

Presentation from the **2014 World Water Week in Stockholm**

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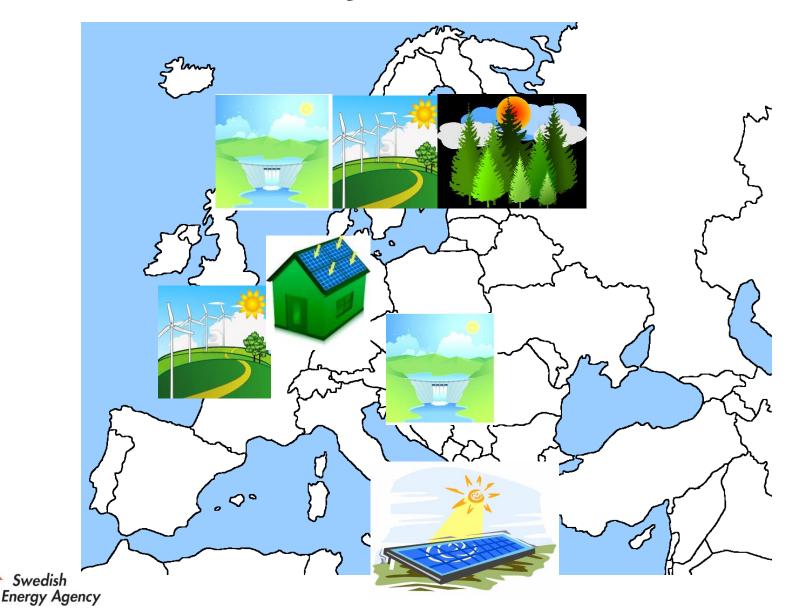
Aspects of a sun economy

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A sun economy – water a condition



Societal terms and conditions of a sun-based energy system



Multi-target analyses

- Swedish hydro power stategy energy and environmental evaluation of hydro power
- Other aspects....
- Sun economy is not only hydro power
- The importance of policy measures for the multi-target analyses



Condition of cost-effectiveness – harmonization of policy measures

- Aim a sun economy should be established cost effectively in the EU
- Condition integrated electricity market
- Integrated electricity market requires harmonization of policy measures



Harmonization of policy measures – EU framework

- EU 2020 target harmonization
- EU 2030 target harmonization of policy measures?
- National cost effectiveness vs EU cost effectiveness
- What about environmental constraints requires regional or global cooperation



Some other aspects of a sun based energy system

- Electricity storage is important
- Pumped storage power plants
- Batteries and/or hydrogen
- Electricity demand when policy supports electricity production – the energy demand in the EU

