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MAC 2021-2027  
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Nº 29



## **IDIWATER, the new project for the smart specialization of the industrial water cycle, kicks off with its first partners' meeting in Gran Canaria**

The Kick-Off Meeting, with the Canary Islands partners of IDIWATER, marks the beginning of activities for this ambitious project aimed at fostering public-private cooperation in the water industry, promoting innovation and technological development in the sector.

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Do you have any innovative idea for the water sector? We want to hear about it so we can help you!

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### **Brineworks and ITC present the first pilot plant hosted at the Brine valorization test bed of DESAL+ LIVING LAB platform**

The recently launched brine valorization testbed for desalination plants, located at the ITC facilities in Pozo Izquierdo as part of the DESAL+ LIVING LAB, funded by the Cabildo of Gran Canaria through SPEGC, is a catalyst for the development of advanced technological solutions.

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### **ITC hosts the second Fast-Track School focusing on implementation, experimental campaigns, monitoring and data assessment**

In parallel with the 4th Sol2H2O Project Meeting, the 2nd Fast-Track School took place in Pozo Izquierdo, Gran Canaria (Spain), on the 25th and 26th of September. As a continuation of the first FTS that was focused on the State of the Art (SoA) of the different technologies, this second FTS contemplated the Beyond SoA (focusing on implementation, experimental campaigns, monitoring and data assessment).

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## **IDIWATER project is presented at Canagua and Energy International Fair**

Members of the DESAL+ Living Lab platform, a public-private ecosystem that brings together researchers, companies, and institutions at the regional level, participated in the 14th Canagua and Energy Fair. The event was held in Las Palmas de Gran Canaria from November 27th to 29th, featuring 89 exhibiting entities and attracting more than 1,500 visitors.

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## **IDIWATER participates in the presentation day of the MAC projects with Senegal approved in the 1st Call of the INTERREG MAC 2021-2027 Program**

On December 4th, 2024, the presentation day of the MAC projects with Senegal approved in the first call of the INTERREG MAC 2021-2027 Program was successfully held, during which the IDIWATER project was presented.

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## **ITC partners with HACH to install innovative in-line ion analyser for Nanofiltration plant**

In a significant technological advancement, the Canary Islands Institute of Technology (ITC) has collaborated with HACH to introduce a state-of-the-art in-line Calcium and Magnesium ion analyser at its Nanofiltration pilot plant.

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## **Now available the Master lecture on “Emerging contaminants in our waters: Determine to Regulate”**

On November 19th, 2024, a new session of the Master lecture series took place at the Maritime Marine Innovation Center – Fundación Puertos de Las Palmas Building. This session focused on emerging contaminants as a key

challenge for water management and environmental protection.

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## [ITC and University of Évora researchers explore brine valorisation innovations during Sicily visit for the SOL2H2O Project](#)

A delegation from ITC and University of Évora visited the University of Palermo with the aim of learning firsthand about its pioneering technologies in brine valorization from desalination plants.

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## EVENTS

### Events promoted by DESAL+ LIVING LAB

- [3rd Edition of the Specialized Training Program in Desalination DESAL+ CAP](#)  
*PLACE: Online*  
*DATE: 28/02/2024 - 06/02/2025*

### Upcoming related events

- [Value of Water Conference](#)  
*PLACE: Frankfurt, Germany*  
*DATE: 17/03/2025 - 18/03/2025*
- [Desalination for the Environment—Clean Water and Energy Congress](#)  
*PLACE: Porto, Portugal*  
*DATE: 27/04/2025 - 30/04/2025*
- [XIV CONGRESO INTERNACIONAL AEDyR '60 años de innovación en desalación y reutilización'](#)  
*PLACE: Tenerife, Spain*  
*DATE: 24/06/2025 - 26/06/2025*
- [14th World Filtration Congress \(WFC14\)](#)  
*PLACE: Bordeaux, France*  
*DATE: 30/06/2025 - 04/07/2025*

[IWA Water and Development Congress & Exhibition](#)



PLACE: Bangkok, Thailand

DATE: 08/12/2025 - 12/12/2025

## Recent Publications:

### SOL2H2O and IDIWATER Project



[A. Rivero-Falcón, Y. López-López, B. Peñate Suárez, N. Melián-Martel. Performance evaluation of nanofiltration membranes for SWRO brine valorisation: Insights from a pilot plant under real conditions. Separation and Purification Technology, Volume 359, Part 3, 2025, pp. 130774.](#)



[Avila Prats, D., San Luis Gutiérrez, F., Hernández López, Á., Marichal Plasencia, G.N. Optimal Arrangements of Renewable Energy Systems for Promoting the Decarbonization of Desalination Plants. Journal of Marine Science and Engineering, 2024; 12\(7\):1193.](#)



[Baltasar Peñate Suárez, Juana R. Betancort Rodríguez, Sigrid Arenas Urrea, Vanessa Millán Gabet, Federico León Zerpa. Propuesta de configuraciones de membranas de ósmosis inversa para la desalación de agua de mar y su adaptación al RD 3/2023. Tecnoagua, nº 68, julio-agosto 2024, pp. 66.](#)



[Chirinza, N.; Zerpa, F.A.L.; Muguirrima, P.; del Pino García, T.; Rodriguez, G.M.; Gutierrez, C.; Pino, C.A.M. Life-Cycle Analysis of natural treatment systems for wastewater \(NTSW\) applied to municipal effluents. Water 2024, 16, 2653.](#)



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/>

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### OUR PROJECTS



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