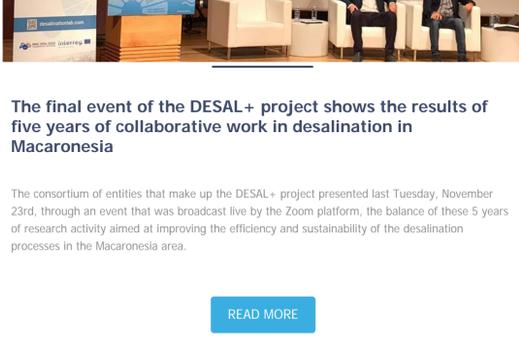


[View in browser](#)

December, 2021

Nº 17



## The final event of the DESAL+ project shows the results of five years of collaborative work in desalination in Macaronesia

The consortium of entities that make up the DESAL+ project presented last Tuesday, November 23rd, through an event that was broadcast live by the Zoom platform, the balance of these 5 years of research activity aimed at improving the efficiency and sustainability of the desalination processes in the Macaronesia area.

[READ MORE](#)

## The DESAL+ Living Lab platform adds SPEGC as a collaborating partner

The desalination R&D ecosystem coordinated by ITC together with ULPCC, ULL and ACISI which objective is optimizing the water desalination cycle, receives the adhesion of the Gran Canaria Economic Promotion Society (SPEGC) as a collaborating entity.

[READ MORE](#)

## The first Forward Osmosis pilot plant, a pioneer in Macaronesia, has completed its start-up at the WWTP in the Southeast of Gran Canaria

As a result of this demonstration pilot, whose objective is to increase the research infrastructure of the Canary Islands, as well as the existing knowledge about this emerging technology in wastewater treatment, a series of studies, tests and works are being carried out.

[READ MORE](#)

## ITC characterizes the brines from seawater desalination plants in the Canary Islands in order to create a census from the circular economy point of view

The ITC Water Department, within the framework of the E5DES Project - DESAL+ LIVING LAB Platform, is immersed in the task of promoting the recovery of brines from seawater desalination plants in Macaronesia.

[READ MORE](#)

## ITC transfers a pilot reverse osmosis desalination plant to Senegal for educational, training and research purposes

Within the framework of the E5DES project, Instituto Tecnológico de Canarias, ITC, has sent a pilot reverse osmosis desalination plant to the Assane Seck Ziguinchor University, UASZ, a Senegalese partner of the project. Once installed and verified, remote training has been carried out from the Canary Islands in its operation and maintenance, which took place between December 8 and 11, 2021.

[READ MORE](#)

## The autonomous desalination system installed by DESAL+ on the island of MAIO is recognized with the Greening The Islands 2021 award

The DESAL+ project was awarded the GTI Award 2021 in the 'Water' category during the 8th edition of the Greening the Islands convention, which took place between October 19th and 21st, 2021.

[READ MORE](#)

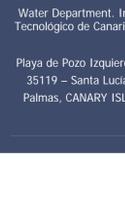
## Special session dedicated to the application of intelligent techniques to desalination at the XVI CEA Symposium on Intelligent Control

This session is part of one of the E5DES Project activities and was organized and conducted by members of the DESAL+ Living Lab Platform.

[READ MORE](#)

## Researchers from the ULL present a growth prediction study in ornamental plants watered with different types of water

A study has been carried out to compare the growth of three species of gardening plants irrigated with desalinated and underground water extracted from galleries. Subsequently, Artificial Intelligence (AI) techniques have been applied to predict the growth of these plants according to the type of water with which they have been watered.

[READ MORE](#)

## EERES4WATER project participates in ENERTECH event

The Assessment of the Water-Energy Nexus in the Alentejo Region (Portugal), based on the Quantitative Story Telling (QST) methodology, carried out in the framework of the EERES4WATER Project, was presented at the ENERTECH – FEIRA DAS TECNOLOGIAS PARA A ENERGIA on November 12th, 2021.

[READ MORE](#)

## Interview



### Michael Frederico

Technical Director of Águas e Energia do Maio (AEM, Cape Verde)

Questions asked in relation to the autonomous desalination plant powered by photovoltaic solar energy in Ribeira Dom Joao (Maio Island, Cape Verde), whose commissioning and power supply using photovoltaic solar energy has been carried out within the framework of the DESAL+ project.

[READ MORE](#)

## Events Promoted by DESAL+ LIVING LAB

➤ **Eficiencia Energética En Desalación\_Diseño Hidráulico Optimizado De Bastidores De Ósmosis Inversa (DESAL2)**  
PLACE: Online  
DATE: 10/12/2021 – 15/01/2022

➤ **Desalination For The Environment: Clean Water And Energy – NEW DATES!**  
PLACE: Las Palmas de Gran Canaria, Spain  
DATE: 07/03/2022 – 10/03/2022

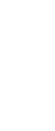
➤ **Workshop "Artificial Intelligence For Desalination" – NEW DATES!**  
PLACE: Las Palmas de Gran Canaria, Spain  
DATE: 07/03/2022

## Recent Publications:

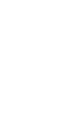
➤ Nicolás Marichal Plasencia, Jorge Camacho-Espino, Devis Avila Prats, Baltasar Peñale Suárez. Machine Learning Models Applied to Manage the Operation of a Simple SWRO Desalination Plant and Its Application in Marine Vessels. Water, 2021, vol. 13 (18), p. 2547. <https://www.mdpi.com/2073-4441/13/18/2547>

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

### OUR PROJECTS



### OUR FUNDERS

[www.desalinationlab.com](http://www.desalinationlab.com)

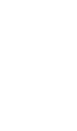
Water Department, Instituto Tecnológico de Canarias, ITC.



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