assessment of maritime spatial planning in the Baltic Sea**
Ingrid Tjensvoll, WSP

11:35 **Q&A**

11:45 **End of session**

Showcase

Wednesday | 29 August | 11:00–12:30

Sustainable infrastructure for inclusive green growth



Room: FH Congress Hall C

Convenors: AfDB, Daegu Metropolitan City, IWMI, SIWI and WWAP

The seminar will provide an opportunity to discuss what exactly is meant by sustainable infrastructure from an ecosystem and water development perspective, and present pragmatic ideas for implementing sustainable/green infrastructure in water resources management in developing and developed countries.

Seminar

11:00	Introduction session 2 Stefan Uhlenbrook , WWAP	11:25	Q&A Stefan Uhlenbrook , WWAP	12:15	Summary Statements Panellists
11:05	Keynote: Enabling collaborative investment in sustainable infrastructure to restore catchment resilience Stuart Bunn , Australian River Institute	11:30	Opening remarks Stefan Uhlenbrook , WWAP	12:25	Conclusions Stefan Uhlenbrook , WWAP
11:15	Keynote: Tracking sustainable infrastructure with near real-time comprehensive assessments Charles Vörösmarty , City University of New York	11:35	Panel discussion Kathleen Dominique , OECD Caroline Brown , Pegasys Monique Berendsen , Netherlands IHP-HWRP Committee Catalin Stefan , TU Dresden Astrid Michels , GIZ	12:30	End of session
		11:55	Audience discussion Stefan Uhlenbrook , WWAP,		

Understanding the forest-water nexus: Redefining the narrative?



Room: FH 307

Convenors: FAO, IUCN, IUFRO and SWH

Natural solutions, such as managing forests for water supply, will be required to achieve a resilient future. This event will highlight the prevailing forest-water narratives, promote consensus on how to integrate forests in water management / water in forest management.

Event

11:00	Welcome Torgny Holmgren , SIWI, Katarina Veem , SIWI Eduardo Mansur , FAO(tbc) and James Dalton , IUCN	11:40	Panel Discussion Moderator: Lotta Samuelson , SIWI Elisabeth Bernhardt , UNEP Claude Gascon/Christian Severin/Astrid Hillers , GEF (tbc) Todd Gartner , WRI James Reed , CIFOR Elaine Springgay , FAO
11:15	Keynote: Forests and Water Irena Creed , IUFRO – GFEP report (tbc)		
11:30	Amazonia's Flying Rivers (Video) GIZ/BMUZ	12:25	Conclusion and wrap up James Dalton , IUCN
		12:30	End of session

Water, the keystone to climate resilience (11:00–11:45)



Room: NL 253

Convenors: Arts and Culture Council of Lagos, OneWorld Sustainable Investments and Pilot Program for Climate Resilience

From decentralised water resource management in the Caribbean, mapping climate change impacts to water resources in Zambia, to art advocacy for SDG 6 in Nigeria, OneWorld presents a curated “Knowledge Gallery”, illuminating the way in which water is the key to building climate resilience for all.

Showcase

11:00 **Welcoming and opening presentation**

11:10 **Facilitated exploration of the knowledge gallery : World Café style**

11:40 **Sharing and closing**

11:45 **End of session**

Exhibition Hall

A ‘new grid’ approach to sanitation and SDG6.2 (12:00–12:30)

Convenors: Veolia and TBC

Sofa

The sanitation economy not only provides sanitation, enables education, and facilitates better workplaces for women, but it creates a biological resource system and a new source of information about human health and behaviour. The Toilet Board Coalition (TBC) launched the toilet accelerator in 2016, dedicated to supporting sanitation entrepreneurs in low-income markets to help catalyse new business solutions and innovations. In 2017, the TBC introduced the opportunity of the sanitation economy, a future marketplace of untapped business potential, based on growing evidence of significant new benefits for business and society across sectors, an estimated \$62 billion opportunity by 2021 in India alone.

Veolia, a leading member of the TBC and the global leader in optimized resource management, is committed to the deployment of the circular economy on all continents and delivers sanitation services to more than 60 million: Veolia strongly believes in the necessity to develop hybridized solutions using at the same time classic engineered solutions and decentralized solutions within the sanitation economy approach. The two organisations will discuss innovative business opportunities within this ‘new grid’ sanitation economy approach.

Wednesday | 29 August | 12:00–12:45

Mating belongs to all: Finland's love affair with migratory fish

Room: FH Cabaret

Convenors: K Group and WWF

This session will explain how an innovative campaign to save endangered migratory fish is transforming Finnish attitudes to dams and rivers – and inspiring a movement to remove small dams and other migratory obstacles. It will show how this approach based on communications and voluntary fieldwork could be replicated elsewhere.

Showcase

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|-------|--|-------|--|
| 12:00 | Time to show Finland's migratory fish some love
Sampsa Vilhunen, WWF | 12:35 | Audience Q&A: So what's next? And how can other countries learn from, and replicate, our successes? |
| 12:07 | Why we work on fish and rivers?
Matti Kalervo, Kesko | 12:45 | End of session |
| 12:15 | From videos to volunteers: Transforming Finnish attitudes to rivers, dams and migratory fish
Sampsa Vilhunen, WWF and Matti Kalervo, Kesko | | |

Using space enabled water quality forecasting in decision making



Room: NL 253

Convenors: Consiglio Nazionale delle Ricerche, EMVIS, Ente Acque della Sardegna, EOMAP, EUROPEAN DYNAMICS, IWA, Organization for the Development of Crete S.A. and SMHI

Technological innovation is instrumental in addressing our increasingly complex and multidisciplinary water challenges as to ensure sustainability while supporting economic growth. Space technology is part of promoting and supporting innovation by providing environmental information which can be used to improve preparedness and planning by water utilities and other end users.

Showcase

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|-------|---|---|--|
| 12:00 | Setting the scene: How can satellite technology combined with local monitoring and advanced modelling be used to improve reservoir's management and performance of service providers downstream
Apostolis Tzimas, EMVIS | <ul style="list-style-type: none"> Optimizing performance in water treatment plants | <ul style="list-style-type: none"> What type of investments have been undertaken to reduce or deal with algal blooms and/or turbidity? What information is missing and do you think such technology can fill this gap? |
| 12:10 | Demonstration of the decision support system components
Evangelos Romas, EMVIS | <ul style="list-style-type: none"> How would you use the information provided by the tools in practice? Who would find it useful and how would they apply it? | 12:45 End of session |
| | <ul style="list-style-type: none"> Environmental information system Early warning system | 12:30 Discussion with audience – how can this type of technology reduce the economic impact of algal blooms and turbidity?
Moderators: Katharine Cross, IWA and Carolina Latorre, IWA | |

Asia water-nomics: More GDP with less water and pollution



Room: NL 357

Convenor: China Water Risk

Water is essential for development and climate change is exacerbating water challenges - it's time to embed this in economic planning. How can we generate GDP with less water and pollution? Hear about balancing trade-offs between development and water resources – from the Yangtze to the Ganges, Indus and beyond.

Event

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|-------|--|-------|---|
| 14:00 | Welcome remarks
China Water Risk | 14:35 | Micro-level water-nomics: evaluating sectoral water risks
Yuanchao Xu, CWR |
| 14:05 | Water-nomics to ensure Asia's future prospects
Feng Hu, Water-nomics, CWR | 14:45 | Panel discussion and audience Q&A
Moderator: Feng Hu , CWR
Claudia Ringler , IFPRI
Luna Bharati , IWMI
Megan McLeod , AWS Asia-Pacific |
| 14:15 | Managing water and climate risks in the rural areas
Luna Bharati, IWMI | 15:25 | Closing remarks |
| 14:25 | Macro-economic impacts of water scarcity and redlines in China: Results from an integrated regional CGE water model
Claudia Ringler, IFPRI | 15:30 | End of session |

Connecting water, security and peace through ecosystems



Room: FH Little Theatre

Convenors: Forest Trends, Geneva Water Hub, IUCN, UNEP, UNECE, and Wetlands International

The increasing demands and potential solutions for water security, peace and development through good nature resource governance will be examined through several cases, focusing on Africa. The session will also discuss the types of solutions needed to ensure that governance of ecosystems contributes to peace instead of exacerbating conflicts.

Event

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|-------|---|-------|--|
| 14:00 | Welcome
Jane Madgwick, Wetlands International | 14:40 | Round table discussions about solutions needed to ensure that ecosystems contribute to peace <ul style="list-style-type: none">• governance solutions• technical solutions• financial solutions• stakeholder solutions |
| 14:05 | Video message
Ibrahim Thiaw, Special UN Adviser for the Sahel | 15:10 | Final reflections
Danilo Türk, Global High Level-Panel on Water and Peace |
| 14:10 | Expert interviews about the role of ecosystems in relation to conflict/peace and solutions
Joseph Bartel, Ministry of Environment and Forestry, South Sudan
Eiman Karar, UNEP
Karounga Keita, Wetlands International
Lindsey Aldaco-Manner, WYPW | 15:30 | End of session |

Wednesday | 29 August | 14:00–15:30

Donors' water strategies under the 2030 agenda



Room: FH 202

Convenors: BMZ, EC, SDC and USAID

The event presents and discusses donors' water strategies under the 2030 agenda. Several donors have put forward or work on new approaches like Germany's BMZ, Swiss SDC, oder EU DEVCO. How are the 2030 agenda and the Paris agreement mainstreamed? What aspects are new?

Event

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|-------|---|-------|--|-------|-----------------------|
| 14.00 | Welcome remarks
Tania Rödiger-Vorwerk , BMZ | 14.30 | Panel discussion
James M. Peters , USAID
Antton Keto , Ministry of Environment, Finland
Ylenia Rosso , EU DEVCO
Franz Marré , BMZ
Eileen Hofstetter , SDC | 15:30 | End of session |
| 14.05 | Donors' water strategies: An overview highlighting common topics and unique approaches
Eileen Hofstetter , SDC | | | | |
| 14.20 | Ignite talks
Mike Muller , University of Witwatersrand and
Katrin Gronemeier , GIZ | 15.00 | Audience discussion | | |
| | | 15.20 | Closing remarks
Tania Rödiger-Vorwerk , BMZ | | |

Follow up on the high-level panel on water: Financing and valuing



Room: NL Pillar Hall

Convenors: Government of the Netherlands, OECD, Office of the President of Hungary and WWC

The high level panel on water set out key recommendations on financing and valuing water in March 2018. This session will explore how these recommendations can be implemented by mobilising the relevant stakeholders around a common agenda for action, including via the roundtable on financing water.

Event

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|-------|---|--|---|
| 14:00 | Welcome and introduction
János Áder , President of Hungary
Henk Ovink , Special Envoy for International Water Affairs, Kingdom of the Netherlands | <i>Putting Principles into practice: How can valuing water enable financing?</i> | <i>Wrap-up and closing</i> |
| 14:10 | Moderated interactive discussion between session participants and experts
Moderator: Dr Xavier Leflaive , OECD
Prof Charles Vörösmarty , University of New York
Jennifer Sara , The World Bank
Usha Roa Monari , Global Water Development Partners, Blackstone Portfolio Company
Stuart Orr , WWF
Chanda Mwale , WWF | 15:00 | Key take-away messages from the interactive discussion
Hannah Leckie , OECD |
| | | 15:05 | Closing remarks and signal future work on related issues
Dr Benedito Braga , WWC |
| | | 15:30 | End of session |

Global resilience partnership: Building a sustainable flood resilient future

Room: NL 253

Convenors: IUCN and GRP

A sustainable flood resilient future in a world of uncertainty requires approaches that work with ecosystems. Delivered by practitioners, this event will showcase flood resilient innovations from the field as part of the global resilience partnership water window grants (funded by Zurich Foundation).

Showcase

14:00 **Introduction: The Zurich Foundation and the Global Resilience Partnership's commitment to a sustainable flood resilience future**

David Nash, the Zurich Foundation

14:15 **The role of nature based solutions in building flood resilience**

Dr **James Dalton**, IUCN

14:30 **Three PechaKucha presentations from GRP Grant Project Leaders from the field:**

- Trans-boundary flood risk mitigation through governance and innovative information technology
Nyoman Prayoga, Mercy Corps
- The impacts of flooding on well-being and the role of ecosystem based adaptation in Vietnam
Dr **Philip Bubeck**, Universität Potsdam
- Building the resilience of vulnerable coastal communities against floods in Sri Lanka
Karen Peterson, Seacology

15:00 **Audience led group discussion on two biggest opportunities and challenges of scaling ecosystem based approaches to flood resilience**

15:20 **Report back highlights in plenary**

Dr **Nathanial Matthews**, GRP

15:30 **End of session**

Industry's role in ecosystem and watershed management



Room: NL Music Hall (456)

Convenors: ICMM, SIWI and WWF

The more expansive role for the private sector is driving innovation in public policy, technology, business models, partnerships and financing/funding of solutions. This seminar will explore the financial, technical, social and resource management business cases for private sector across global value chains.

Seminar

Session 3 of 3: Financing impact acceleration: Savvy, sustainable, and scalable solutions to address industrial water impact

Moderators: **Rami Narte**, Nordic Agency for Sustainable Impact (NordAgency) and **Nicole Dinion**, Ericsson

14:00 **Workshop introduction**
Rami Narte, NordAgency and **Nicole Dinion**, Ericsson

14:05 **Presentation of accelerator method**

Rami Narte, NordAgency, ImagineH2O and cewas

14:10 **Ted-like Talks: Introduction**

Moderator: **Rami Narte**, NordAgency

- Leveraging artificial intelligence to accelerate solutions to wicked water problems
Josh Henretig, Microsoft
- Quantifying water consumption embedded in electricity generation
Stefanie Woodward, WSP
- Identifying impacts of private sector water abstractions: A Kenyan application
Julien Harou, University of Manchester

14:25 **Acceleration workshop**

15:30 **End of session**

Wednesday | 29 August | 14:00–15:30

Innovative taxation models for urban ecosystem sanitation



Room: FH Congress Hall A

Convenors: APHRC, Aquaya, Gates Foundation, KEWASNET, ODI, World Bank, Water Services Regulatory Board Kenya, Water Services Trust Fund, and WSUP

Innovative financing often refers to hip-sounding concepts like “impact investment” or “green bonds”. OK, so maybe taxation isn’t hip: but it can certainly be raised in innovative ways. This session will report recent research around tax and cross-subsidy generation for urban sanitation, and for urban ecosystem quality more widely.

Event

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|---|--|---|
| <p>14:00 Welcome</p> <p>14:05 Introduction: Redistributive financing through taxation or cross-subsidy... defining some key terms and concepts</p> <p>14:10 Recent research findings: Results from Kenya around willingness of utility customers to pay a pro-poor sanitation surcharge, and summary of related research from Ghana and Mozambique</p> | <p>14:30 Participant opinion poll: What is YOUR view about the importance of redistributive financing?</p> <p>14:35 The wider picture: Political economy challenges of redistributive financing</p> <p>14:45 Table discussions
<i>We want to hear your views!</i></p> <p>15:10 Interview with Engineer Robert Gakubia, CEO of Kenya’s water regulator WASREB</p> | <p>15:25 Closing reflections from selected participants</p> <p>15:30 End of session</p> |
|---|--|---|

Mapping the urban sanitation challenge: Nairobi SFD



Room: NL 353

Convenors: APHRC, Nairobi County Government, Nairobi Water and Sewerage company

This event will showcase Nairobi’s multi-stakeholder, government-led, internationally-validated Shitflow Diagram (SFD) process. We will share the diagram and reflections on the process for stakeholders involved. We will then facilitate an interactive, candid discussion on how the SFD can be a tool to mobilize political will and resources for urban sanitation.

Showcase

- | | |
|---|---|
| <p>14:00 Overview of the process : From initiation to validation
APHRC and Sanergy</p> <p>14:10 Presentation of the research evidence: The Nairobi Shit Flow Diagram (SFD)
APHRC</p> <p>14:20 Presentation on financing and shared responsibility in sanitation public service delivery
Devolved Government Official</p> | <p>14:40 Presentation on priorities and what implementation (current and future)
Representative from Nairobi Water</p> <p>15:00 Question and Answer Session
Moderator: Sanergy</p> <p>15:30 End of session</p> |
|---|---|

Refugees and migrants: Promoting ecosystem protection and human rights



Room:
FH 300

Convenors: Geneva Water Hub, IDB, International Organization for Migration, OHCHR, University of Geneva, UNHCR and WaterLex

Water and sanitation policies for refugees and migrants are often overlooked, as they fall between different jurisdictions and national laws. Case studies from migrants are introduced from a personal viewpoint. One of three seminars that investigate human implications of integrated water and ecosystems management.

Event

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|-------|--|-------|--|-------|---|
| 14:00 | Welcome and recap of the previous two sessions and their interconnectedness, and introduction to the speakers
Moderator: Amanda Loeffen , WaterLex | 14:20 | Solving water and sanitation challenges for the Rohingya in Bangladesh
Antonio Torres , IOM | 15:10 | Concluding session on promoting ecosystem protection and human rights
IDB, OHCHR and WaterLex |
| 14:05 | Experiences as a refugee in South Sudan and how nature-based solutions are used to deal with challenges on water and sanitation
Maiwen Dot Pheot Ngalueth | 14:35 | Comments on refugees and migrants based on the case-studies presentations
Prof Mara Tignino , Geneva Water Hub/UNIGE and Rakia Turner , WaterLex | 15:25 | General conclusions and wrap up
Rio Hada , OHCHR |
| | | 14:50 | Q&A | 15:30 | End of session |

Exhibition Hall

Stockholm Junior Water Prize winner(s) 2018 (14:00–14:30)

Convenors: SIWI and Xylem

Founding Global Sponsor presents the winner of the 2018 Stockholm Junior Water Prize. Come meet the winner and learn about their innovative winning project and listen to how they became interested in water research.

The 2018 contest featured contestants from 33 countries. In addition, hear from Xylem's Vice President of Global Affairs, Kelly McAndrew, about why the company has been the Founding Global Sponsor of the SJWP for the past 22 consecutive years.

Xylem was also instrumental in helping SIWI to develop the WaterTank, a digital platform to promote the Stockholm Junior Water Prize and the achievements of its participants. The goal of this platform is to connect finalists, winners and alumni to industry advisors, research grants, and other global and local opportunities.

Sofa

Wednesday | 29 August | 14:00–15:30

Sustainable infrastructure for inclusive green growth



Room: FH Congress Hall C

Convenors: AfDB, Daegu Metropolitan City, IWMI, SIWI and WWAP

The seminar will provide an opportunity to discuss what exactly is meant by sustainable infrastructure from an ecosystem and water development perspective, and present pragmatic ideas for implementing sustainable/green infrastructure in water resources management in developing and developed countries.

Seminar

14:00	Introduction Gyewoon Choi , Incheon National University	14:25	Q&A Gyewoon Choi , Incheon National University	14:55	Audience discussion Gyewoon Choi , Incheon National University
14:05	Keynote: Daegu Metropolitan City sustainable infrastructure Jum Mun Kang , Daegu Metropolitan City	14:30	Opening remarks Gyewoon Choi , Incheon National University	15:10	Takeaways
14:15	Keynote: Implementing a social-ecological landscape approach for wetland management Alan Dixon , University of Worcester and Adrian Wood , University of Huddersfield	14:35	Round table Nassia Kassela GWP Mediterranean Maria Lennartsson City of Stockholm Claudia Ringler , IFPRI Laurent Auguste , Veolia Paul Pavelic , IWMI Xuli Meng , University of Queensland	15:20	Seminar conclusions Maimuna Nalubega , AfDB
				15:30	End of session

The source-to-sea balancing act: Development needs and ecosystem preservation

Room: FH 307

Convenors: Delta Alliance, FAO, Future Earth Coasts, IUCN, S2S Platform, SwAM and WGF

More than half of the global value of ecosystem services is provided by coastal ecosystems, but much of it is jeopardized by human activities that take place upstream. The session will identify opportunities for addressing source-to-sea priorities as part of climate adaptation and sustainable development efforts.

Event

14:00	Welcome and introduction Torkil J. Clausen , S2S Platform	14:25	Delta impacts from dams in the Mekong basin Patrick Leinenkugel , German Aerospace Center	14:45	Panel discussion and audience interaction Andrew Hudson , UNDP Jakob Granit , SwAM Martha Rojas-Urrego , RAMSAR Convention (tbc) Lars Ronnås , Swedish Ambassador for Climate Martin LeTissier , Future Earth Coasts (tbc) Aimee Gonzales , PEMSEA (tbc)
14:05	Keynote H.E Tran Hong Ha , Minister of Natural Resources and Environment, Viet Nam (tbc)	14:30	Hydropower stakeholder dialogue in Sweden Inger Poveda Björklund , SWaM	15:25	Closing remarks
14:15	Video message Peter Thomson , UN Special Envoy for the Ocean	14:35	Tackling agricultural practices linked to soil and water pollution Olcay Unver , FAO	15:30	End of session
14:20	<i>Ignite presentations: The source-to-sea balancing act</i> Deltas – where the river meets the sea in Kenya and Ghana Cees van de Guchte , Delta Alliance	14:40	Marine plastic pollution: a needed life cycle approach. Examples from the MARPLASTICCs Initiative Carole Martinez , IUCN and Lea Dubois , IUCN		

Wednesday | 29 August | 14:00–15:30

Water finance constrains: Africa and Sweden



Room: FH
Cabaret

Convenors: AMCOW, European Commission, Sida, SIWI and SISD

It is well-documented that attracting finance to water infrastructure development in Africa is notoriously difficult. Interestingly, it also proves challenging to attract finance to water infrastructure in Sweden. This session explores the constrains and identifies commonalities between the two locations. Participants respond with possible approaches to overcoming these constraints.

Showcase

14:00	Welcome and session structure Anton Earle , SIWI	14:26	Challenges and opportunities for water infrastructure financing across Africa using case studies from the AEWPP project pipeline Ziyanda Mpakama , AEWPP, SIWI	14:50	World Café <ul style="list-style-type: none">• Municipal challenges to take on debt for water infrastructure• Tariff setting (parallel discussions in English and French)• Legal and regulatory environment for investment including alternative procurement challenges• Addressing capacity gaps at multiple scales (municipal, national, regional, global) (parallel discussions in English and French)• Blended financing for water investments
14:05	Welcome address Dr Canisius Kanangire , AMCOW and EU representative	14:32	Blended finance for water investments: opportunities and challenges Kathleen Dominique , OECD	15:20	Reporting Back Anton Earle , SIWI
14:10	Welcome and introduction to showcase: Common challenges and opportunities, knowledge exchange across a variety of scales (municipal, national, regional, global) Karin Anette Andersson , Sida	14:40	Introduction to the World Café, thematic issues and table facilitators Moderators: Anton Earle , SIWI and Dr Grit Martinez , Ecologic	15:30	End of session
14:18	Challenges and opportunities for water infrastructure financing in Sweden: presentation of SISD study key findings Charlotta Dawidowski Sydstrand , AP7				

Exhibition Hall

Bee together and water in school (15:00–15:30)

Convenor: Connected Dreams

Sofa

Water is the main ingredient in many foods and water is the crucial link in the project “Bee together”. The shortage of clean drinking-water doesn’t just create problems for the human race and we can today see how chemicals, pesticides and waste fundamentally threaten the basic prerequisites for life on Earth. A lack of clean water will lead to conflicts, war and financial collapse. We humans can choose to change imbalance to balance and we now want to present “Bee together”, where the schooling system and student democracy are at the forefront.

Interaction between young and old, where old knowledge are placed in the hands of the young and where the flow of the river makes this project transboundary, both locally, regionally and globally. The Beetogether project connect water councils, beekeepers and schools. Every river is connecting with another river. In our sofa we give a “Beetogether perspective”. The network “water in school” share their perspectives about the solutions we need for making the water framework connect with school systems.

Wednesday | 29 August | 16:00–17:30

A common vision for Peru: Natural infrastructure for water security

Room: NL 353

Convenors: Forest Trends and USAID

Green infrastructure is increasingly recognized as critical to achieving water security, while also addressing related challenges climate adaptation, DRM, food security, and health. This event highlights a unique, innovative new effort in Peru creating a common vision-green infrastructure roadmap to facilitate integrated, cross-sectoral planning and investment processes throughout Peru.

Showcase

16:00 **Welcome and overview of the session**

16:10 **Keynote: Natural infrastructure for water security in Peru**

16:30 **Government of Peru panel: Cross-sectoral collaboration towards a common vision**

17:10 **Audience discussion with panel**

17:25 **Closing remarks**

17:30 **End of session**

Blue schools: Linking WASH in schools with other SDG6 targets (16:00–16:45)



Room: FH Cabaret

Convenors: Caritas Switzerland, HELVETAS, Sandec at Eawag, SDC, Swiss Red Cross, Swiss Water and Sanitation Consortium and Terre des Hommes

Blue schools offer a healthy learning environment and expose students to environmentally-friendly technologies and practices in the classroom and school environs. Conveners will launch the blue school concept 2.0, geared to connect students with all SDG 6 targets and inspire the next generation of WASH and environment sector champions.

Showcase

16:00 **Welcome and launching the blue schools kit**
Agnes Montangero, HELVETAS Swiss Intercooperation
John Brogan, Terre des hommes

16:10 **Putting blue schools into action**
Lucie Leclert, Caritas Switzerland

16:20 **Experience from the field**
Shreelata Rana, Swiss Red Cross

16:30 **Q&A Panel**
John Brogan, Terre des hommes
Lucie Leclert, Caritas Switzerland
Shreelata Rana, Swiss Red Cross

16:40 **Summary and wrap-up**

16:45 **End of session**

Wednesday | 29 August | 16:00–17:30

Closing urban water cycles: Transforming urban water solutions



Room: FH Congress Hall A

Convenors: BGR and KfW Development Bank

To meet the urban water challenges, alternative ways of producing and storing potable water are strongly required. The event showcases innovations and lessons learnt in field of direct water reclamation and artificial aquifer recharge, that seek to close or at least narrow the urban water cycle towards increased sustainability.

Event

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|-------|--|-------|-----------------------------|
| 16:00 | Opening statement /overview of the event | 17:10 | Q&A / Discussion |
| 16:05 | Introduction: Transforming urban water cycles
BGR / KfW | 17:25 | Closing remarks |
| 16:20 | Intra-urban water reuse: Case studies
Peter Cornel , TU Darmstadt | 17:30 | End of session |
| 16:45 | Groundwater in urban water cycles: The southern African experience
Kevin Pietersen , University of the Western Cape | | |

Efficiency, sufficiency, sustainability: Allocation in river basins



Room: NL 357

Convenors: Cranfield University, FAO, Institute of Natural Resources NPC, IUCN, University of East Anglia and WWF

Water (re)allocation is a complex water policy challenge. How to prioritise different river basin benefits and functions given limited water resources? This event will debate policy challenges and public and private responses to improve water allocation that includes ecosystem and development needs.

Event

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|-------|---|-------|--|-------|---|
| 16:00 | Welcome and brief opening remarks
James Dalton , IUCN | 16:30 | Facilitated audience perspectives
Stuart Orr , WWF | 17:05 | Discussant panel exchange with audience
Prof Tim Hess , Cranfield University
Kate Pringle , Institute of Natural Resources, South Africa |
| 16:05 | Legacies, gaps, subterfuge and echo-chambers: Reflections on the absence of managed water re-allocation
Prof Bruce Lankford , School of International Development, UEA | 16:45 | The joint water allocation plan in the Mara river basin
Abdulkarim H Seid , NBI Secretariat | 17:25 | Summary points and next steps
Abraham Amali , Cologne University of Applied Sciences (tbc) |
| 16:20 | Limits to real water saving: Options for water efficiency v productivity in agriculture under water scarcity
Louise Whiting , FAO | 16:55 | Solar irrigation: A sustainable solution for all?
Meredith Giordano , IWMI | 17:30 | End of session |

Wednesday | 29 August | 16:00–17:30

Exhibition Hall

Innovation spotlight: Meet Imagine H2O's urban drinking water challenge winners (16:00–16:30)

Convenors: 11th Hour Racing, Bluewater Group and Imagine H2O

The winning startups of Imagine H2O's 2018 urban drinking water challenge will discuss their innovative technologies, commercialization strategies and broader vision for deployment at scale.

The challenge empowers, sustains and deploys decentralized drinking water solutions to help solve urban drinking water scarcity and secure measurable progress towards SDG 6. Founding Challenge Partners, Bluewater Group and 11th Hour Racing, have committed up to \$1 million in deployment awards and investment opportunities. By unlocking financial resources for validation, the competition creates the necessary proof points to incentivize full-scale deployment while sharing the opportunities and challenges to inspire wider adoption.

Jeremy Pochman, Co-founder and Strategic Director of 11th Hour Racing, and Anders Jacobson, President of Stockholm-based Bluewater Group, will interview and moderate the session with the Challenge winners.

Sofa

Innovative financing mechanisms for water scarcity in agriculture



Room:
FH 307

Convenors: CIRAD, Climate-KIC, EIB, FAO, IFAD, OECD, World Bank and WBCSD

The threat posed by water scarcity in agriculture calls for innovative and sustainable funding mechanisms. This event will share emerging financing options that have been identified and the opportunities that they offer to fund interventions aimed at alleviating water scarcity in agriculture in the face of climate change.

Event

16:00	Welcome, objectives and expected outcomes Facilitator: Michael Schulte , World Bank	16:25	Responses in the context of the four basic steps (grants, pilot, blended finance, international support) IFAD, OECD, World Bank	16:50	Responses in the context of the four basic steps (grants, pilot, blended finance, international support) IFAD, OECD, World Bank
16:05	WASAG perspective Ruhiza Boroto , FAO	16:40	Wrap up Facilitator: Michael Schulte , World Bank	17:05	Wrap up Facilitator: Michael Schulte , World Bank
16:10	Proposed framework for innovative financing mechanisms Daniel Zimmer , Climate-KIC	16:45	Case study 2 by WASAG working group on drought preparedness Daniel Tsegai , UNCCD	17:10	Proposed support strategy Mawira Chitima , IFAD Daniel Zimmer , Climate-KIC
16:20	Case study 1 by WASAG working group on water and migration Julienne Roux , GWP			17:25	Way forward/next steps Michael Schulte , World Bank
				17:30	End of session

Wednesday | 29 August | 16:00–17:30

One billion left behind: Making global water efforts disability inclusive

Room: FH 300

Convenors: Sida, World Bank and WaterAid

SDG 6 can only be achieved if inclusive approaches are adopted at scale. This session will help to improve practice, deepen policy commitments, and accelerate progress towards universal access, building on growing experience in the water sector of approaches that are inclusive of people with disabilities, older people and carers.

Event

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| <p>16:00 Welcome
Safia Nalule Juuko, Human Rights of Women and Girls with Disabilities, Member of Parliament in Uganda</p> | <p>16:25 Panel Discussion on disability inclusive global water efforts
Moderator: Safia Nalule Juuko, Human Rights of Women and Girls with Disabilities, Member of Parliament in Uganda
Tanoisochi Lase, Ministry of Public Works and Housing, Indonesia
Rachel Jolly Water, DFAT
Megan Tucker, UNICEF
Chelsea Huggett, WaterAid</p> | <p>16:55 Round table workshop on the following themes</p> <ul style="list-style-type: none"> • Taking disability inclusion efforts to scale • Taking disability inclusion 'beyond ramps' <p>17:25 Summary and wrap-up
Safia Nalule Juuko, Human Rights of Women and Girls with Disabilities, Member of Parliament in Uganda</p> <p>17:30 End of session</p> |
| <p>16:10 Disability Inclusion at scale, Indonesia
Tanoisochi Lase, Ministry of Public Works and Housing, Indonesia</p> | | |
| <p>16:20 Disabling menstrual barriers research, Nepal
Chelsea Huggett, WaterAid</p> | | |

Share, conserve, develop! Balancing it all in transboundary basins?



Room: FH 202

Convenors: CI, Forest Trends, IUCN and IWMI

Transboundary stakeholders, including women, are mobilising multi-level cooperation to weigh trade-offs around shared water, energy, agriculture and ecosystems. Through inclusive planning approaches, e.g., benefit-sharing and Nexus assessments, they seek to balance development and conservation. This session will examine results of inclusive transboundary governance to derive recommendations for policy.

Event

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|---|--|---|
| <p>16:00 Introduction and setting the scene
Dr Isabelle Fauconnier, IUCN</p> | <p>16:30 Freshwater health assessment with basin-level stakeholders
Dr Derek Vollmer, CI</p> | <p>17:00 Moderated discussion with audience
Eileen Hofstetter, Global Programme Water SDC
Natasha Westheimer, Office of the Quartet
Annemiek Jenniskens, WFWP</p> |
| <p>16:10 Stakeholder-inclusive benefit opportunities assessment in the Sio-Malaba-Malakisi basin
Rose Ogara, Water Resources Authority Lake Victoria North and
Louis Mugisha, Kyoga Water Management Zone, Ministry of Water and Environment, Uganda</p> | <p>16:40 Audience reaction round 2
Moderator: Dr Chris Dickens, IWMI</p> | |
| <p>16:20 Audience reaction round 1
Moderator: Lesha Witmer, WFWP</p> | <p>16:50 Women's inclusion in transboundary groundwater resources governance
Dr Alice Aureli, UNESCO IHP</p> | <p>17:25 Closing remarks
Mark Smith, IWMI</p> <p>17:30 End of session</p> |

Wednesday | 29 August | 16:00–17:30

The trillion-dollar question: Turning safely managed finances into sustainable services

Room: FH
Little Theatre

Convenors: BMZ, CABRI, GIZ, KEWASNET, SWA and WIN

Water sector institutions need to become more effective in using the currently available resources and demonstrate clean financial management to access new sources of finance. Bringing together partners from the water and (public) finance sector, this session will identify where the current challenges lie and how they can be addressed.

Event

16:00 **Welcome and Keynote: Why and how to invest better for WASH**
Catarina de Albuquerque, SWA

16:15 **Board game**
Race your team through the maze of sector financing! Help us find new leads to overcome challenges around financial planning and absorption, project design, procurement and contract management, accountability and corruption risks.

16:55 **Panel Discussion: Which leads to follow? Towards overcoming inefficiencies and creating fiscal space for new sources of funding**

Neil Cole, CABRI
Eng. Festus Ng'eno, CEC caucus on water, forestry and mining, Council of Governors, Kenya (tbc)
Representatives from civil society and development partners

17:30 **End of session**

Using big data and earth observations for SDG 6 monitoring



Room: NL
Pillar Hall

Convenors: DHI, ESA, NASA, UNEP and US Forest Service

The earth observation and earth science communities, together with the international development community, country representatives, and UN Environment will join to discuss the potential for using satellite-based earth observation data, developed methodologies and tools for reporting on Sustainable Development Goal 6.

Event

16:00 **Welcome and brief opening remarks**
Hartwig Kremer, UNEP and **Stuart Crane**, UNEP

16:05 **Using earth observations to measure water quality**
Nima Pahlevan, NASA

16:15 **Watershed health assessments**
Raha Hakimdavar, NASA/US Forest Service

16:25 **Using earth observations to monitor water resources**
Benjamin Koetz, ESA

16:35 **Live demo: Engaging citizen science in water quality monitoring (tbc)**

16:45 **Pooling the data into intersectoral governance for in-country implementation**
Christian Tøttrup, Danish Hydrological Institute

16:55 **Panel discussion moderated by UNEP**
NASA, ESA, DHI, World Bank

17:25 **Closing remarks**

17:30 **End of session**

Wednesday | 29 August | 16:00–17:30

Water for well-being: From framework to action



Room: NL Auditorium

Convenors: FAO, Global Framework on Water Scarcity in Agriculture, IFPRI, IWMI, SIWI, World Bank and USAID

Water is a fundamental input into the wellbeing of populations, and a key determinant of child nutrition. This session frames the linkages between water and nutrition through the food security pathway, highlighting case studies across water for agriculture, irrigation, water resources management, and water sector reforms that have incorporated nutritional considerations to enhance human development impact.

Event

<p>16:00 Welcome and instructions for audience participation Moderator: Rob Bertram, USAID</p>	<p>16:25 Top 2 questions from audience (using cards)</p>	<p>17:00 Top 2 questions from audience (using cards)</p>
<p>16:05 Overview of frameworks for irrigation and water resource management impacts on child nutrition Claudia Ringler, IFPRI</p>	<p>16:30 Multiple use systems and nutrition Stephanie Maurissen, USAID</p>	<p>17:05 Interactive Q&A</p>
<p>16:15 Overview of framework for WASH impacts on nutrition and embedding water in World Bank early years framework and lending operations Claire Chase, World Bank</p>	<p>16:40 Disruptive technology in agriculture and impacts on nutrition Linda Kwamboka, m-farm</p>	<p>17:30 End of session</p>
	<p>16:50 Food security, stunting, and sustainable irrigated agriculture in Rwanda Aimee Marie Ange Mpambara, World Bank</p>	

Water stewardship collaboration for the textiles sector



Room: NL Music Hall

Convenors: GIZ, HSBC, UNGC CEO Water Mandate and WWF

Following up on last year's textile sector seminars, this session explores the challenges and opportunities around water stewardship for the textiles sector and whether efforts can be coordinated at a global level to drive further impact reduction and governance improvements in high risk regions.

Event

<p>16.00 Introduction Laila Petrie, WWF</p>	<p>16.50 Building a new approach to alignment and collaboration on collective action? <i>Panelists from the previous discussion will each propose different ideas and approaches for how to scale collective action in the textiles sector and how to best align the existing initiatives and efforts.</i> <i>The audience will have the opportunity to pose questions before voting to evaluate the approaches, to select what they believe the best model of scale up and alignment will be.</i></p>	<p>17:30 End of session</p>
<p>16.10 Panel discussion: What have we learned so far from doing collective action? What are the big opportunities to do it better? <i>Featuring leading brands, government organisations and NGOs/implementing partners</i></p>		

Wednesday | 29 August | 16:00–22:30

Why can't a tailor fly a plane? (16:00–16:45)

Room: NL 253

Convenors: Government of Ethiopia, IRC and UNICEF

Ethiopia is currently introducing rural public water utilities to reduce levels of non-functionality of rural water systems whilst at the same time to improve service levels to achieve the SDG and GoE growth and transformation plan targets.

Showcase

- | | | | |
|-------|--|-------|---|
| 16:00 | Welcome, showcase introduction and thematic definitions | 16:20 | Fish bowl: 'Big fish statements and discussion |
| 16:02 | Film/animation: "We have a situation" | 16:40 | Launch of public rural utility guideline and closure: Where do we take it from here? |
| 16:07 | Welcome remarks: The global need to rethink rural water supply | 16:45 | End of session |
| 16:10 | Ethiopia: Rural public utility model and regulatory roadmap as key pillar of Ethiopia's climate resilient ONEWASH programme | | |

Stockholm Water Prize

The 2018 Stockholm Water Prize, in honour of Professor Bruce Rittmann and Professor Mark van Loosdrecht, will be presented by H.R.H. Crown Princess Victoria of Sweden in the Stockholm City Hall. Her Royal Highness will be present at the Royal Award Ceremony and the following Banquet. The Princess's presence, the exclusive entertainment and the beautiful interiors of the Stockholm City Hall will make this event both glamorous and unforgettable.

Dress code: Black tie

This exclusive event is by invitation, but a limited amount of tickets are available for purchase. Price: SEK 3750 (incl. VAT) per person. Contact registration desk.

Award Ceremony
and Royal Banquet
Stockholm City Hall

16:30–22:30

The Founders of the Stockholm Water Prize are: Bacardi, Europeiska ERV, Poul Due Jensen Foundation, Ragn-Sells, Water Environment Federation, Xylem Inc. and Ålandsbanken. The convenor of this session is SIWI in collaboration with the City of Stockholm.

Wednesday | 29 August | 17:00–17:45

Beyond toilets: Moving to ODF+ in Indian cities



Room: NL 253

Convenors: CEPT University, Gates Foundation and WSUP

The showcase will review experiences of cities in India that have moved from being ODF to ODF+ by managing their fecal sludge. These experiences are now being scaled up nationwide and provide important lessons in financing, governance and capacity building of local governments and private sector enterprises.

Showcase

17:00 **Opening Remarks**

Moderator: **Danielle Pedi**, Gates Foundation

17:05 **Presentation**

Meera Mehta, CEPT

17:25 **Presentation**

Neil Jaffery, WSUP

17:35 **Discussion**

17:45 **End of session**

Sanitation worker safety: A 5-million people strong blindspot in sanitation

Room: FH Cabaret

Convenors: Dalberg Global Development Advisors and Gates Foundation

India has 5 million sanitation workers involved in eight types of work across the sanitation value chain with extreme levels of hazard, social ostracism, and poor incomes. A Dalberg project, carried out with support from the Gates Foundation, shines a light on the problem and prepares an innovative path forward.

Showcase

17:00 **Presentation based on the study carried out by Dalberg Advisors on sanitation workers in India**

- Worker typologies, safety and livelihood risks, behavioural / social / infrastructural insights will be covered as well as a list of effective innovations that can be deployed.

17:15 **Sharing progress on the pilots that have been launched by Dalberg and other partners to help implement some of these innovations**

17:25 **Showcase of 3 key asks from the global community of organizations interested in this issue**

17:35 **Q&A**

17:45 **End of session**

Strong WASH systems: The essential element for SDG6 achievement (17:00–17:30)

Convenors: IRC, USAID and Water Resources Planning and Regulation Ministry of Water and Environment, Uganda

The delivery of safe and sustainable WASH services to everyone requires strong WASH systems, within districts and countries. This discussion will provide insight into the key elements and approaches that make up a system and identify areas of weakness. The panelists will share experiences with systems strengthening approaches including district master planning and collective action through learning alliances and will touch on the processes, challenges, and successes involved. The panelists will be representatives from government, donors, and NGOs.

The sofa discussion will begin by introducing IRC's building blocks for strong WASH systems and the role of collective action "learning alliances" as a model for driving knowledge among actors within the WASH system. The discussion will progress by examining how developing district WASH SDG master plans can serve as a vehicle for introducing systems thinking. Cases from across Africa will be used as examples.

Dataflow meets waterflow

How can hackathons provide innovation?

Convenors: GIZ

Impact Hub Stockholm
Luntmakargatan 25

18:00–20:00

Impact Hubs are centers for impactful innovation around the world. The event will trigger a discussion on how innovative solutions can provide an innovation impact in the water sector. Winners of #hack4water Brazil - at World Water Forum - will showcase solutions, present the process and join a panel with local entrepreneurs.

17:00 **Welcome and short introduction to Impact Hub Stockholm**
Jesper Kjelleras, Founder, Impact Hub Stockholm

17:20 **Winners of the #hack4water Brazil present their solutions**

João Vitor Caires, Impact Hub São Paulo and winners of #hack4water

17:50 **Fish bowl - Pros and cons of hackathons in the water sector**

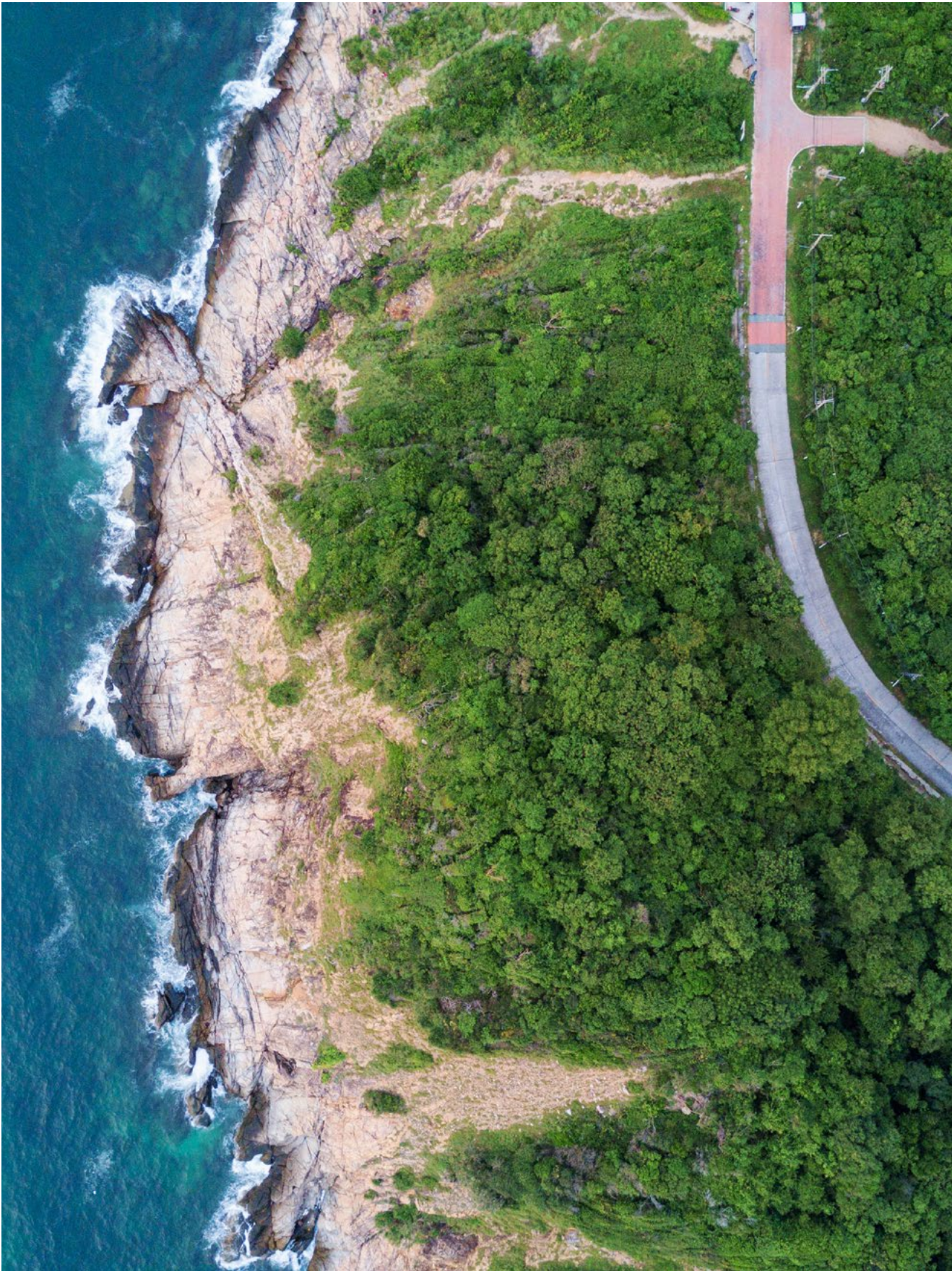
João Vitor Caires, Impact Hub São Paulo
Nick Beglinger, Cleantech 21
SIWI (tbc)
Norrskan Foundation (tbc)

19:00 **Drinks on the rooftop of Impact Hub Stockholm**

Thursday | 30 August



Coffee 10:30–11:00
15:30–16:00
Lunch 12:30–14:00



Accountability for scaling market based sanitation financing



Room: FH Little Theatre

Convenors: ACTIAM, Amref Health Africa/Amref Flying Doctors, Aqua for All, Imarika SACCO, Ministry of Health Kenya, Sidian Bank, Take-a-Stake Fund and WASTE

Accountability refers to the natural act of taking responsibility for an action or activity. In this context, market-based sanitation financing is about the social sector supporting government to create demand and strengthening supply side, the financial institutions offer credit services and private sector creates sanitation assets and offers services.

Event

09:00	Welcome note and introduction to the session Ibrahim Basweti , Ministry of Health Kenya	09:35	Accountability for financial flows in sanitation and increasing the same - FINISH Mondial Catherine Kisamwa , Sidian Bank	10:25	Summary and wrap up Valentin Post , WASTE
09:05	Accountability for sanitation; the FINISH Model Pamela Bundi , FINISH INK	09:45	Q&A Moderator: Sarbani Bhattacharya , KPMG	10:30	End of session
09:15	The social and political angles for accountability in demand generation Martin Muchangi , Amref Health Africa	09:55	Panel discussion: Scaling up accountability measures towards the public good in sanitation and the link with sanitation financing Moderator: George Kimathi , Amref International University		
09:25	The supply side accountability mechanisms Wycliffe Mwanzi , Take- A-Stake				

Ecosystem based water management: From innovation to practice



Room: FH Congress Hall A

Convenors: Cap-Net UNDP, Natural Capital Project, SIWI and TNC

Ecosystems based water management requires convergence and integration of three main pillars: 1) seamlessly crafted policies, 2) scalable and resilient practices, 3) sound theory and innovation. This introductory first session of three will highlight practice for delivering sustainable, measurable and positive outcomes for people and nature.

Seminar

<i>Session 1 of 3: Ecosystem based water management: practice for delivering sustainable outcomes</i>	09:00	Welcome to seminar by SIWI Scientific Programme Committee Phil Graham , SMHI	09:25	Changing water management practice in Canterbury to address sustainability limits Bryan Jenkins , Environment Institute of Australia and New Zealand	09:55	Q&A
	09:05	Welcome to session 1 by moderator Themba Gumbo , Cap-Net UNDP	09:35	Floods for Food – Water Spreading Wiers turning the tide Christian Dohse , GIZ	10:25	Conclusions of session 1 by moderator Themba Gumbo , Cap-Net UNDP
	09:10	Keynote speaker on SDG 6.6 Chris Dickens , IWMI	09:45	Industry in action: case studies of ecosystem-based water management Cate Lamb , CDP	10:30	End of Session

Green landscapes for water security: Measuring and modeling hydrologic benefits

Room: NL 357

Convenors: AGWA, Forest Trends, IDB and RTI International

The business case for watershed conservation programs assumes that integrated action to manage terrestrial and aquatic ecosystems will preserve or restore long-term water yield and sediment control. This session will review the state of the science and recent attempts to quantify such benefits via hydrological monitoring and modeling.

Event

- | | | |
|--|---|---|
| <p>09:00 Welcome by moderator</p> <p>09:05 Known and unknown benefits flowing from source water protection: Predicting impacts of land management on baseflow, recharge, and flood mitigation
Adrian L. Vogl, The Natural Capital Project</p> | <p>09:20 ClimateWise: Assessing program needs and potential impact of Investments in Watershed Services projects in the montane tropics of South America
Kate Brauman, ClimateWise (a Belmont Forum research project)</p> <p>09:35 The challenge of quantifying hydrological benefits of nature based solutions, view from a practitioner
Bert De Bievre, FONAG</p> | <p>09:50 Spatially-discrete modeling approach to quantify and prioritize the potential benefits of land conservation for water supply in the Southeastern USA
Katie van Werkhoven, RTI International</p> <p>10:05 Questions and panel discussion on measuring and modeling hydrologic benefits of nature-based solutions</p> <p>10:25 Summary and wrap-up by moderator</p> <p>10:30 End of Session</p> |
|--|---|---|

Room: Exhibition Hall

How is Nature contributing to SDG6? (09:00–09:30)

Convenors: Ambiotek, CI, IUCN, King's College London, Luc Hoffman Institute – WWF and UNEP-WCMC

Sofa

There have been many attempts to conceptually map the SDGs against each other and the activities of different sectors such as energy or agriculture, but there have been few attempts to map the goals' spatial requirements so that the interactions and trade-offs between them can be assessed. We are testing different approaches to combining spatial information on agricultural potential, freshwater production from natural ecosystems, biodiversity, and other values or services to society. Using the Co\$ting Nature web-based tool, with its more than 80 global datasets, we have developed a global map of nature's contributions to the SDG 6 (water).

This provides an overview of the areas of the world where nature provides the most benefits to SDG 6 in relation to co-benefits for other SDGs and potential opportunity costs of maintaining land under sustainable use to meet SDG 6 targets. These maps will help us assess questions such as, should upland river catchments be maintained as natural forest to support the goals on freshwater, carbon storage and biodiversity? Or should they be converted to agriculture to support the food security goal? We all hope that this initiative, and the resulting spatial mapping of nature's contributions to SDG 6.

Integrating WASH and nutrition to improve child growth and health

Room: NL 253

Convenors: Gates Foundation, Innovations for Poverty Action, Stanford University and The Johns Hopkins Bloomberg School of Public Health

This event will synthesize findings from the SHINE and WASH Benefits cluster-randomized controlled trials in rural Zimbabwe, Kenya, and Bangladesh. Together, the trials enrolled >19,000 pregnant women to measure the effects of improved water, sanitation, hygiene, and nutrition on length-for-age, diarrhea, and anemia in the first 2 years of life.

Showcase

09:00	Welcome Radu Ban , Gates Foundation	10:00	Audience discussion Moderator: Radu Ban , Gates Foundation
09:05	WASH benefits Bangladesh Prof Steve Luby , Stanford University	10:30	End of session
09:25	WASH benefits Kenya Clair Null , Mathematica Policy Research		
09:40	Sanitation Hygiene Infant Nutrition Efficacy (SHINE) Zimbabwe Prof Jean Humphrey , Johns Hopkins University		

Menstrual Hygiene Management: From health and social impacts to action



Room:
FH 202

Convenors: AIPH, LSHTM, Mwanza Intervention Trials Unit, UNICEF and University of Malawi - The Polytechnic

Menstrual hygiene management is a key emerging area of interest for the WASH sector and other sectors. This session will present new evidence on health and social impacts of MHM, and share evidence and programming models based on government experiences in diverse contexts.

Event

09:00	Open of session Presentations:	09:50	Panel discussion and audience Q&A
	<ul style="list-style-type: none"> • Health impact: WASH, MHM and reproductive tract infections in India • Social impact: WASH, MHM and school absenteeism in The Gambia • Psychosocial impact: WASH, MHM and psychosocial stress in Tanzania • Hardware: Absorbent interventions in communities and schools and their acceptability in Malawi • From evidence to action: A framework for MHM in school programme design and early implementation results 		<p><i>Panel of four experts (government, donor, academic) will share perspectives/ experiences and reflect on how the session content might inform policy and practice going forward.</i></p>
		10:30	End of Session

Thursday | 30 August | 09:00–10:30

P&G and partners identify priority regions... now what?



Room: NL 353

Convenors: ERM, P&G, WRI and WWF

For more than five years, P&G has been partnering to understand water risk across its value chain. This showcase will briefly introduce the risk assessment process and results used by P&G to identify priority basins. The session will then concentrate on engaging participants to help determine what's next.

Showcase

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| 09:00 Brief introduction of panelists and organizations
Shannon Quinn , P&G
Paul Reig , WRI
Lindsay Bass , WWF
Truke Smoor , Cargill (formerly Environmental Resources Management) | 09:15 Overview of P&G Water Risk Assessment Program, lessons learned, and identified priority basins |
| 09:05 Audience introductions via voting app to understand organizations present, areas of expertise, regional representation, and ongoing basin activities | 09:45 Short brainstorming break
09:55 Basin breakout sessions for small group discussion surrounding the context of key basins and crowdsourcing of ideas, lessons learned, and ongoing activities
10:30 End of Session |

Political drivers for sustainable ecosystems: Understanding peace



Room: FH 307

Convenors: PSI, SIPRI, SIWI and World Bank

Cooperatively managed, shared water systems, integral to broader ecosystems, can provide reliable services to its dependents. Conversely, inappropriate management, or conflict between sectoral policies, can lead to security challenges, particularly when ecosystems limits are being tested.

This session (abstract forthcoming) will focus on multi-national diplomacy with a political economy lens.

Seminar

- | | | |
|---|---|---|
| 09:00 Chair's Welcome
Louise van Schaik , PSI | 09:45 Moderated Panel Discussion and Q&A
Moderator: Claudia Saddoff , IWMI
Eva Svedling , State Secretary for Climate Policy, Ministry of Foreign Affairs, Sweden
Henk Ovink , Special Envoy for International Water Affairs, Kingdom of the Netherlands
Abdallah Al Dardari , World Bank
Marcelo Cruz , Brazilian National Water Agency | 10:20 Commentary
Jonty Rawlins , One World |
| 09:05 Introduction
Eva Svedling , State Secretary for Climate Policy, Ministry of Foreign Affairs, Sweden
Henk Ovink , Special Envoy for International Water Affairs, Kingdom of the Netherlands
Abdallah Al Dardari , World Bank
Marcelo Cruz , Brazilian National Water Agency | 10:25 Closing
Claudia Saddoff , IWMI | 10:30 End of Session |

Room: FH Congress Hall

SDG-Paris Agreement



Building a Resilient Future through Water (I)

Convenors: SIWI and the Resilience Shift with the support of The Rockefeller Foundation

The High-Level World Water Week dialogue session “Building a Resilient Future through Water” serves as a platform to engage a multi-stakeholder dialogue on sustainable development and climate change issues in a systematic way. Third in the series of annual events, this stocktaking session will illustrate, through a water lens, multiple angles to respond to and support the implementation of the Global Agendas (2030 Agenda, Paris Climate Agreement).

2018 High-Level dialogue session will be devoted to the Global Agendas that are addressing ecosystems, the critical role of water and human development offering comprehensive overview and constructive prospects toward the achievement of a ‘resilient future through water’. Outcomes of the session will be presented at the United Nations General Assembly and UNFCCC COP 24.



H.E Tomasz Chruszczow, Special Envoy for Climate Change, The Ministry of Environment, Poland



Audrey Azoulay, Director-General of UNESCO for Synthesis report SDG6 and HLPF



Parameswaran Iyer, Secretary, Ministry of Drinking Water and Sanitation, Government of India



Gugile Nkwini, Minister of Water and Sanitation, South Africa



Martha Rojas-Urrego, Secretary General of the Ramsar Wetlands Convention



H.E Usmonzoda Usmonali Yunusali, Minister of Energy and Water Resources of the Republic of Tajikistan



H.E Henk WJ Ovink, Special Envoy for International Water Affairs, Kingdom of The Netherlands, and Sherpa to the High-Level Panel on Water



Torgny Holmgren, Executive Director, SIWI

Policy

09:00 **Welcome and introduction**
Torgny Holmgren

09:30 **Key note message**
Parameswaran Iyer

10:25 **Concluding statement**
H.E Henk WJ Ovink

09:10 **Key note message from COP presidency**
H.E Tomasz Chruszczow (tbc)

09:30 **Panel discussion: Feedbacks from Global Agendas**
Moderator: **Maggie White**
H.E. Gugile Nkwinti (tbc)
Martha Rojas-Urrego
H.E Usmonzoda Usmonali Yunusali (tbc)

10:30 **Break**

09:20 **Key note message**
Audrey Azoulay

Social acceptance: A turning point for nature-based solutions projects? (09:00–10:30)



Room: NL Music Hall

Convenors: FWP, IUCN and Rare

This event would be designed as a multi-stakeholder discussion aimed at providing the tools both to better enhance social acceptance of nature-based solution projects and to take into account local stakeholders in their implementation, since this was identified as one of the major challenges facing the completion of such projects.

Event

09:00	Welcoming remarks Moderator: Jessica Orban , FWP	09:30	Social acceptance: catalyst, compliance, or constraint for natural infrastructure? James Dalton , IUCN	10:15	Speed presentations of recommendations and findings from the roundtable discussions
09:10	The co-benefits of agroforestry for water resource management and sustainable economic growth: shifting farmers' perceptions of nature-based solutions Tatiana Motta Grillo Guimarães , Corredor Ecológico, Vale do Paraíba	09:45	Roundtable discussions Each roundtable will be assigned a type of stakeholder involved at local level in the implementation of nature-based solutions: donors and funders; private stakeholders and companies; farmers; local authorities and government representatives; local populations. The discussions will aim at offering recommendations for shifting these stakeholders' perceptions of and behavior towards nature-based solutions.	10:25	Summary of recommendations and concluding remarks
09:20	"Pride for Watersheds": the power of Pride to build local leadership and stakeholder collaboration in Colombia Catalina Mejia , Rare			10:30	End of Session

Sustainable sewer systems and urban development with biotechnology (09:00–12:30)

Departure: Entrance FH

Convenor: Bioterapia Technologies AB

FOG (fat, oil and grease) poses a worldwide challenge to sustainable urban development. FOG clogging sewer systems entails huge costs to communities, and is also growing into an environmental problem of global proportions. Biotechnology in grease interceptors successfully solves many of these problems.

Field visit

09:00	Buses leave from Conference City Center	10:50	Energy break	Please collect your tickets for the field visit at secretariat (available from one day before)
10:00	Welcome to Bioterapia Technologies AB Niklas Axelsson , CEO of Bioterapia Technologies AB	11:10	BioConcept City Niklas Axelsson , CEO of Bioterapia Technologies AB	
10:05	Transition from traditional solutions to sustainable, eco-friendly biotechnology Niklas Axelsson , CEO of Bioterapia Technologies AB, and Joachim Åhlander , Environmental law counsel of Bioterapia Technologies AB	12:30	Q&A	
		13:00	Buses leave from Bioterapia Technologies AB	
		13:30	Buses arrive at Conference City Center	

Transboundary cooperation for sustainable hydropower – procedures & technical guidance



Room: FH 300

Convenors: GIZ, MRC and Multiconsult Norway

Participants are invited to discuss good practice of transboundary cooperation for sustainable hydropower development – underpinned by state-of-the-art design guidance and within the context of sound basin and water resources development; the Mekong experience is highlighted to trigger interaction with other river basin initiatives around the world.

Transboundary cooperation for sustainable hydropower – how can procedures & technical guidance support it?

Event

09:00 **Welcome by moderator & warm-up - statement exercise & participant feedback**
Susanne Schmeier, IHE Delft / GIZ GmbH

09:20 **Following the flow of the Mekong**
Palakorn Chanbanyong, MRC

09:40 **Facilitated Panel-Participant discussion on success factors for hydropower-related transboundary cooperation**

- Governance/legal framework;
Ebenizário Chonguiça, OKACOM
- Perspective of a Basin Organisation that currently develops notification procedures / guidelines
Kate Lazarus, IFC
- Perspective of a financing institution on private sector interests vs. basin-wide considerations and transboundary coordination needs
Peter Matt, Vorarlberger Illwerke AG
- Perspective of a private developer
Rafael Schmitt, Stanford University

- Perspective of a scientist researching system-scale planning options
Leif Lillehammer, Multiconsult Norway
- Perspective of a consultant with diverse experience in transboundary contexts
Maria Koenig, GIZ GmbH
- Perspective of an implementation agency that supports water diplomacy

10:25 **Summary and wrap-up by moderator**

10:30 **End of Session**

WASH4Work: Tools to accelerate business action on WASH



Room: NL Pillar Hall

Convenors: AWS, Diageo, GAP Inc., Global Citizen, ILO, SWA, TBC, UN Foundation, UNGC CEO Water Mandate, UNICEF, Unilever, WaterAid, WBCSD, WSSCC and WSUP

The session will explore current learnings, practices, and initiatives that can enhance business contribution to effective WASH. The session will focus on actions that businesses can take in their supply chains, in partnership with others and through the application of WASH standards to strengthen the business case for enabling positive WASH outcomes across the value chain.

Event

09:00 **Welcome and introduction**
Guy Hutton, UNICEF

09:05 **Overview of WASH4Work**
Guy Hutton, UNICEF

09:15 **Why is Strengthening the Business Case for WASH important? Presentations providing different perspectives on the topic and highlight of new guide launched by WaterAid and partners**

- WASH implementer perspective; Reminder of work to-date on Biz Case within W4W; Importance of this topic for WASH implementing partners

- Launch of the 'Strengthening the Business Case for WASH' Guide
Ruth Romer, WaterAid

Company perspective - Importance of this topic for a company

09:30 **Trial and Testing of Guide in apparel supply chains - Highlights of trial and testing of the Guide in apparel supply chains in India and Bangladesh**

09:40 **Deeper dive into the guide – 'Strengthening the business case for WASH – How to measure the value for your business'.**

Facilitated break-out discussions – factory or field scenario

10:05 **Embedding WASH within standards – Overview of how and where WASH is included within existing standards. How can standards drive the scale-up of WASH action within companies?**

10:25 **Conclusions, next steps, ways to get involved and thank you**
Guy Hutton, UNICEF

10:30 **End of Session**

World Water Day 2019: Leaving no one behind



Room: FH Cabaret

Convenor: UN-Water

In this session, participants will learn more about the forthcoming 2019 World Water Day campaign on the topic of leaving no one behind and an opportunity to identify ways to get involved.

Showcase

09:00	Welcome by 2019 World Water Day Task Force member	09:25	What does 'Leaving no one behind' mean when it comes to water? Rio Hada , UN Office of the High Commissioner for Human Rights	10:25	Wrap up by 2019 World Water Day Task Force member
09:05	Water: Big ideas and important stories Autumn Peltier , Civil Society representative Maiwen Dot Pheot Ngalueth , Refugee and Migrant representative Elodia Castillo Vásquez , Leader of the Mayan indigenous community Ch'orti	09:40	Introduction to the 2019 World Water Development Report on Leaving no one behind Stefan Uhlenbrook , WWAP	10:30	End of session
		09:55	Think, meet, talk Audience exchange with speakers and campaign engagement ideas		

Exhibition Hall

Changing water behaviour in Maghreb – challenges and approaches (10:00–10:30)

Convenors: AGIRE and GIZ

Sofa

Everyone agrees that the times of resource mobilization driven water management is over and demand management is essential to achieve an equalized water balance through a thoughtful use of available water resources. But there is widespread overuse of water even in countries suffering from water stress, like those in the Maghreb region. The question is: What can decision makers, administrations and NGOs do to enhance mindful water behavior and what can projects do to support them? The AGIRE Team Tunisia has identified three different categories of triggers (or nudges), which address our way of using water, such as regulation, financial (dis)incentives and environmental awareness. We presented the system last year in a SIWI Sofa Session.

This year we want to present the experiences we made on national and regional level using this approach and how it could be adapted and duplicated to other regions and countries. The interviewed partners will be from national and regional institutions with a high degree of experience on administrative and political level in the Maghreb countries.

Thursday | 30 August | 11:00–12:30

A new World Water Forum horizon: From Brazil to Senegal (11:00–12:30)



Room: NL 253

Convenors: 8th World Water Forum Secretariat, 9th World Water Forum organizing committee – Senegal, WWC

The co-organizers of the 8th World Water Forum will present the outcomes of the Processes, while the 9th Forum's preliminary organization will be explained. Subsequently, a discussion will follow on how to integrate those outcomes within the preparatory process of the next event, concluding with a question and answer session.

Showcase

11:00	Welcome and Opening remarks Prof Benedito Braga , President, WWC	11:35	Panel discussion: from Brazil to Senegal Facilitator: Danielle Gaillard -Picher , WWC Torkil Jønch Clausen , Chair, the Thematic Commission of the 8th World Water Forum (TBC) András Szöllösi-Nagy , Vice-Chair, the Political Process Commission of the 8th World Water Forum (TBC) Imane Abdel Al , Co-Chair, the Citizens' Process Commission of the 8th World Water Forum (TBC) Asma Bachikh , youth focal point for the Citizens' Process of the 8th	World Water Forum (TBC) Abdoulaye SENE , Chair, the 9th World Water Forum National Organizing Committee
11:05	Outcomes of the 8th World Water Forum in Brazil Ricardo Andrade , Secretariat of the 8th World Water Forum (TBC)			12:00 Q&A and General discussion
11:20	9th World Water Forum presentation: Progress and Planning Bai-Mas Taal , 9th World Water Forum-Dakar 2021 National Organizing Committee			12:25 Closing remarks Prof Benedito Braga , President, WWC
				12:30 End of Session

Diversity and inclusion in water utilities



Room: NL Music Hall

Convenors: Sida, World Bank and USAID

While there has been some attention to human resource issues within water utilities, there is relatively less so on diversity and inclusion within them. This session will bring together thought leaders, managers and female professional to talk about barriers and opportunities for women in water utilities, in an interactive discussion.

Event

11:00	Opening remarks Jennifer Sara , World Bank (tbc) Sida	11:40	Discussion with the audience and Q&A
11:10	Panel discussion Moderator: Ana Gren , Sida Judith Enaw , Secretary General, International Commission of the Congo-Oubangui-Sangha (CICOS) Representative, Kenya Water Finance Facility (TBA) Representative, USAID's Project on Women in Utilities in the Energy Sector (TBA)	12:05	Donor corner: Where do we go from here?
		12:25	Closing
		12:30	End of Session

Thursday | 30 August | 11:00–12:30

Ecosystem based water management: From innovation to practice



Room:
FH 202

Convenors: Cap-Net UNDP, Natural Capital Project, SIWI and TNC

The second session features presentations and discussions that bridge gaps between innovative frameworks, tools, and practice. Keynote speakers will showcase tools that link ecosystem-based management to planning, then World Café-style tables will allow participants and creators of state-of-the-art tools to engage interactively in discussion of barriers and bridges for adoption.

Session 2 of 3: Ecosystem Based Water Management: From Innovation to Practice

11:00 **Welcome to session 2 by moderator**

Adrian Vogl, Natural Capital Project

11:05 **Keynote speech: Natural Capital Project Case Study**

Adrian Vogl, Natural Capital Project

11:15 **Keynote speech: How much groundwater can we pump and protect environmental services?**

Dr **Tom Gleeson**, University of Victoria

2-minute presentations on innovative tools

- Moving ecosystems from “stakeholder” to “foundation” of water resource management
Derek Vollmer, CI
- Environmental report-cards support ecosystem based water management incorporating indigenous values
John Quinn, National Institute of Water and Atmospheric Research
- Development of a curated global compendium of hydro-ecological data
Simon Linke, Sustainable Water Future Project, Griffith University
- Enabling smart collaboration for the sustainable use of water
Pavel Aquino, Aqulytics

- System-wide tools for managing water and ecosystems
Marisa Escobar, SEI
- Upscaling agricultural water management indigenous knowledge practices through agro-ecological zones
Ruhiza Boroto, FAO

11:42 **World Café**

12:20 **Conclusions**
Adrian Vogl, Natural Capital Project

12:30 **End of Session**

Seminar

Green landscapes for water security: Nature-based solutions and water quantity



Room:
FH 300

Convenors: CI, Forest Trends, IUCN, RTI International, SIWI, TNC and USAID

Appropriate nature-based solutions for managing water quantity – both too little and too much water – requires good practical science to support sound policies and projects. How can we best use knowledge and tools to make decisions for managing water scarcity and floods, given uncertainties and gaps in the science?

11:00 **Welcome and Introduce the Session**

Genevieve Bennett, Forest Trends

11:10 **Key Messages from the Hydrology Models / Modeling Session**

Katie van Werkhoven, RTI

11:20 **A Hydrology Monitoring Network for the Andean Region**

Bert de Bievre, FONAG

11:35 **Design Guidelines: Nature-based Solutions and Flood Risk**

Monica Altamirano, Deltares

11:50 **Managing Forests and Fire for Water: what do we know?**

Jan Cassin, Forest Trends

12:05 **Moderated Panel / Audience Discussion - Managing for Water Quantity under Uncertainty**

Moderator: **Gena Gammie**, Forest Trends

12:25 **Close Session**

Genevieve Bennett, Forest Trends

12:30 **End of Session**

Event

Political drivers for sustainable ecosystems: Building peace



Room: FH 307

Convenors: PSI, SIPRI, SIWI and World Bank

Cooperatively managed, shared water systems, integral to broader ecosystems, can provide reliable services to its dependents. Conversely, inappropriate management, or conflict between sectoral policies, can lead to security challenges, particularly when ecosystems limits are being tested. This session will offer a regional lens into infrastructure, institutions, cooperation best-practice

Seminar

11:00 **Chair's Welcome**

Moderator: **Susanne Schmeier**, GIZ

11:05 **Regional Perspectives: Middle East Panel**

Dr **Erika Weinthal**, Duke University

Fanni Zentai, GIZ

Yana Abu Taleb, EcoPeace Middle East

11:35 **Regional Perspectives: Africa Panel**

Beteo Zongo, Wetlands International

Stefan Döring, Uppsala University

Jonty Rawlins, One World

12:05 **Commentary**

Johan Schaar, SIPRI

12:15 **Q&A for all panelists**

12:30 **End of Session**

Room: FH Congress Hall

SDG-Paris Agreement



Building a Resilient Future through Water (II)

Convenors: SIWI and the Resilience Shift with the support of The Rockefeller Foundation

The High-Level World Water Week dialogue session “Building a Resilient Future through Water” serves as a platform to engage a multi-stakeholder dialogue on sustainable development and climate change issues in a systematic way. Third in the series of annual events, this stocktaking session will illustrate, through a water lens, multiple angles to respond to and support the implementation of the Global Agendas (2030 Agenda, Paris Climate Agreement).

2018 High-Level dialogue session will be devoted to the Global Agendas that are addressing ecosystems, the critical role of water and human development offering comprehensive overview and constructive prospects toward the achievement of a ‘resilient future through water’. A strong focus on the responsibilities and actions undertaken at the local and city level to efficiently respond to the Global Agendas will be addressed. Outcomes of the session will be presented at the United Nations General Assembly and UNFCCC COP 24.



Dr **Fred Boltz**, CEO, Resolute Development Solutions and Ambassador, the Resilience Shift



Chris Morin-Eitner, Photographer



Mark Fletcher, Global Water Director, ARUP



Jean-Didier Berthault, Vice President, SIAAP and Greater Paris Metropolitan Councillor



H.E **Iyad Dahiyat**, Secretary General of the Water Authority, Jordan



Lionel Johnson, Co-chair of Mississippi River, Cities and Towns Initiative



Dr **Gisela Kaiser**, Executive Director of Water and Sanitation, City of Cape Town, South Africa



Katarina Luhr, Vice Mayor of Stockholm City



Jennifer Sara, Director, Global water Practice, World Bank Group



Torgny Holmgren, Executive Director, SIWI

Implementation at the City Level

11:00 **Introduction**
Dr **Fred Boltz**

11:10 **Once upon a time tomorrow: From architecture to photography, a different lens on our society and ecosystem symbiosis**
Chris Morin-Eitner

11:20 **Key note speaker: From the Global Agenda to Cities' action**

11:30 **Panel Discussion: Supporting the implementation of the Global Agendas at a city level**
Moderator: **Mark Fletcher**
Jean-Didier Berthault
H.E **Iyad Dahiyat** (tbc)
Mayor Lionel Johnson (tbc)
Dr **Gisela Kaiser**
Mayor Katarina Luhr
Jennifer Sara

12:25 **Conclusion**
Torgny Holmgren

12:25 **End of session**

Thursday | 30 August | 11:00–12:30

Smart water systems for improved human, environmental and economic health



Room: FH Little Theatre

Convenors: IVL Swedish Environmental Research Institute, IWRA, K-Water and Xylem

Smart Water Management has emerged as a breakthrough solution to achieving sustainable, integrated water resource management. This event explores how using real-time data to monitor, manage and forecast water resources contributes to building resilience, improved human health, protecting ecosystems, rapid decision-making, social engagement, efficient resource use and achieving the SDGs.

Active audience participation throughout the session using smart phone technology (**Bring your smart phones along to the session to actively participate in the session).

Event

11:00	Welcome by moderator	11:26	Flood and Drought Management Tool for planning in transboundary basins Katharine Cross, IWA	11:47	Active Audience and Panel Discussion on Smart Water Management Alexis de Kerchove, Xylem Inc. Stephanie Kuisma, IWRA Dr Jinsuhk Suh, K-water Katharine Cross, IWA Osten Ekengren, IVL Cléo Lossouarn, SIAAP
11:05	The Smarter water manager: Smart water solution for a resilient water future Alexis de Kerchove, Xylem Europe	11:33	SWM for groundwater management in Gotland, Sweden (IVL) Osten Ekengren, IVL	12:25	Summary and wrap-up by moderator
11:12	Lessons learned from the Smart Water Management Project Stephanie Kuisma, IWRA	11:40	Towards an Integrated Management of the Sanitation System in Paris Region: from Weather Forecast to Seine River Quality Cléo Lossouarn, SIAAP	12:30	End of Session
11:19	Improved drinking water in Paju Smart Water City, South Korea Dr Jinsuhk Suh, K-water				

The global water convention: An opportunity for transboundary water cooperation

Room: NL Pillar Hall

Convenors: BMU, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Germany Government of Chad, Government of Senegal, Government of the Netherlands, GWP – Mediterranean, IUCN, Ministry of Agriculture and Forestry, Finland, Ministry of Foreign Affairs and International Development, France, Ministry of Interior, Hungary, Swiss Federal Office for the Environment, UNECE and WWF

The accession of the first country from outside the Pan-European region to the Water Convention in 2018 is a crucial step. The event will discuss technical and political opportunities for countries and actors promoting transboundary water cooperation deriving from the Convention's globalization. National experiences of accession processes will be shared.

Event

11:00	Welcome by the moderator	11:20	Panel discussion: The global Water Convention today and tomorrow Introduction to Panel discussion: Newsflash 2030 Representative from Chad Representative from Senegal 1–2 representatives from European Parties 1–2 NGO representatives	12:00	Discussion with the audience
11:05	Opening statement			12:20	Wrap-up and closing by moderator
11:10	Presentation: The Water Convention – Responding to global water challenges			12:30	End of Session

Towards the circularization of hydroelectricity using the existing hydraulic infrastructure

Room: NL 357

Convenor: IHE Delft

This event aims at discussing strategies to implement hydropower production in the existing hydraulic infrastructure, referring to potential, feasibility and how this opens avenues to global footprint reduction. Synergistic approaches are required to achieve SDGs according to which water availability must be secured for both food and low-carbon energy production.

Event

11:00 **A not-so-hidden treasure**

Mário Franca
Miroslav Marenc

11:10 **Short presentations**

T. Emtairah
A. Schleiss
C. Carmona-Moreno
D. Hendricks

11:20 **Open debate**

12:15 **Interactive activity**

12:30 **End of Session**

Exhibition Hall

Unlocking water infrastructure financing: Adaptable approaches from across Africa (11:00–11:30)

Convenors: AWCOW, CRIDF, European Commission, GWP, Kenya Innovative Financing Facility for Water, Sida and SIWI

Sofa

Since 2016, the AMCOW, EU, Sida and SIWI, implementing the African EU Water Partnership Project (AEWPP), have partnered with CRIDF, KIFFWA, GWP and others to identify and erode targeted bottlenecks and barriers to water infrastructure projects across Africa.

With a pipeline of diverse medium sized water infrastructure projects under development, AEWPP and partners works collaboratively with project sponsors and development banks to improve the project's development impact and financial viability, and leverage private, public, and blended financing opportunities across the continent.

This Sofa will feature project sponsors and country representatives, sharing information and lessons learned to unlock financing for water infrastructure projects in Africa with special focus on trends in nexus financing.

Thursday | 30 August | 11:00–12:30

Water and faith: Acting in partnership to achieve SDG 6 (11:00–11:45)



Room: FH Cabaret

Convenors: GIZ, GWP, SIWI, Swedish Institute Alexandria, The Church of Sweden and WCC

In the spirit of SDG 17 (Partnerships for the Goals), this event marks the third annual Water and Faith event at World Water Week aiming to foster stronger partnerships and dialogue between faith-based organizations and the broader water sector to achieve SDG 6 (water and sanitation) together.

Showcase

- | | |
|---|--|
| 11:00 Welcome and Introduction
Dinesh Suna , WCC | 11:40 Invitation for Partnership
Elizabeth Yaari , SIWI |
| 11:10 High Level Panel: (5 minute statements each)
Facilitator: Francois Brikke , GWP
H.E Grand Mufti of the Hashemite Kingdom of Jordan
Mohammad Khalaileh (tbc)
Dr Olav Fykse Tveit , WCC (tbc)
Vatican Representative (tbc) | 11:45 End of Session |
| 11:30 Ignite Speech
Dr Iyad Abumoghli , UNEP (tbc) | |

Water stewardship benefit accounting: New approaches and lessons learned



Room: NL 353

Convenors: Convenors: AWS, Danone, Ecolab, Intel Corporation, L'Oréal, Mars Inc., Nestlé, Novartis International A.G., P&G, Quantis, Spadel, Valuing Nature, Veolia and WRI

This showcase will present a new methodology to quantify the benefits of investing in water stewardship, and the associate contributions to shared watershed outcomes, and SDG6 more broadly. Panelists will share lessons learned, and recommendations for how the methodology can help advance the wider water, ecosystems and human development agenda.

Showcase

- | | | |
|--|--|---|
| 11:00 Introductions, overview and objectives
Moderator: Paul Reig , WRI | 11:35 Water stewardship benefit accounting in action: lessons learned and emerging opportunities. Moderated panel discussion and audience engagement
Wendy Larson , LimnoTech
Ulrike Sapiro , The Coca-Cola Company
Carlo Galli , Nestle
Muriel Jaujou , Danone
Emilio Tenuta , Ecolab
Andrea Erickson , TNC
Scott McCready , AWS | 12:25 Wrap up
12:30 End of Session |
| 11:05 Water stewardship benefit accounting methodology <ul style="list-style-type: none">• Background and objectives
Jean-Baptiste Bayart, Quantis• Scope and requirements
Sammuel Vionnet, Valuing Nature | | |

Launch of the Stockholm Climate Security Hub (12:00–12:45)



Room: FH
Cabaret

Convenors: SEI, SIPRI, SIWI and Stockholm Resilience Centre

This showcase has a twofold purpose of a) launching a Stockholm based cross-institutional knowledge hub that will be able to support risk assessment and risk management strategies for managing climate-related security risks, b) discussing the recent developments in the UN to strengthen its capacity to address climate security.

Showcase

- | | |
|---|---|
| 12.00 Welcome and introduction
Mats Eriksson , SIWI | 12.25 Comments and questions from the audience
H.E Hassan Janabi , Minister of Water Resources in Iraq
Peter Fischer , German Foreign Office (tbc) |
| 12.05 Introducing the Climate Security Hub and recent progress on an institutional home in the UN system
Inger Buxton , Ministry for Foreign Affairs, Sweden (tbc) | 12.40 Concluding remarks
Karl Hallding , SEI |
| 12.15 Climate-related security risk assessments
Malin Mobjörk , SIPRI | 12:45 End of Session |
| 12.20 Climate, resilience and security
Victor Galaz , Stockholm Resilience Centre | |

Exhibition Hall

The future of World Water Week: an arena and beyond (12:00–12:30)

Convenor: SIWI

World Water Week is evolving in response to increasing demand as the gravity of global water crises sets in. Starting in 2019, the event will move to Tele2 Arena in Stockholm.

What is the vision for World Water Week's future? What will the new venue be like? How will things change and how will they stay the same? Join SIWI's World Water Week and Prizes Director, Gabriela Suhoschi and Partnerships and External Relations Senior Manager, Rowena Barber for a discussion on the future of the world's leading annual event on water.

SIWI has selected the new venue with the intention of creating a more holistic and inclusive Week. Tele2 Arena not only makes it possible for more people to attend, it also allows for more flexibility and networking opportunities.

"As issues of water scarcity and variability take hold all over the world, we want to ensure that World Water Week continues to evolve," says Torgny Holmgren, Executive Director, SIWI.

At its core, World Water Week is a collaborative learning experience. Nearly 400 organizations are curating this year's content by convening sessions for some 3300 participants from more than 130 countries.

Sofa

Nature-based solution and water security in LAC (14:00–14:30)

Convenor: IDB

This Sofa will be in Spanish

In Latin American and the Caribbean, where 80% of the population lives in urban areas, cities typically rely on grey infrastructure solutions. This “business as usual approach” could become unaffordable and insufficient to deal with current water security challenges. Some cities are already pioneering innovative green infrastructure solutions to overcome these challenges. Monterrey, Medellin, Sao Paulo, and San José, among others, are mainstreaming green infrastructure solutions into their investment portfolios.

We will discuss the challenges and actions that will enable Latin American cities identify and take advantage of investing in nature-based solutions to overcome their water security challenges.

Sofa

Ecosystem based water management: From innovation to practice



Room:
FH 202

Convenors: Cap-Net UNDP, Natural Capital Project, SIWI and TNC

To ensure ecosystem based approaches are sustainably imbedded in water management, we need policies that support and incentivize these innovative practices. This third seminar session will explore how policies incentivizing these practices have been implemented at local, national and global scales and what more is needed to catalyze this critical change.

Session 3 of 3: Ecosystem Based Water Management: From Policy to Practice

14:00 **Welcome to session 3**

Moderator: **Aparna Sridhar**, TNC

14:10 **Keynote speaker on water governance**

Hakan Tropp, OECD

14:20 **Keynote speaker on national water policy**

Iván Lucich Larrauri, SUNASS

14:30 **Fishbowl Introductions (5 minutes each)**

14:30 **Understanding drivers for ecosystem-based flood management: insights from three deltas**

Martijn van Staveren, Wageningen University

14:35 **Policies for ecosystem-based water management: policies to scale up ecosystem-based water**

Hannah Leckie, OECD

14:40 **Decision structure in Brazilian water management: A 2030 Agenda perspective**

Dr **Daniela Nogueira**, University of Brazilia

14:45 **Fishbowl Discussion: Interactive tool for speaker and audience engagement**

15:15 **Conclusions of session 3**

Moderator: **Kari Vigerstol**, TNC

15:20 **Conclusions to seminar by SIWI Scientific Programme Committee**

Jon Lane

15:30 **End of Session**

Seminar

Thursday | 30 August | 14:00–15:30

Om (O&M) – the mantra for sustainable water/sanitation services



Room: FH
Little Theatre

Convenors: BORDA, Caritas Switzerland, cewas, Hamburg Wasser/CAH, SuSanA, The German WASH Network, URiversity, Viva con Agua, WIN and Women Engage for a Common Future

Functioning O&M is the mantra for sustainable water and sanitation services and therefore to achieve SDG6. In this event, innovative socio-economic, financial and operational approaches to assure sustainable O&M are presented and put up for discussion by a diverse group of convenors.

Event

- | | | | |
|-------|--|-------|--|
| 14:00 | Welcome from convenors and German Federal Ministry for Economic Cooperation and Development
Daniela Krahl | 14:40 | Group work at six thematic tables |
| 14:05 | Keynote speech
Festus Ng'eno , County Executive Committee Member - Water, Environment, Energy & Natural Resources, County Government of Nakuru, Kenya | 15:20 | Summary and wrap up |
| 14:25 | Presentation of the thematic tables and approaches | 15:30 | End of session |

Parched power: Water challenges and solutions for India's power sector

Room: NL 357

Convenors: IRENA and WRI

The event will present a new analysis on how water shortages have affected India's power generation, quantifying its water demands and risks. Additionally, it will present India's NDC-based scenario analyses, and explain how sustainable development could help reduce the sector's risk to water scarcity and climate change by 2030.

Event

- | | | | |
|-------|---|-------|---|
| 14:00 | Introduction
Moderator | 14:55 | Best practices & knowledge sharing from the private sector |
| 14:10 | The water demands and risks of India's power sector
Representative, WRI | 15:10 | Q&A |
| 14:25 | Impact of renewable energy on water use in India's power sector
Representative, IRENA | 15:30 | End of Session |
| 14:40 | Information to action: What is being done? | | |

Political drivers for sustainable ecosystems: Sustaining peace



Room: FH 307

Convenors: PSI, SIPRI, SIWI and World Bank

Cooperatively managed, shared water systems, integral to broader ecosystems, can provide reliable services to its dependents. Conversely, inappropriate management, or conflict between sectoral policies, can lead to security challenges, particularly when ecosystems limits are being tested. This session (abstract forthcoming) will consider climate security, sustainable ecosystems, social stability, migration/host community adaptation

Seminar

14:00	Chair's Welcome Dan Smith , SIPRI	15:05	Commentary and open Q&A Natasha Westheimer , Office of the Quartet
14:05	Keynote – Water, Security, and International Diplomacy Jan Eliasson , SIPRI	15:10	Q&A
14:20	Coffee Conversation – Water, Security, and Social Stability Moderator: Dan Smith , SIPRI Jan Eliasson , SIPRI Belynda Petrie , OneWorld	15:25	Closing Dan Smith , SIPRI
		15:30	End of Session

Resilient policies: Achieving SDG and UNFCCC goals through water management



Room: NL Music Hall

Convenors: AGWA, Arup, ClimateIsWater Initiative, IUCN, SIWI, UNESCO IHP and WWC

Agenda 2030 and the Paris Agreement were both finalized in 2015, but their linkages are limited and as policies are difficult for countries to reconcile. Could water be the missing ingredient to reconcile these policies, enabling poverty alleviation and climate mitigation and adaptation?

Event

14:00	Welcome Dogan Altinbilek , WWC	14:20	Talanoa Dialogue: Challenges and opportunities for linking climate and development goals through water. James Dalton , IUCN Nevil Muncaster , CWRF Paul Fleming , Microsoft Jan Cassin , Forest Trends Water Initiative Lindsey Aldaco-Manner , Texas A&M University	15:20	Wrap-up and closing statement Raha Hakimdavar , U.S. Forest Service
14:05	Opening statement Torgny Holmgren , SIWI			15:30	End of Session
14:15	Moderator introductions Blanca Jiménez-Cisneros , UNESCO IHP				

Thursday | 30 August | 14:00–15:30

Solving the capacity gap to scale non-sewered and decentralized sanitation



Room:
FH 300

Convenors: ADB, Gates Foundation, BORDA and CAWST

Non-sewered sanitation is a practical solution to reach those without adequate sanitation, including in urban areas. A key bottleneck in scaling it is the lack of knowledgeable and skilled practitioners. This participatory session will explore what's working, where the best leverage is and where more effort is required.

Event

14:00 Welcome and Introductions

Introduce and frame the discussion around the 3 levels of capacities that are needed: Individual, Organizational and Enabling Environment

14:10 Individual capacity

Facilitated by: **Sterenn Philippe**, CAWST

- Brainstorm and categorize ways of developing capacity
- CAWST shares experience of individual capacity development in WASH using a variety of methods including competency frameworks
- Small group discussions about how this experience might be applicable to NSS, adaptations needed and challenges

14:35 Organizational capacity

Facilitated by: **Meral Kobrich**, BORDA

- Introduce organizational capacity development framework
- BORDA shares experience of building organizational capacity for sanitation
- Small group discussion to explore which aspects of organizational capacity are the most urgently needed for organizations working on NSS

15:00 Enabling environment

- Introduces vision of thriving ecosystem of decentralized sanitation partners
Danielle Pedi, Gates Foundation

Panel discussion:

Danielle Pedi, Gates Foundation
Orsoo Lkhagvatseden, Ministry of Construction and Urban Development, Mongolia
Thomas Panella, ADB

Q&A

15:25 Closing and thanks

15:30 End of Session

The AfricaSan movement: Setting the sanitation agenda in Africa



Room: NL 353

Convenor: AfricaSan International Task Force

Over the past decade, AfricaSan drove the sanitation agenda in Africa. With the new global agenda and adoption of the N'gor commitments, the AfricaSan International Task Force, led by AMCOW representing all African countries, is leading the preparation for AfricaSan5 and achieving universal sanitation and hygiene in Africa.

Showcase

14:00 Welcome by AfricaSan

International Task Force Chair and Technical Support Agency
Dr **Canisius Kanangire**, AMCOW
Lizette Burgers, UNICEF

14:05 The Ngor Commitments and themes for AfricaSan5

Kitchinme Bawa, AMCOW
Sophie Hickling, USAID WALIS

14:10 The Vision, mission, make-up of AITF and an introduction of its subcommittees

Kitchinme Bawa, AMCOW and
Kelly Ann Naylor, UNICEF

14:15 Knowledge management and emerging rural sanitation topics

AfDB-RWSSI

14:20 Advancing African urban sanitation

Urban Sanitation Subcommittee Lead, African Water Association (AFWA)

14:25 Monitoring and learning

- Membership, aims, objectives
- Ngor – from commitments to indicators, process of indicators development
- Top-line (preliminary) results of the baseline monitoring round
Sophie Hickling, USAID-WALIS
Emmanuel Chimizie, AMCOW

14:30 AfricaSan5 Conference Themes

Kelly Ann Naylor, UNICEF

14:35 World Café

- 4 x 10 mins at each café – Rural sanitation, Urban sanitation, Monitoring and learning, and AfricaSan Conference
- Subcommittees present their findings / results / achievements as they specifically relate to the AfricaSan 5 themes
- Participants provide feedback on the findings, questions, and themes

15:15 Wrap-up

Dr **Canisius Kanangire**, AMCOW and
Agathe Sector, USAID

15:30 End of session

Thursday | 30 August | 14:00–15:30

The global framework for water scarcity in agriculture: Achievements



Room: FH Cabaret

Convenors: FAO, GWP, IWMI, SIWI and WASAG

This event shares the progress made by the Global Framework on Water Scarcity in Agriculture (WASAG) through an active partnership of several institutions. It will report on the recommendations received during the showcase event of the 2017 Stockholm WWW and seek further feedback from the audience on its work plan.

Showcase

14:00	Welcome, objectives and expected outcomes Torkil Jønch Clausen , WASAG	14:25	Panel discussion facilitated by the Chair with the following panelists: Claudia Ringler , IFPRI Daniel Zimmer , Climate-KIC Julia Sadoff , IWMI Ismahane A. Elouafi , ICBA (tbc) Job Kleijn , Ministry of Foreign Affairs, the Netherlands Chandra Chandra A. Madramootoo , McGill University	14:50	Questions and Answers - All participants - Interactive discussion with the panelists
14:05	Opening remarks Olcay Unver , FAO			15:25	Wrap up
14:15	Presentation: WASAG Achievements Ruhiza Boroto , FAO			15:30	End of Session

The SDG6 debating game

Room: NL 253

Convenors: Gates Foundation, GIZ, IHE Delft, SNV, SuSanA, University of Technology Sydney and WSUP

The audience will be engaged in a debating game around the trade-offs and path lock-in dilemma's of reaching SDG 6.2 and 6.3 in urban areas. A jury of utility managers and local authorities will judge the arguments and pronounce the winning side of the debate.

Showcase

14:00	Opening, explanation and set-up of the SDG 6 debate	14:50	Review of arguments
14:15	Trade-offs in urban sanitation investment choices Representative, Gates Foundation programme in Kampala (tbc)	15:10	Second Round of the SDG 6 Debate
14:20	The debating statement	15:18	Secret audience vote
14:30	First Round of the SDG 6 Debate	15:22	Verdict of the Jury Representative, MoH Indonesia, (tbc) Freya Mills , Institute for Sustainable Futures Sydney, Australia.
14:45	Perspectives on leaving no-one behind in urban settings Maria Carreiro , SNV Indonesia	15:30	End of Session

Thursday | 30 August | 14:00–17:30

Urban ecosystem services – the example of Stockholm Royal Seaport (14:00–17:30)

Departure:
Entrance FH

Convenor: City of Stockholm

Experience a full-scale urban district as an example where methods and tools for ecosystem services have been developed and tested. The R&D project C/O City has contributed to estimates and studies of ecosystem services as efficient, economic solutions in urban development.

Field visit

14:00 **Ecosystem services in Stockholm Royal Seaport**
Christina Wikberger, Project leader at the Environment Administration

15:00 **Coffee break**

15:30 **Study field visit in Stockholm Royal Seaport**

17:30 **End of field visit**

Please collect your tickets for the field visit at secretariat (available from one day before)

Water Stewardship: Partnership and financing models for scale (14:00–15:30)



Room: NL
Pillar Hall

Convenors: 2030 Water Resources Group, AWS, IWaSP, World Bank, UNGC CEO Water Mandate, WBCSD and WWF

The event brings together catalytic initiatives and organizations to showcase existing and identify new partnership and financing models for water stewardship. By highlighting the complementarity of stakeholder initiatives, the event will make the case for pooling the thought leadership, networks and knowledge of organizations to drive scale.

Event

14:00 **Welcome and Introduction**

Break-out table discussions on the country context and stage of water stewardship engagement, with open brainstorming on future course of action.

South Africa

(Relatively mature stewardship initiative)

14:05 **Statement of Intent (SOI) for Coordinated Action on Water Stewardship**

- Commitment to improve collaboration on water stewardship among co-conveners
- Invitation to other stakeholders to partner on water stewardship
- Highlights of successful collaborative action models in-country
- Initial ideas for implementation of the SOI

India

(Adapting stewardship to the local context)

- What is the role of business in stewardship?
- How should area-based and sectoral initiatives be prioritized?

- What are the lessons emerging from the South Africa collaboration?

- What financing mechanisms were adopted?
- Are there opportunities for scale-up and replication?

Brazil

(Nascent stewardship initiative)

- What are the most critical elements to consider in the design of a new stewardship initiative?
- Who should take the lead to play the role of convenor?

15:15 **Plenary Discussion on Way Forward**

- Identified partnership and financing models for collaboration
- Potential areas for future action

14:30 **Country Engagements – Collaboration on Water Stewardship – World Café**

15:30 **End of Session**

Follow up on HLP ‘Building a resilient future through water’ (15:00–15:30)

Convenors: SIWI and the Resilience Shift

Water is key to the success of all the Sustainable Development Goals, SDGs, and therefore essential for delivering on the 2030 Agenda that aims to transform our world into the future we want. It is also a key enabling factor for delivering on the other global agendas (Paris Climate Agreement, Sendai Disaster Risk Reduction, New Urban Agenda). To achieve this, a new way of managing water is needed, to make societies more resilient, sustainable and inclusive. Multi-stakeholder representatives of the water and development community presented an open letter to UN member state representations, UN agencies and other leading global organizations in the run up to the High Level Political Forum.

This initiative, lead and coordinated by SIWI and key partners, aims to build a strong momentum back to back with the HLPF and World Water Week, leading towards a final document for the UN General Assembly that calls for action and illustrates means of how it can be achieved. This SIWI Sofa will present the key initiatives announced during the High Level Dialogue session on ‘Building a Resilient Future Through Water’ that will contribute to this momentum.

Building an evidence base for WASH: linking research and practice

Room: FH 300

Convenors: Africa AHEAD, LSHTM, Richard Carter and Associates Ltd and WaterAid

There is growing interest in the sector to reduce the evidence gap on health and socio-economic impacts of WASH programmes. This event brings together academics and practitioners to examine the dangers in favouring experimental trials (e.g. using RCTs) when the complexity of contexts and interventions may render them inappropriate.

Event

16:00 **Welcome**

16:05 **Setting the scene**

Prof **Richard Carter**, Richard Carter and Associates Ltd

16:10 **Opening statements by each panellist**

Prof **Sanya Tahmina**, Office of Director General of Health Services, Bangladesh

Dr **Khairul Islam**, WaterAid Bangladesh

Dr **Guy Howard**, Department for International Development

Prof **Stephen Luby**, Stanford University

Dr **Robert Dreibelbis**, LSHTM

16:35 **Panel discussion on the following themes:**

- Identifying the right mix of research methods for complex social interventions
- Improving collaboration between government, donors, academia and NGOs
- Communicating complex science about complex interventions

17:05 **Q&A**

17:25 **Summary and wrap-up by moderator**

17:30 **End of session**

Launch of ITP's Destination Water Risk Index (16:00–16:45)



Room: NL 253

Convenors: Ecolab, Greenview and ITP

The International Tourism Partnership will present its latest research on water risk in the hotel sector. The Destination Water Risk Index, sponsored by Ecolab and created with Greenview's expertise, identifies the highest water risk locations in the world, and how this risk will materialize financially for hotels.

Showcase

16:00 **Presentation of the results of the ITP Destination Water Risk Index**

Madhu Rajesh, ITP

Emilio Tenuta, Ecolab

16:20 **Panel discussion: water stewardship in the hotel industry - Best practices and challenges of ITP member companies around water stewardship**

16:45 **End of Session**

Maneuvering towards a water safe future (16:00–16:30)

Convenors: Norwegian Church Aid and Storebrand

Maneuvering towards a water safe future - a report on water in a changing climate and guidance on how to take action.

Nordic finance institution Storebrand and international NGO Norwegian Church Aid have partnered up in order to encourage the private sector to initiate concrete action towards the Sustainable Development Goals on water. Our common interest is to learn how water and climate affects people, companies, societies and livelihoods. Together we aim to ensure that water keeps contributing to people living healthy and productive lives.

Storebrand is a leading player in the Nordic market for long-term savings and insurance. In Storebrand, sustainability

is an integral part of the core business. This means that economic, social and environmental aspects are assessed before investment decisions are taken. Storebrand has been ranked as the world's most sustainable company in the pension/finance category.

Norwegian Church Aid works with people and organisations around the world in their struggle to eradicate poverty and injustice. We help those whose needs are greatest, regardless of ethnicity, creed, political or religious affiliation. Every year, we provide over 1 million people with access to clean and safe drinking water through our water, sanitation and hygiene programmes.

Country-led asset management systems to improve WASH services



Room: NL Music Hall

Convenors: Government of Malawi, Government of Scotland, mWater and University of Strathclyde

Good asset management is critical to ensure sustainability and it reduces the perceived risk of public and private investment in new WASH infrastructure. Starting with the case study of Malawi, we illustrate how countries are combining technology with best practices in asset management to improve services within the context of SDG6.

16:00	Welcome by moderator <i>Part 1: Focus on Malawi</i>	16:20	Boots on the ground: Lessons from the national asset mapping effort in Malawi Muthi Nhlema , BASEflow	17:00	Panel discussion: Opportunities and challenges with using asset management data to inform WASH indicators
16:05	Malawi's approach to national monitoring in the context of the SDGs Speaker tbc, Government of Malawi	16:30	Q&A / interactive voting	17:15	Q&A for panelists
16:10	Beyond mapping: National asset analysis to underpin SDG6 Alexandra Miller , University of Strathclyde	16:40	<i>Part 2: Perspectives from other countries working on WASH asset management</i> Lightning talks on asset management experiences from other countries	17:25	Summary and wrap-up by moderator
				17:30	End of session

Thursday | 30 August | 16:00–17:30

Rethinking sewers

Room: NL Pillar Hall

Convenors: Programme Solidarité Eau, World Bank, University College London and University of Leeds

Too many sewer networks in developing countries fail to connect the targeted number of households and fail to serve the poor. It's time to revisit the way we approach implementing sewers: we need a shift from building infrastructure to a household-centric approach that includes the poor and informal areas.

Event

<p>16:00 Introduction to problems with conventional sewerage approaches Martin Gambrill, World Bank</p>	<p>16:45 Summary of themes/characteristics of good programs for ensuring households connect to networks Rebecca Gilsdorf, World Bank</p>	<p>17:15 Share out small group discussion highlights and wrap-up session Priti Parikh, University College London</p>
<p>16:10 Presentations on good examples of sewerage programs</p> <ul style="list-style-type: none"> • Condominial sewers in Brazil Duncan Mara, University of Leeds • pS-Eau experiences in Senegal Colette Genevoux, pS-Eau (tbc) • Slum Networking experiences in India Priti Parikh, University College London 	<p>16:55 Small group discussions Moderator: Christophe Le Jallé, pS-Eau</p> <ul style="list-style-type: none"> • How to apply these ideas/principles in practice in the places where you work • Obstacles faced in applying these approaches • Other resources that would be helpful in applying these approaches 	<p>17:30 End of Session</p>

The evolution of water risk assessment



Room: FH 202

Convenors: WRI and WWF

Since they first emerged in 2010, water risk tools and methodologies have continued to evolve. Next generation approaches are emerging, with a focus on context, food, ecosystems, and value, leveraging innovative new technologies. Join this interactive event to understand—and to help shape—the latest trends in in corporate water risk assessment.

Event

<p>16:00 Introduction and overview of session (5 min) Alexis Morgan, WWF Paul Reig, WRI</p>	<p>16:25 Audience participation in the fishbowl/Q&A</p>	<p>17:05 Audience participation in the fishbowl/Q&A</p>
<p>16:05 Trends, innovations and collaboration in corporate water risk assessment-Fishbowl fireside chat between WWF & WRI on the evolution of risk tools and lessons learned</p> <ul style="list-style-type: none"> • Water Risk Filter Ariane Laporte-Bisquit, WWF • Aqueduct Risk Atlas Rutger Hofste, WRI 	<p>16:45 How water risk is being incorporated to help shape financial debt & equity markets-The role of investors and ESG data in scaling water security – experiences, challenges and needs Ambika Jindal, ING (tbc) Magdalena Kettis, Nordea (tbc) Mike Wilkins, S&P (tbc)</p>	<p>17:25 Wrap up</p> <p>17:30 End of Session</p>

Thursday | 30 August | 16:00–17:30

Trade-offs and synergies between the sustainable development goals



Room:
FH 307

Convenors: Deltares, IHE Delft, IWC and WYN

Water-related ecosystems provide services which are key for achieving the SDGs. Nevertheless, in integrated water resources management, trade-offs need to be made between the water demand of ecosystems and the ones of other water users. This session was designed to discuss trade-offs and synergies between the sustainable development goals.

Event

16:00 **Introduction**

16:05 **Panel presentations - How to deal with trade-offs and synergies between the SDGs in practice?**

4 speakers - 4 case studies

16:45 **World Cafe - group discussions**

Participants will be separated into groups to discuss about specific challenges. Each group will synthesize and present a list of tools and/or solutions which can be used for reconciling the SDG's.

17:30 **End of session**

Water Funds Toolbox: water security solutions for Africa and globally

Room: NL 353

Convenors: AFWA, IFAD, Nairobi City Water and Sewerage Company and TNC

Join us for an interactive demonstration of new, innovative tools and experiences for addressing water security issues through nature-based solutions and sustainable watershed management. Participants will learn how these tools can help them achieve their water security and development goals through hearing the applied experience of key actors across Africa.

Showcase

16:00 **Water Funds: A Natural Solution to Global Water Security Challenges**

17:30 **End of session**

16:15 **Panel 1: Innovative Tools for Practitioners**

- An Introduction
- Lessons from the field: experience, successes, and challenges

16:50 **Panel 2: Africa Water Funds**

- An Introduction
- The Network & Partnership scaling model

Water resilience design and execution: The state of the art



Room: FH
Little Theatre

Convenor: The Resilience Shift

A technical companion to the high-level Agenda 2030 session “Building a resilient future through water”, this interactive session will profile advances in science, practice and policy related to water resilience. Participants will showcase decision support tools and design frameworks and their application in water systems, urban, and regional planning.

Showcase

16:00 **Opening energizer: Resilience through water**

Dr **Fred Boltz**, Resolute Development Solutions and the Resilience Shift

16:10 **Freshwater resilience by design: Principles and methods**

Prof **Casey Brown**, University of Massachusetts - Amherst

16:22 **City-source interdependencies and water resilience: Mexico City and the Valley of Mexico**

Sarah Freeman, University of Massachusetts, Amherst

16:34 **Urban systems planning through a water lens: The city water resilience framework**
Alexa Bruce, ARUP

16:46 **Urban water resilience solutions: decision support tools and technologies**

Representative, World Economic Forum 4IR Urban Water Initiative (tbc)

16:58 **Designing for resilience in transboundary waters**

Anjali Lohani, GWP

17:10 **Moderated interactive discussion with the audience: practicing the state of the art**

17:30 **End of session**

Book Launch: Business Models for Resource Recovery and Reuse (17:00–17:45)



Room:
NL 253

Convenors: cewas, Eawag, IFAD, IWMI, SDC and WHO

Humans generate millions of tons of waste daily, which is rich in water, nutrients and energy. This book shows how Resource Recovery and Reuse (RRR) can create livelihoods, enhance food security, support green economies, contribute to cost recovery in the sanitation chain, and ensure healthy and sustainable urban ecosystems.

Showcase

16:00 **Session opens**

Introductory presentation and comments by IWMI, SDC and IFAD

Raffle event for participants

17:45 **End of session**

Thursday | 30 August | 17:00–23:45

Exhibition Hall

Water and faith: Acting in partnership to achieve (17:00–17:30)

Convenor: SIWI

**No description was submitted before publication.
For more recent updates please visit:
<http://programme.worldwaterweek.org>**

Sofa

Mingle & Dance

Vasa Theatre

Vasagatan 19–21

19:00–23:45

Welcome to this year's Mingle & Dance, a good way to meet and mingle with other participants. This informal event is an important but relaxing gathering for all registered participants and is arranged at the magnificent Vasa Theatre in the heart of Stockholm.

Light dinner, entertainment, a dance floor, bar, and good atmosphere will be provided.

Dress code: Smart casual



Photo: Vasateatern

*This event is included in the registration fee but pre-registration is required.
Entry cards to be collected upon registration. There is a limited maximum capacity – first come, first served basis.*

Friday | 31 August



Coffee 10:30–11:00

15:30–16:00

Lunch 12:30–14:00



Room: NL Auditorium

Closing plenary

Convenor: SIWI

The Closing Plenary aims at summarizing and concluding the interesting and important outcome of 2018 World Water Week. Reflections on the discussions held during the Week will be made to answer the question “What have we learnt?” From that, we will look ahead, and identify challenges and opportunities that lay ahead of us. What important actions do we need to take, where must we act, how and with whom? When looking ahead we will also connect with the 2019 World Water Week where society and inclusiveness are at the core. High-level keynote speakers will address important topics, Key Collaborating Partners will discuss take home messages and the rapporteur team, together with the Scientific Program Committee, will present their main findings from the Week.



Torgny Holmgren
Executive Director, SIWI



Andrea Erickson
Managing Director Water Security, TNC



Alexandra V.D. Pierre
Advisor, Caribbean Youth Environment Network (CYEN), Republic of Haiti



Prof **Stefan Uhlenbrook**
Coordinator UNESCO World Water Assessment Programme



Dr **Torkil Jønch Clausen**
Chair, Scientific Programme Committee, World Water Week in Stockholm



Wambui Gichuri
Director Water Development and Sanitation, African Development Bank (AfDB)



Katarina Veem
Director International Policy & Swedish Water House, SIWI



H.E **Michelle Bachelet**
Former President of Chile, Chair of the Board of Partnership on Maternal and Child Health (tbc)

09:00 **Welcome address**
Torgny Holmgren, Executive Director, SIWI

10:20 **Coffee break**

11:35 **Leave no one behind**
H.E **Michelle Bachelet**, Former President of Chile, Chair of the Board of Partnership on Maternal and Child Health (tbc)

09:05 **Indigenous knowledge – a tool for sustainability**
Alexandra V.D. Pierre, Advisor, Caribbean Youth Environment Network (CYEN), Republic of Haiti

10:50 **Key Reflections from the 2018 World Water Week**
Moderator: **Katarina Veem**, Director International Policy & Swedish Water House, SIWI
Wambui Gichuri, Director Water Development and Sanitation, African Development Bank (AfDB)

11:50 **Closing remarks**
Torgny Holmgren, Executive Director, SIWI
Gabriela Suhoschi, Director World Water Week & Prizes, SIWI

09:20 **Reporting back panel**
Moderator: Dr **Torkil Jønch Clausen**, Chair, Scientific Programme Committee, World Water Week in Stockholm

Andrea Erickson, Managing Director Water Security, TNC
Prof **Stefan Uhlenbrook**, Coordinator UNESCO World Water Assessment Programme

12:00 **End of session**

World Water Week Code of Conduct

Each year, World Water Week brings together over 3000 people, from over 100 countries - all united by their passion to build a water wise world.

To help all participants make the most of the Week, SIWI is committed to providing a friendly, safe and inclusive environment for all, regardless of age, gender, sexual orientation, race, language, political or other opinion, national or social origin, disability, income level, religion or other status.

This code of conduct outlines SIWI's expectations for participant behaviour at the Week – both in person and online, and the consequences for unacceptable behaviour.

We invite all participants, including volunteers, speakers, staff, media, exhibitors, and partners to help us realize a safe and inclusive experience for everyone.

Expected behaviour

- Be considerate, respectful, and collaborative.
- Refrain from demeaning, discriminatory or harassing behaviour and speech.
- Be mindful of your surroundings and of your fellow participants. Alert staff if you notice a dangerous situation or someone in distress.

Unacceptable behaviour

Examples of unacceptable behaviour include: intimidating, harassing, abusive, discriminatory, derogatory or demeaning conduct. Harassment of all kinds are unacceptable such as (but not limited to): offensive verbal comments related to gender, age, sexual orientation, disability, physical appearance, race, religion, deliberate intimidation, stalking, following, harassing photography or recording, sustained disruption of talks or other events, inappropriate physical contact, and unwelcome sexual attention.

Some venues are open to members of the public; please be respectful to all visitors of these locations.

Consequences of unacceptable behaviour

Unacceptable behaviour will not be tolerated whether by participants, media, speakers, volunteers, venue staff, partners, or exhibitors.

Anyone asked to stop unacceptable behaviour is expected to comply immediately.

If a participant engages in unacceptable behaviour, the conference organizers may take any action they deem appropriate, up to and including expulsion from the conference without warning or refund.

What to do if you witness or are subject to unacceptable behaviour

If you are subject to unacceptable behaviour, notice that someone else is being subjected to unacceptable behaviour, or have any other concerns, please notify a member of staff as soon as possible. All reports will remain completely confidential.

Staff can be found in the World Water Week Secretariat onsite or you may email the contact below.

Contact information

Gabriela Suhoschi

Director, World Water Week & Prizes

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Email: gabriela.suhoschi@siwi.org



Useful information

Organizers

World Water Week is hosted and organized by the Stockholm International Water Institute (SIWI). The Professional Conference Organizer (PCO) is MCI AB.

Venue

In 2018, the Week will be held in the heart of Stockholm at Stockholm City Conference Centre.

Certain activities, such as the Stockholm Water Prize Award Ceremony and Royal Banquet, various social events and field visits, take place at other sites in Stockholm. These are indicated in this announcement.

The venue address is:

City Conference Centre
Drottninggatan 71b
or Barnhusgatan 12–14,
Stockholm, Sweden

Phone: +46 8-506 16 400
or + 46 8-506 16 500

Please visit Stockholm City Conference Centre for more information on the conference venue.

Language

The official language of the Week is English. This includes all presentations and printed material. Simultaneous interpretation is available in limited sessions.

Room capacity and fire regulations

Room capacity is regulated by the number of chairs. No standing persons are allowed in a session due to fire and security regulations. An exception applies to flexi room sessions, where standing space has been made available. However, flexi rooms have a maximum capacity which may not be surpassed. Make sure that you are on time for your specific event as capacity is limited. Once rooms reach full capacity, additional people will only be allowed entry on a “one in, one out” basis.

Websites

For information about the Week, visit www.worldwaterweek.org. For information about SIWI and our team, visit www.siw.org.

Wireless connection

WiFi will be accessible without charge and login information will be available at the venue.

Coffee and lunch

Coffee and lunch will be served every day in both venue buildings. Exact locations and times can be found on the venue map. For coffee outside of the listed serving times, participants are welcome to purchase coffee at the Markelius Café in Folkets Hus and the pop-up café outside the Marble Vault in Norra Latin.

World Water Week secretariat

Located on the bottom floor on Folkets Hus in the foyer of Dansens Hus.

Towards a more sustainable Week

SIWI is constantly striving towards making the Week more environmentally sustainable, and strongly encourages all participants to keep their personal environmental impact during the conference to a minimum.

A number of initiatives are in place to promote an environmentally sustainable meeting:

- Eco-labeled hotels
- Fair-trade and organically produced food and drinks throughout the week
- Recycling at the conference venue
- Carbon offsetting opportunities
- Striving towards a paperless conference

As part of our journey to becoming paperless, we will not be printing the official programme this year. Instead, PDF versions of the programme have been produced – both the complete programme, and one for each day, so that participants can decide if, and how much of the programme they wish to print. The entire programme will also be available offline through the World Water Week app, and a mini programme is available at the venue for quick reference.

Press kit

Accreditation – World Water Week

Press accreditation is available on-site throughout the week (a valid press pass or proof of employment as a journalist is required). [Online accreditation](#) is open until Friday 24 August.

Accreditation – Prize ceremonies

Journalists wishing to attend the Stockholm Water Prize or Stockholm Junior Water Prize ceremonies will need additional accreditation. It is not included in general press accreditation for the Week and must be completed in advance of the ceremonies. A valid press pass or proof of employment as a journalist is required. Please view full details about additional accreditation [here](#).

Press Room

The Press Room will be open from 08:00 to 18:30 daily (14:00 on Friday). It is located on the 5th floor in rooms 501-504, in Folkets Hus (entrance to the left of the main auditorium). View the venue map for details on page 12.

Online Press Room

All information and resources for press is available in the [World Water Week online press room](#) (www.worldwaterweek.org/pressroom), including information about press events, links to digital content, press releases, expert lists, contact details, and logistical information.

Interview bookings

The SIWI communications team will be on-hand to provide assistance with interview requests from accredited journalists. A list of convenor experts available for interview, with contact information, is available in the [online press room](#).

Press briefings

Press briefings will take place in the Press Room. [Click here](#) for the latest information on press events, including briefings and launches. A printed list of daily press events will also be available in the Press Room.

Press releases

In addition to being posted in the [online press room](#), links to convenor press releases will be issued daily via the media newsletter.

Press events

Making Groundwater Crises Visible

How do we respond to a crisis that is so hard to see?

Participate in Circle of Blue's Interactive broadcast from anywhere in the world.

On August 28, Circle of Blue continues its H2O Catalyst series. This broadcast explores the world's groundwater crises. Join global experts and journalists in virtual breakout groups to discuss pollution and scarcity challenges that are disrupting the lives of millions.

Presentations

PowerPoints from World Water Week sessions will be uploaded to their respective page in the Online Programme - usually within 24 hours of the session's conclusion.

Photos

All photos from the Week will be available on [Flickr](#).

Videos

All video material from the Week will be available in downloadable, broadcast quality to [SIWI's Vimeo](#) account, including plenaries, Sofas, and prize ceremonies. Typically uploaded within 24 hours of the event, they are available on mobile devices and can be easily embedded or shared through social media.

Livestreams and on-demand

Over 30 sessions will be filmed or recorded during World Water Week. Some will be livestreamed, and all will be available on-demand through [SIWI's Vimeo](#) channel within 24 hours of their conclusion. Visit the [online press room](#) for a list of livestreamed and on-demand events.

Websites

Visit [World Water Week](#) for more information about the Week or to download a pdf version of the programme. For information about SIWI and our team, visit www.siwi.org

On-site resources

A small number of computer work stations are available in the Press Room for journalists.

Note: printing services are not available.

2018 World Water Week team



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Speakers room staff



Erik Fruedental
Speakers Room



Belle Strid

Convening organizations

While World Water Week is organized by SIWI, the programme of the sessions are planned by the convening organizations.

In order to build partnerships and bring a diversity of perspectives to the Week, SIWI promotes cooperation and encourages organizations to convene at the conference. The organizations convening sessions at World Water Week 2018 are:

Acronym	Convenor
100 RC	100 Resilient Cities
	11th Hour Racing
2030 WRG	2030 Water Resources Group
	8th World Water Forum Secretariat
	9th World Water Forum organizing committee - Senegal
A4A	Aqua for All
	ACTIAM
ADB	Asian Development Bank
	adelphi
AFD	Agence Française de Développement
AfDB	African Development Bank
	Africa AHEAD
	AfricaSan International Task Force
AfWA	African Water Association
	AGIRE
	Agua de Quito
AGWA	Alliance for Global Water Adaptation
AGWC	African Groundwater Commission
AIPH	Asian Institute of Public Health
	Aither Pty Ltd
Akvo	Akvo Foundation
	Ambiotek
AMCOW	African Ministers' Council On Water
	Amref Flying Doctors
	Amref Health Africa
ANEW	African Civil Society Network on Water and Sanitation
APHRC	African Population and Health Research Center
APWF	Asia Pacific Water Forum
	Aquaya
	ARCOS Network
	ARCOWA
	Arts and Culture Council of Lagos
	Arup
	Australian Department of Foreign Affairs and Trade
AWP	Australian Water Partnership
AWS	Alliance for Water Stewardship
BGR	Federal Institute for Geosciences and Natural Resources, Germany
	Bioteria Technologies AB
	Blue Deal consortia
	Bluewater Group
BMZ	Federal Ministry for Economic Cooperation and Development, Germany
BORDA	Bremen Overseas Research and Development Association
	Bureau of Reclamation
CABRI	Collaborative Africa Budget Reform Initiative
CAF	CAF - Development Bank of Latin America
	Cap-Net UNDP
CAREC	The Regional Environmental Centre for Central Asia
	Caritas Switzerland
CAWR	Center for Advanced Water Research
CAWST	Centre for Affordable Water and Sanitation Technology
CBSA	Container Based Sanitation Alliance
	CEPT University India

Convening organizations (continued)

Acronym	Convenor
	cewas
CGAP	Consultative Group to Assist the Poor
CGIAR-A4NH	CGIAR Research Program on Agriculture for Nutrition and Health
CGIAR-FTA	CGIAR Research Program on Forests, Trees and Agroforestry
CGIAR-WLE	CGIAR Research Program on Water, Land and Ecosystems
	China Water Risk
CI	Conservation International
CIDRZ	Centre for Infectious Disease Research in Zambia
CIRAD	CIRAD - French Agricultural Research Centre for International Development
	Circle of Blue
	City of Stockholm
	City of Stockholm
	CITYTAPS
	Civil Society WASH Fund Management Facility
	Clean Team Ghana
	ClimatelsWater Initiative
	Climate-KIC
CMI	Centre for Mediteranean Integration
	Coalition Eau
CONAGUA	National Water Commission, Mexico
	Connected Dreams
	Conrad N. Hilton Foundation
	Consiglio Nazionale delle Ricerche
	CRC-Water Sensitive Cities
CRIDF	Climate Resilient Infrastructure Development Facility
CSD	CSD Engineers
CWSC	The Center for Water Security and Cooperation
	Daegu Metropolitan City
	Dalberg Global Development Advisors
	Danone
	Danone.Communities
	DEG -Deutsche Investitions- und Entwicklungsgesellschaft mbH
	Delta Alliance
	Deltares
	Department of Science and Technology, South Africa
DFID	Department of International Development UK
DGIS	Directorate-General for International Cooperation, The Netherlands
DHI	DHI Group
	Diageo
	Direction Générale de L'Eau Genève
DWFI	Daugherty Water for Food Institute
	Robert B. Daugherty Water for Food Global Institute at the University of Nebraska
DWS	Department of Water and Sanitation South Africa
	Earthwatch
	Eawag
EC	European Commission
	Ecolab
EIB	European Investment Bank
	Electrolux
ELI	Environmental Law Institute
	Emory University
	EMVIS
	Ente Acque della Sardegna
	Environmental Resources Management
	EOMAP
	e-Pact

Convening organizations (continued)

Acronym	Convenor
ESA	Ericsson European Space Agency European Commission Directorate General for Humanitarian Aid and Civil Protection EUROPEAN DYNAMICS
EWP	End Water Poverty EY
FAO	Food and Agriculture Organization of the United Nations
FDFA	Federal Department of Foreign Affairs, Switzerland Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Germany
FEMSA	Water Center for Latin America and the Caribbean FEMSA Foundation Focali Forest Trends Fundación Avina Future Earth Coasts
FWP	French Water Partnership GAP Inc.
Gates Foundation	Bill & Melinda Gates Foundation Gavagai
GEF	Global Environment Facility
GEF-IW:Learn	Global Environment Facility - International Waters: Learning Exchange and Resource Network Geneva Water Hub
GEO	Group on Earth Observations German Federal Foreign Office
GIZ	Deutsche Gesellschaft für Internationale Zusammenarbeit Global Centre of Excellence on Climate Adaptation Global Citizen Global Resilience Partnership Global WASH Cluster Global Water Challenge Gothenburg University Government of Chad Government of Ethiopia Government of Gambia Ministry of Health Government of Kenya Government of Malawi Government of Scotland Government of Senegal Government of the Netherlands Great Lakes University of Kisumu Greenbaum Foundation Greenview GRET
GSMA	GSM Association
GTFCC	Global Task Force on Cholera Control
GWOPA	Global Water Operators' Partnerships Alliance at UN-Habitat
GWP	Global Water Partnership
GWP-Med	Global Water Partnership - Mediterranean
GWRC	Global Water Research Coalition Hacksta Farm Hamburg Wasser/CAH
HELP	High-level Experts and Leaders Panel on Water and Disasters
HELVETAS	HELVETAS Swiss Intercooperation HSBC ICATALIST
ICBA	International Center for Biosaline Agriculture

Convening organizations (continued)

Acronym	Convenor
ICMM	International Council on Mining and Metals
ICRC	International Committee of the Red Cross
IDB	Inter-American Development Bank
iDE	International Development Enterprises
IDMP	WMO/GWP Integrated Drought Management Programme
IFAD	International Fund for Agricultural Development
IFC	International Finance Corporation
IFPRI	International Food Policy Research Institute
IGB	Leibniz Institute of Freshwater Ecology and Inland Fisheries
IGES	Institute for Global Environmental Strategies
IGRAC	International Groundwater Resources Assessment Centre
	IHE Delft
IIASA	International Institute for Applied Systems Analysis
IISD	International Institute for Sustainable Development
	Illovo sugar
ILO	International Labour Organization
	Imagine H2O
	Imarika SACCO
	Impact Hub Sao Paulo
	Impact Hub Stockholm
	Innovations for Poverty Action
INR	Institute of Natural Resources NPC
	Intel Corporation
	International Centre for Diarrhoeal Disease Research, Bangladesh
	International Society of Groundwater for Sustainable Development
IOM	International Organization for Migration
	IRC
IRENA	International Renewable Energy Agency
	IRIDRA
	i-San Associates
ITP	International Tourism Partnership
IUCN	International Union for Conservation of Nature
IUFRO	International Union for Forest Research Organization
	IVL Swedish Environmental Research Institute
IWA	International Water Association
IWASP	International Water Stewardship Program
IWC	International Water Centre
IWMI	International Water Management Institute
IWRA	International Water Resources Association
	Jibu
	K Group
KEWASNET	Kenya Water and Sanitation Civil Societies Network
	KfW Development Bank
KIFFWA	Kenya Innovative Financing Facility for Water
	King's College London
	KTH Royal Institute of Technology
K-water	Korea Water Resources Corporation
	L'Oréal
	Lisbon Water Center
	Loowatt
LSHTM	London School of Hygiene and Tropical Medicine
	Luc Hoffman Institute - WWF
	Lusaka Water and Sewerage Company
	Mars Inc.
	Massachusetts Institute of Technology Sloan Sustainability Initiative
	McGill University

Convening organizations (continued)

Acronym	Convenor
	Ministry for Water and Irrigation in Jordan
	Ministry of Agriculture and Forestry, Finland
	Ministry of Foreign Affairs and International Development, France
	Ministry of Foreign Affairs, The Netherlands
	Ministry of Health Kenya
	Ministry of Infrastructure and the Environment of the Netherlands
	Ministry of Infrastructure and Water Management, the Netherlands
	Ministry of Interior, Hungary
	Ministry of Water and Environment, Water Resources Planning and Regulation, Uganda
	Ministry of Water resources and Irrigation of Egypt
MITU	Mwanza Intervention Trials Unit
MRC	Mekong River Commission
	Multiconsult Norway
MWA	Millennium Water Alliance
	mWater
NAIAD	Nature Insurance value: Assessment and Demonstration Project Consortium
	Nairobi City Water and Sewerage Company
	Nairobi County Government
NASA	National Aeronautics and Space Administration
	National and Kapodistrian University of Athens
	National Drought Mitigation Center
	National Great Rivers Research and Education Center
	Natural Capital Project
NBI	Nile Basin Initiative Secretariat
NCA	Norwegian Church Aid
	Nestlé
	Nestlé Waters
	Nordea
	Novartis International A.G.
NSO	Netherlands Space Office
OAK S.A.	Organization for the Development of Crete S.A.
ODI	Overseas Development Institute
	Odling i Balans
OECD	Organisation for Economic Cooperation and Development
	Office of the President of Hungary
	Office of the UNSG's Special Envoy for Disaster Risk Reduction and Water
OHCHR	Office of the United Nations High Commissioner for Human Rights
OKACOM	The Permanent Okavango River Basin Water Commission
	Olam
	OneWorld Sustainable Investments
	Open Government Partnership
	Oregon State University
P&G	Procter & Gamble Company
	Pacific Institute
	Palladium
	PBL Netherlands Environmental Assessment Agency
	Pegasys
	Pennsylvania State University
	Pilot Program for Climate Resilience
	Plan International Sweden
pS-Eau	Programme Solidarité Eau
PSI	Planetary Security Initiative
	Quantis
	Quito Water Protection Fund
	Ramboll Water
	Ramsar Convention on Wetlands

Convening organizations (continued)

Acronym	Convenor
	Rare
	Recipharm AB
	Richard Carter and Associates Ltd
	Rights and Resources Initiative
RIVM	Dutch National Institute for Public Health and the Environment
RTI	RTI International
S2S Platform	Action Platform for Source to Sea Management
	Safe Water Network
	Sandec at Eawag
	Sanergy
	Sanivation
	Save the Children
SAWRP	South Asia WASH Results Programme
	SCS Global Services
SDC	Swiss Agency for Development and Cooperation
SEI	Stockholm Environment Institute
	SIAAP
SIANI	Swedish International Agricultural Network Initiative
Sida	Swedish International Development Cooperation Agency
	Sidian Bank
	Simavi
SIPRI	Stockholm International Peace Research Institute
SISD	Swedish Investors for Sustainable Development
SIWI	Stockholm International Water Institute
SIWI-SWH	SIWI Swedish Water House
SLSD	Swedish Leadership for Sustainable Development
	SLU Global
SMHI	Swedish Meteorological and Hydrological Institute
	SNV
	Social Finance
	SOIL
	South African Department of Environmental Affairs
	South African National Biodiversity Institute
	South Pole Group
	Spadel
SRC	Stockholm Resilience Centre
	SRM University
SSN	SouthSouthNorth
	Stanford University
	Statistics Netherlands
	Stockholm University
	Stone Family Foundation
	Storebrand
SuSanA	Sustainable Sanitation Alliance
SWA	Sanitation and Water for All
SwAM	Swedish Agency for Marine and Water Management
	Swedish Forestry Agency
	Swedish Institute Alexandria
	Swedish University of Agricultural Sciences
	SWIFT (led by OXFAM)
	Swiss Federal Office for the Environment
	Swiss NGO DRR Platform
	Swiss Red Cross
	Swiss Water and Sanitation Consortium
	Swiss Water Partnership

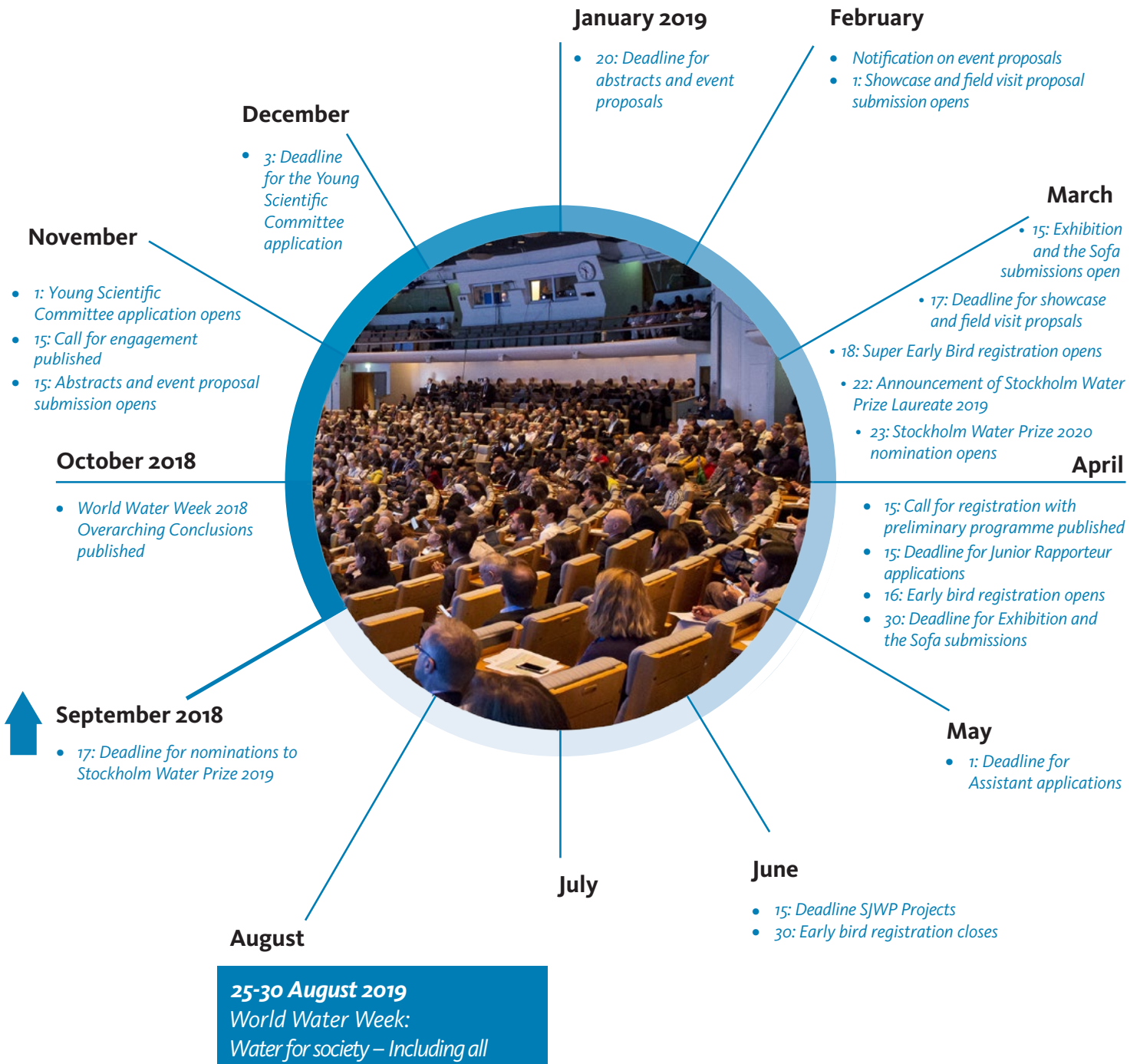
Convening organizations (continued)

Acronym	Convenor	
TBC	Take-a-Stake Fund	
	Toilet Board Coalition	
	Tecnológico de Monterrey	
	Terre des Hommes	
	Tetra Tech	
	Texas A&M University	
	The Bridge Collaborative	
	The Church of Sweden	
	The Coca-Cola Company	
	The German WASH Network	
	The Johns Hopkins Bloomberg School of Public Health	
	The Resilience Shift	
	The Rockefeller Foundation	
	The World Council of Churches	
	TNC	The Nature Conservancy
UN DESA	United Nations Department of Economic and Social Affairs	
	UN Foundation	
UNDP	United Nations Development Programme	
UNECE	United Nations Economic Commission for Europe	
UNEP	UN Environment	
	UNEP-DHI Partnership	
UNEP-WCMC	UN Environment World Conservation Monitoring Centre	
UNESCO	United Nations Educational, Scientific and Cultural Organization	
UNESCO-IHP	UNESCO International Hydrological Programme	
UNHCR	UNGC CEO Water Mandate	
	United Nations High Commissioner for Refugees	
UNICEF	United Nations Children's Fund	
	Unilever	
UNISDR	United Nations Office for Disaster Risk Reduction	
	United Purpose	
	United States Department of State	
	University College London	
	University of Birmingham	
	University of Cranfield	
	University of East Anglia	
	University of Exeter - European Centre for Environment and Human Health	
	University of Geneva	
	University of Hull International Fisheries Institute	
	University of Leeds	
	University of Malawi	
	University of Melbourne	
	University of Nebraska Lincoln	
	University of Nevada Reno	
	University of Oregon	
	University of Oxford	
	University of Strathclyde	
	University of Technology Sydney	
	University of Twente	
	UNOSD	United Nations Office for Sustainable Development
	UNSD	United Nations Statistics Division
		Untapped
UNU-FLORES	United Nations University - Institute for Integrated Management of Material Fluxes and of Resources	
UNU-INWEH	United Nations University-Institute for Water, Environment and Health	
	UN-Water	
	Upande Ltd.	

Convening organizations (continued)

Acronym	Convenor
	Urban Waters Hub (GWP/HABITAT)
	URiversity
	US Forest Service
USAID	United States Agency for International Development
USDA	US Department of Agriculture
USGS	United States Geological Survey
USWP	US Water Partnership
	Valuing Nature
VCA	Viva con Agua
	Veolia
	VIA Water
	Vitens Evides International
	Vrije Universiteit Amsterdam
WADA	Water and Development Alliance
	Wageningen University & Research
	WANA Institute
WASAG	Global Framework on Water Scarcity in Agriculture
WASREB	Water Services Regulatory Board Kenya
	WASTE
	Water Authority, Jordan
	Water For People
	Water Future
	Water Services Trust Fund
	Water.org
	Water4
	WaterAid
	WaterLex
	WaterWorX
WAVES	World Bank: Wealth Accounting and the Valuation of Ecosystem Services
WBCSD	World Business Council for Sustainable Development
WECF	Women Engage for a Common Future
	Wetlands International
WfWP	Women for Water Partnership
WGF	UNDP-SIWI Water Governance Facility
WHO	World Health Organization
WIN	Water Integrity Network
	Winrock International
WMO	World Meteorological Organization
WOC	World Ocean Council
World Bank	The World Bank Group
	World Fish Migration Foundation
WRC	Water Research Commission
WRI	World Resources Institute
	WSP
WSSCC	Water Supply and Sanitation Collaborative Council
WSUP	Water and Sanitation for the Urban Poor
WWAP	UNESCO World Water Assessment Programme
WWC	World Water Council
WWF	World Wide Fund for Nature
WWF	World Wildlife Fund
WWT	Wildfowl and Wetlands Trust
WYN	Water Youth Network
	x-runner
	Xylem
	ZDHC

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