Global Sustainable Water and Energy Solutions Network

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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


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
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


• 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?