

Canary Islands, international meeting point for R&D&i in desalination thanks to the EDS Congress

DESAL+ Living Lab platform, coordinated by ITC, has been a key factor in holding this Conference in the Islands, in coordination with the EDS. This year's congress paid tribute to Miriam Balaban, an icon in the world of desalination.

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Two high-efficiency seawater desalination pilots successfully pass to CPP phase 2

Canary Islands Institute of Technology (ITC), with the support of the Cabildo de Gran Canaria - SPEGC, promotes the experimental development of pilot scale high-efficiency desalination solutions, through a pre-commercial Public Procurement Procedure (PPP).

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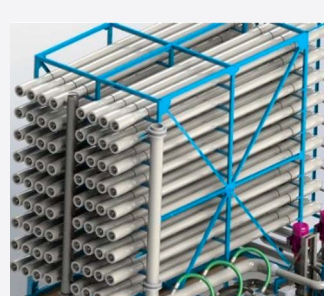

E5DES Workshop on "Desalination Capacity Improvement in Cape Verde"

On 25 May, a Workshop was held at the Uni-CV facilities at the Campus of Palmarejo Grande, Praia, in order to improve the existing capacities in the use of desalination systems in Cape Verde.

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Presentation of the COOSW project for seawater desalination by vacuum distillation

The project's principal investigator, Pedro Arnau, from the International Centre for Numerical Methods in Engineering (CIMNE), and Asier Ibeas, from the Autonomous University of Barcelona (UAB), presented the technological advances of this initiative to the stakeholders at the headquarters of the Canary Ocean Platform (PLOCAN).

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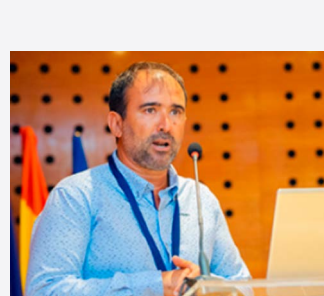
DESALRO 2.0 - the worldwide lowest energy consumption seawater RO desalination plant -, is on its way to become a reality

Its objective is to test both already existing equipment and ITC designs in order to reduce the Specific Energy Consumption (SEC) in large-scale SWRO desalination below 2 kWh/m³.

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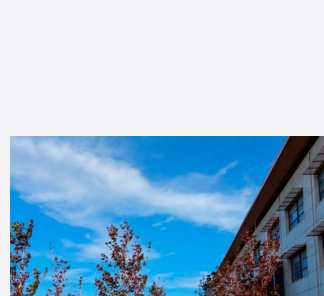

Equipment of a test bench for experimental solutions in seawater desalination brine recovery in Gran Canaria

ITC creates an area for testing and verification of brine recovery technologies with the Cabildo Insular de Gran Canaria funding, through the SPEGC.

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E5DES presents at HEXAGONE its actions to improve desalination capacities in Cape Verde

Interreg MAC 2014-2020 presented the Programme's projects at a conference held in Praia, Cape Verde, where E5DES has been present as a research project in the "Research, technological development and innovation" axis.

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Dissemination of E5DES results by the ULL in ECRES 2022 (Turkey)

The University of La Laguna (ULL), partner of the E5DES project, presented its work "Wave energy potential of the coast of the island of El Hierro for the exploitation of a Wave Energy Converter (WEC)".

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Two of the R&D lines in the E5DES project, present at the 15th edition of the International Seminar of Sustainable Regions

PhD Noemi Melián and PhD Pedro Cabrera, both researchers of the Group "Renewable Energy Systems" from the University of Las Palmas de Gran Canaria (ULPGC), presented, respectively, the direct osmosis desalination emerging technology and the Artificial Intelligence applied to desalination.

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Upcoming Related Events


-  **IWA World Water Congress & Exhibition 2022**
 PLACE: Copenhagen, Denmark
 DATE: 11/09/2022 – 15/09/2022
-  **Desalación con Energías Renovables – 2ª Edición (DESAL2)**
 PLACE: Online
 DATE: 07/10/2022 - 18/11/2022
-  **EuroMembrane 2022**
 PLACE: Sorrento, Naples, Italy
 DATE: 20/11/2022 - 24/11/2022
-  **Jornada Valorización en Desalación: Recuperación de Energía y Productos**
 PLACE: Malaga, Spain
 DATE: 24/11/2022

Recent Publications

E5DES Project

-  **Subiela-Ortín, V.J.; Peñate-Suárez, B.; de la Fuente Bencomo, J.A.** Main Technical and Economic Guidelines to Implement Wind/Solar-Powered Reverse Osmosis Desalination Systems. *Processes*, 2022, 10, 653.

ERES4WATER Project

-  **Delgado-Torres, A.M.; García-Rodríguez, I.** Solar Desalination Driven by Organic Rankine Cycles (Orc) and Supercritical CO₂ Power Cycles: An Update. *Processes* 2022, 10, 153.

See here all the scientific publications generated within the framework of the DESAL + Living Lab platform and related projects here: <https://www.desalinationlab.com/scientific-publications/>

OUR PROJECTS


DESAL+

E5DES

AQUASOST

DESAL-STARTUPS

DESALRO2.0

OUR FUNDERS


MAC 2014-2020
Cooperación Territorial

Interreg
Fondo Europeo de Desarrollo Regional

Interreg Atlantic Area
European Regional Development Fund

Cabildo de Gran Canaria
SPEGC

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