

Addressing the water-energy nexus to shape a green transition for Europe

ITC facilities, Playa de Pozo Izquierdo, s/n. Santa Lucía de Tirajana. Las Palmas (Spain)

<https://www.itccanarias.org/web/en/home/about-us>

AGENDA - 28 th September 2022 - Project final event (hybrid mode)

The event will be organised in a hybrid mode, i.e. face-to-face at ITC facilities and online.

10:00 – 10:30 Welcome coffee - attendee's reception and registration (only for on-site attendees)
11:00 - 11:30 CEST

Start of online streaming

10:30 – 10:35 Introduction - Gonzalo Piernavieja, ITC R&D Director and Marisol Castro, CTA Communication Officer
11:30 - 11:35 CEST

10:35 – 10:45 EERES4WATER project impact overview
11:35 - 11:45 CEST

- How is the EERES4WATER project contributing to water-energy nexus development and European policies? - José M^a González, CTA Innovation Consultant

10:45 – 11:15 Session 1: How can the role of water-energy nexus be boosted to shape a sustainable, green transition for Europe?
11:45 - 12:15 CEST

- Governance of the Water-Energy Nexus in Western Europe: Co-produced narratives to understand and address energy dependencies of the urban water cycle - Bárbara Willaarts, ITC Senior Consultant (online) - 10 min
- Presentation of the Transnational Services on Innovative energy and Water technologies (SIEW) - Lourdes García, University of Seville Professor - 10 min
- Open innovation landscape for the Water-Energy nexus in the Atlantic area - Marta Macías, CTA Innovation Consultant - 10 min

11:15 – 11:35
12:15 - 12:35 CEST

Session 2: Use of renewable energies in the water – Energy nexus

- Use of Solar Energy in the Water-Energy Nexus - Luis Fialho and Maria Helena Novais, University of Evora professors - 10 min
- Assessment and desing of on-grid PV-SWRO pilot plant in Gran Canaria and of a pilot plant with recovered energy into water networks in Brittany - Erik Zilliox, GIP Project Manager (online) and Juan Antonio de la Fuente, ITC Project Technician - 10 min

11:35 – 11:55
12:35 - 12:55 CEST

Session 3: How to enhance energy efficiency in the water-energy nexus?

- Key Exploitation Results of University of Seville - Lourdes García, University of Seville Professor
- Improved energy-efficiency in wastewater treatment processes by modelling techniques - Reza Ahmadian, Cardiff University Professor and Arthur Man-Yue Lam, Cardiff University Research Associate

11:55 – 12:15
12:55 - 13:15 CEST

Invited project: ACLIEMAC - Santiago Díaz, Head of Section RREE ITC

12:15 – 12:40
13:15 - 13:40 CEST

Expert panel discussion - Proposals for the combication of dispatchable and other renewable sources to maximise decarbonisation of the industrial water cycle

- Moderated by Antonio Espírito, ENERAREA (Agencia Regional de energia e Ambiente do Interior) International Advisor
- Experts:
 - Salvador Suárez, Head of Dep. RREE ITC
 - Diego Alarcón, CIEMAT Research, Plataforma Solar de Almería (PSA)
 - Rafael Herrera, Director of Sustainable Development of Canaragua Concesiones, S.A. (local water Company)

12:40 – 12:50
13:40 - 13:50 CEST

Q&A and Wrap up

End of online [streaming](#)

13:00 - 14:00
14:00 - 15:00 CEST

Invited lunch (cocktail) and networking

14:30 - 15:30
15:30 - 16:30 CEST

ITC facilities visit

15:30 - 16:30
16:30 - 17:30 CEST

Visit to the MSE SWRO 33,000 m³/day desalination plant (it is close to ITC facilities)