



DEPARTMENT OF
**ECONOMIC AND
SOCIAL AFFAIRS**

Global Sustainable Water and Energy Solutions Network

*Martin Niemetz
Sustainable Development Officer
Division for Sustainable Development Goals
UN Department of Economic and Social Affairs*

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Global Sustainable Water and Energy Solutions Network

- A multi-stakeholder network
- Working towards equitable and sustainable water and energy for all
- Supporting prosperity, ecosystem integrity, robust economy and climate change objectives
- A Global Platform promoting Sustainable Solutions based on integrated approaches to water and energy
- Realizing valuable synergies and avoiding possible negative trade-offs



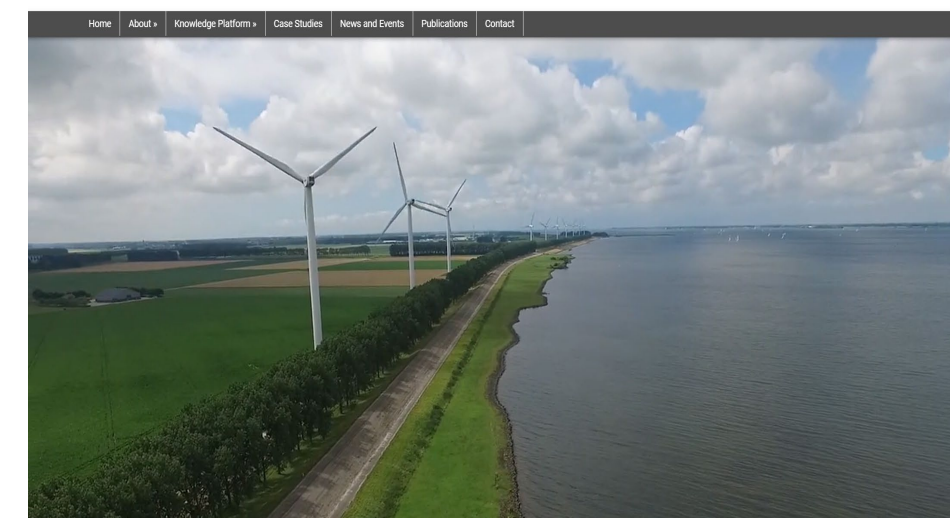
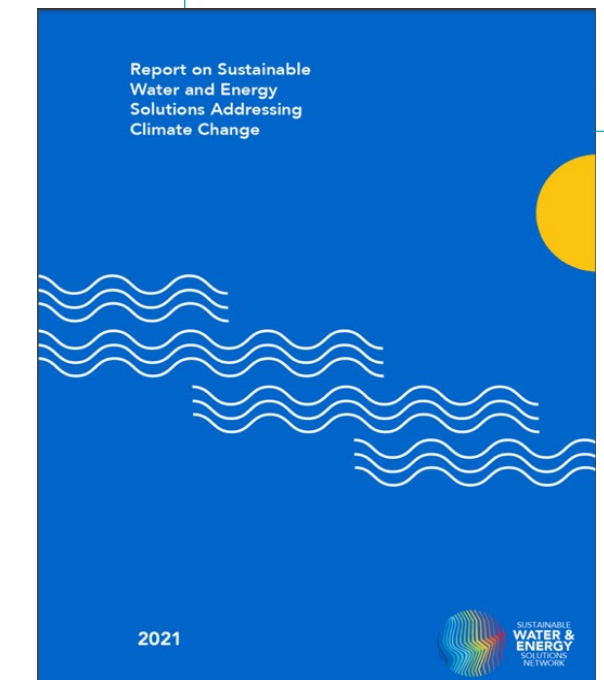
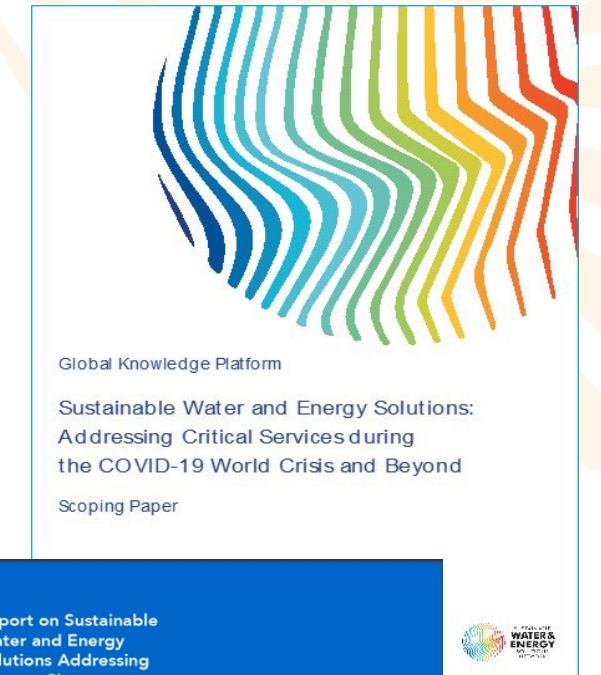
Members of the Network



Global Sustainable Water and Energy Solutions Network

Activities

- Sharing best practices, experiences and quality data
- Strengthening capacity building
- Mobilising and scaling up multi-stakeholder actions
- Enhancing advocacy, communications and outreach



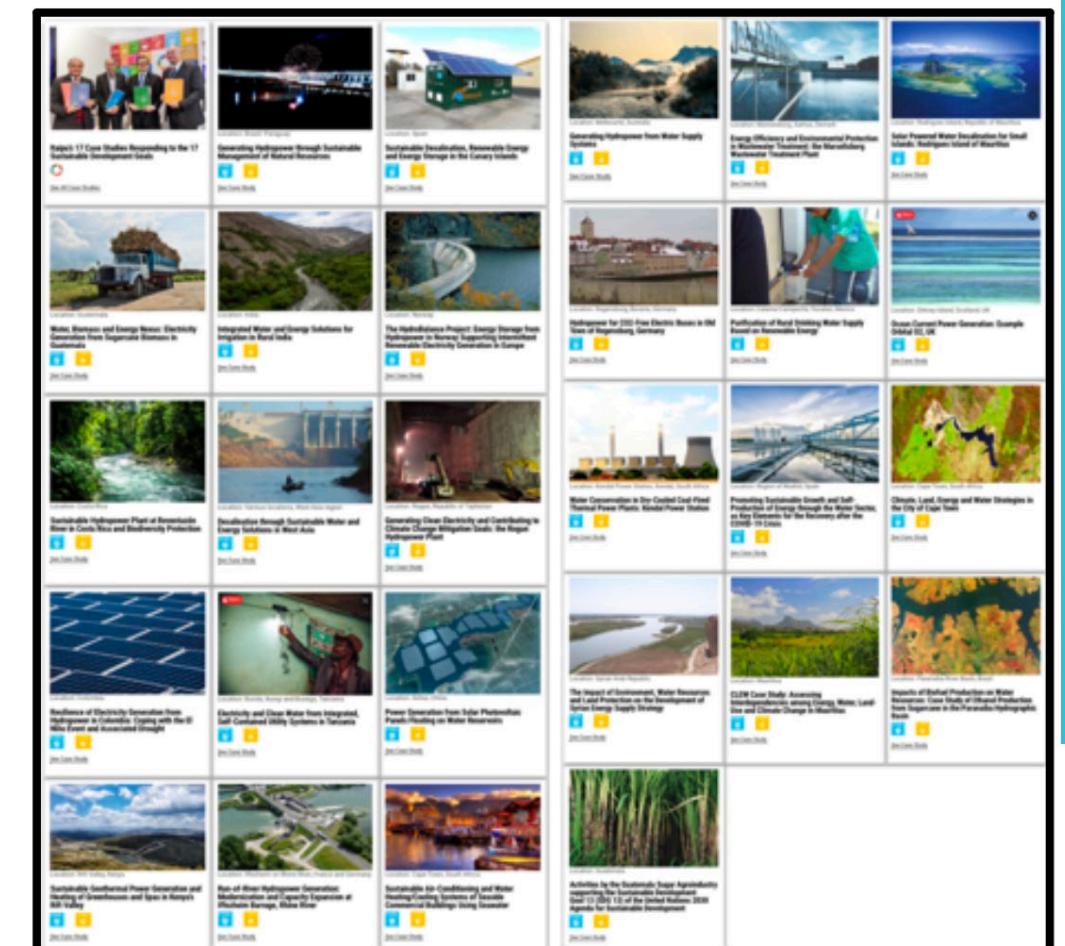
Knowledge Management & Sharing Best Practices

Global Knowledge Platform



www.un.org/en/waterenergynetwork

Case Studies



Capacity Building

Series of virtual webinars



Desalination Using Renewable Energy



Webinar on Ocean Energy



Webinar on Water and Energy Solutions Boosting Social Actions in Support of SDGs 3 and 4



Webinar on The Key Role of Biodiversity in Support of Sustainable Water and Energy Solutions, Terrestrial Ecosystems and Climate Change Objectives



Webinar on Bioenergy for Sustainable Development

8 June 2021



UNDESA - Itaipu Binacional
**SUSTAINABLE
WATER &
ENERGY**
PARTNERSHIP

Advocacy and Outreach

Global Symposium on Sustainable Water and Energy Solutions

- hosted by Itaipu Binacional at its headquarters on 13-15 June 2022
- over 400 participants, including 250 who attended in person, bringing together stakeholders from all the world regions
- initiated a truly global dialogue on effective policy, and technical and managerial approaches to energy and water, supporting sustainable development



Sustainable Water and Energy Solutions



Systems using water for Energy

- Hydropower
- Offshore Wind and floating solar PV
- Cooling systems in thermoelectric plants
- Geothermal
- Bioenergy
- Ocean Energy
- Hydrogen

Systems using energy for Water

- Water Supply
- Waste water treatment
- Desalination

Decentralized water & energy supply systems

Water-energy end use efficiency

Innovative sanitation systems

Transboundary Cooperation

- Given that 60% of freshwater globally is shared internationally, effective transboundary cooperation can be key to ensure security of supply, and improve the resilience of energy/power systems at large scales.
- Transboundary water cooperation can help making sure that investments in the energy sector are implemented peacefully and result in sustainable and equitable use of resources. In this sense, the energy sector could also help unlocking the financial resources that are needed to modernize water infrastructure and protect ecosystems.

UN Water Conference - 22-23 March 2023

- Mandated by the United Nations General Assembly
- Key themes: Water for Health, Water for Sustainable Development, Water for Climate, Resilience and Environment, Water for Cooperation, Water Action Decade
- Sustainable Water and Energy Solutions Network will organize a side-event at the conference

Questions

- What could be possible synergies and cooperation opportunities between the Sustainable Water and Energy Solutions Network and the Task Force?
- How can water and energy solutions best be promoted in transboundary contexts?
- What are the most important issues regarding the interlinkages between water and energy which should also be raised at the UN Water Conference?