

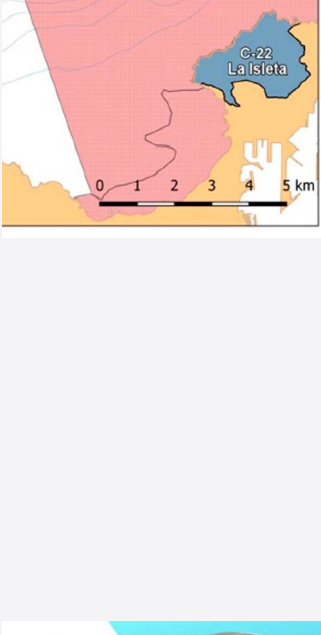
World Water Day 2022 - Groundwater - Making the invisible visible

As every 22 March, this month we celebrate the World Water Day. This year, we must congratulate ourselves for the important role that groundwater plays in our society.

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ITC explores new advanced technological developments in seawater desalination

The Technological Institute of the Canary Islands, with the support of the Cabildo de Gran Canaria, promotes the experimental development of two pilot solutions of high-efficiency sea water desalination through the Pre-commercial Public Purchase procedure.

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Several services dealing with innovative technologies on the WE nexus will be implemented within the EERES4WATER project

Within activity 5 of WP3 of the EERES4WATER project, ITC leads the "Transnational Service on Innovative Energy and Water technologies (SIEW)" in collaboration with other project partners as Technological Corporation of Andalusia (CTA), University of Seville, Cardiff University and University of Evora.

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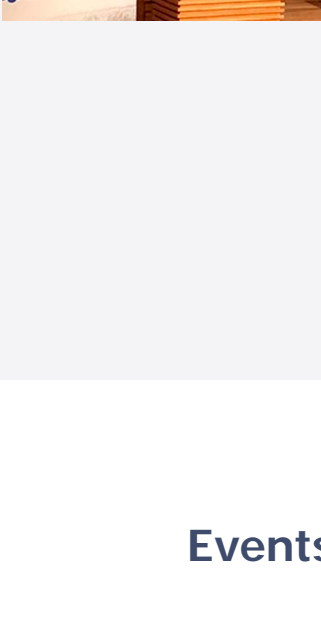

Cooperation agreement between the ITC and Toray for the use of Nanofiltration technology in brine recovery processes from seawater desalination plants in the Canary Islands

The ITC Water Department and the Korean group TORAY ADVANCED MATERIALS KOREA Inc. have reached a collaboration agreement with the aim of promoting the use of Nanofiltration technology as a pre-treatment method in brine recovery processes from seawater desalination plants in the Canary Islands.

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PLOCAN contributes to DESAL+ with a multidisciplinary analysis that lays the foundations for the application of wave energy in desalination

Within the framework established in the DESAL+ project, the technical team of the Canarian Oceanic Platform (PLOCAN) developed a technical-environmental analysis with the aim of laying the foundations for a future installation of wave energy prototypes on the north coast of Gran Canaria Island for the electricity supply required by a modelled Seawater Desalination Plant (IDAM).

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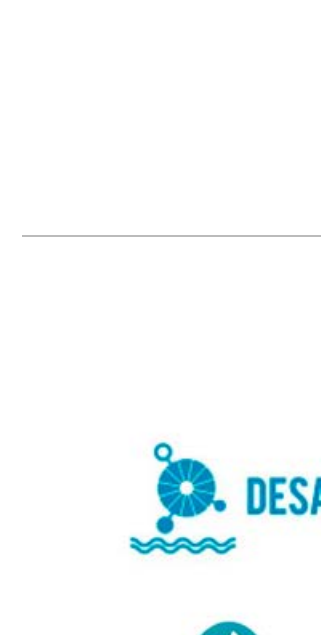
The training program in desalination receives a very positive assessment by the participants in its first edition

Successful completion of the first edition of the training program on specialization in desalination, taught mainly during 2021, organized by the Economic Promotion Society of Gran Canaria (SPEGC) in coordination with the DESAL+ LIVING LAB Platform, led by the Technological Institute of the Canary Islands (ITC) of the Autonomous Government.

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Aquasost, the new ITC project to strengthen R&D&I capabilities in the industrial water cycle in the Canary Islands

Endowed with 1.1 million regional funding, due to its public interest, the Aquasost project represents a qualitative leap in ITC's technological specialisation in water treatment and the expansion of its R&D infrastructures for testing and demonstration of new technologies.

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Study to analyse the feasibility of the design and installation of a sensorized submarine emissary for brine discharge for experimental purposes

The purpose of this emissary would be to use it for experimental purposes by companies and/or R&D centres that research and develop devices for brine discharges into the marine environment.

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The series of videos on R&D&I lines will help to better understand the ongoing work of the DESAL+ Living Lab project

These videos have been made with the aim of making visible the different lines of R&D&I currently being worked on from the Platform and thus attract international desalination projects and initiatives to the Canary Islands.

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The final event to present the results of the DESAL+ project, now available to watch again on the web

On November 23rd, 2021, the final event to present the results of the DESAL+ project took place, in which the work carried out and the main results obtained after the almost five years of life of the project was shared with the scientific-technical community.

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Events Promoted by DESAL+ LIVING LAB

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[Diseño de sistemas de desalación de aguas por ósmosis inversa, softwares y normalización de datos – 2ª Edición](#)
 PLACE: semi-presencial
 DATE: 11/03/2022 – 08/04/2022
- 
[Impacto ambiental de las tecnologías de desalación vertido de salmueras y tecnologías para minimizarlo – 2ª Edición \(DESAL2\)](#)
 PLACE: Online
 DATE: 01/06/2022 - 28/07/2022
- 
[Desalination for the Environment: Clean Water and Energy – NEW DATES!](#)
 PLACE: Las Palmas de Gran Canaria, Spain
 DATE: 20/06/2022 - 23/06/2022

Upcoming Related Events

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[IDA-SWCC DTRI International Speciality Conference on Ocean Brine Mining](#)
 PLACE: Meridien Hotel, Al Khobar, Saudi Arabia
 DATE: 21/03/2022 – 23/03/2022

DESAL+ Living Lab Recent Publications:

- 
[Ophelle Choupina, B. del Río-Gamero, Julieta Schallenberg-Rodríguez, Pablo Yáñez-Rosales. Integration of assessment-methods for wave renewable energy: Resource and installation feasibility. Renewable Energy, Volume 185, February 2022, Pages 455-482.](#)
- 
[Del Río-Gamero, Tyrone Lis Alecio, J. Schallenberg-Rodríguez. Performance indicators for coupling desalination plants with wave energy. Desalination, 2022, vol. 525, p. 115479.](#)
- 
[Avila, D., Marichal, G.N., Quiza, R., San Luis, F. Prediction of Wave Energy Transformation Capability in Isolated Islands by Using the Monte Carlo Method. Journal of Marine Science and Engineering, 2021, 9, 980.](#)

OUR PROJECTS



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