

The **DESAL+ LIVING LAB**, located in the Canary Islands, is a desalination oriented real-life and testbed environment which offers to manufacturers, companies, technology centers, researchers, etc., different spaces, facilities, infrastructures, equipment, etc. where their research, develop, test and/or validation of water desalination solutions could take place





THE CIAGC ENABLES AN AREA FOR TESTING DESALINATION TECHNOLOGIES AT THE ARUCAS-MOYA DESALINATION-PLANT

This infrastructure is added to the areas already enabled to carry out R&D in desalination within the **DESAL + LIVING LAB Platform**, as an open space for research where testing, experimentation and demonstration can be carried out in order to promote and mature the commercial potential of a technology, product and / or service linked to desalination.

MORE INFO



DESAL+ LIVING LAB, PRESENTED AS A SUCCESFULL CASE OF DESALINATION IN THE BLUE ECONOMY ACTIVITY REPORT IN THE CANARY ISLANDS

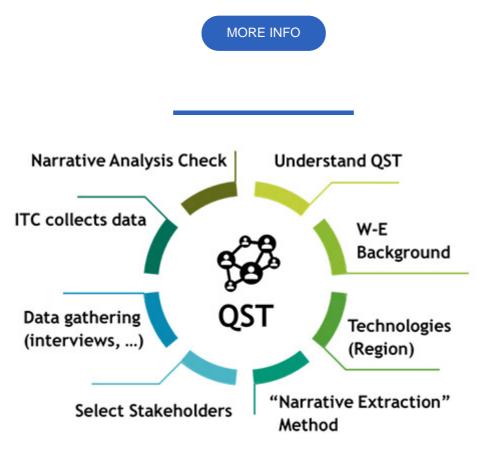
CETECIMA publishes in 2020, within the framework of the SMART BLUE project, a new edition of the **Blue Economy Activity Report in the Canary Islands** (IAEA Canarias 2019) where DESAL+ LIVING LAB has been presented as a case study of desalination success.

MORE INFO

The truth is that over the last 50 years in the history of industrial desalination, we have witnessed a development in and around it that is very similar to the development of the Internet.

DESALINATION: THE THIRD INDUSTRIAL REVOLUTION IS DRAWING CLOSER

The truth is that over the last 50 years in the history of industrial desalination, we have witnessed a development in and around it that is very similar to the development of the Internet. In 1970, the first desalination plants were set up at several sites where water resources were scarce, and the first connection between two remote computers took place in 1969, between **Stanford University** and **UCLA** in the USA.



WATER – ENERGY NEXUS ANALYSIS USING THE QUANTITATIVE STORY-TELLING APPROACH FOR IMPROVED POLICY MAKING

Within the **EERES4WATER project** ITC is working on the water-energy (WE) nexus analysis using the Quantitative Story-Telling (QST) approach for improved policy making.





CABILDO DE GRAN CANARIA DEVELOPS TOGETHER WITH ITC A TRAINING PROGRAM FOR DESALINATION SPECIALLISTS

This initiative is part of the agreement with the State to promote research and economic activities linked to the exploitation of the islands marine resources.





GREAT SUCCESS OF THE WEBINAR "DESALINATION WITH RENEWABLE ENERGY: CURRENT SITUATION AND CHALLENGES", WITH A TOTAL OF 260 ATTENDEES

Baltasar Peñate Suárez, Head of the Water Department and Coordinator of the DESAL+ LIVING LAB Platform, participated in a webinar organized by the Latin American Association of Desalination and Reuse of Water, ALADYR, on April 29th.





NEW DATES OF THE EDS INTERNATIONAL CONFERENCE ON DESALINATION FOR THE ENVIRONMENT IN GRAN CANARIA: 16-19 MAY 2021

Considering the **COVID-19** worldwide crisis, the organization has decided to move the event to 16-19 May 2021.





INTERVIEW WITH RUI MARTINS - AIR CENTRE

Rui Martins is currently a Senior Project Officer in the Atlantic International Research Centre (AIR Centre). He graduated in Environmental Engineering from the University of Azores. He has 15 years of experience in the development of international projects on energy efficiency, renewable energies, hydrogen, adaptation to climate changes, smart cities, industrial sustainability, international cooperation and space. He has gathered experience in the establishment of consortiums, leadership of project proposals for the main international funding programmes as well as international project management. Over the years he has accumulated the responsibilities of business developer and networking manager in the former institutions where he has collaborated. He currently is also an expert evaluator and expert monitor for the European Commission on H2020 proposals and projects. He actively collaborates as a Senior Editor in several international science platforms.



Events Promoted by DESAL+ LIVING LAB

> EDS online intensive course: Membrane Technology Process and System Design - Dates: 21-30/09/2020

> Curso a distancia "DESALACIÓN MEDIANTE ENERGÍAS

RENOVABLES" - Dates: 28/09/2020 - 30/10/2020 Place: Online

> Desalination for the Environment: Clean Water and Energy – NEW DATES! - Dates: 16/05/2021 - 19/05/2021 Place: Las Palmas de Gran Canaria, Spain

> Workshop "Artificial intelligence for desalination" – NEW DATES! -Dates: 16/05/2021, from 16:00 to 18:00 Place: Las Palmas de Gran Canaria, Spain

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Upcoming RELATED EVENTS

> 4th SDEWES Conference - Dates: 28/6/2020 - 2/7/2020 Place: Sarajevo, Bosnia and Herzegovina

> 15th SDEWES Conference - Dates: 1/9/2020 - 5/9/2020 Place: Cologne, Germany

> XIII Congreso Internacional AEDyR sobre Desalación y Reutilización -Dates: 24/11/2020 - 26/11/2020 Place: Córdoba, España

> International Congress on Membranes & Membrane Processes 2020 (ICOM 2020) - New Dates: 6 - 11 December 2020 Place: ExCel Centre, London, UK

Recent Publications DESAL+ LIVING LAB

AVILA, D., Marichal, N., Padrón, I., Quiza, R., Hernández, A. Forecasting of wave energy in Canary Islands based on Artificial Intelligence. Applied Ocean Research, Volume 101, August 2020, 102189 (E5DES project).

SUBIELA, V. J., et al. Design recommendations and cost assessment for non-stop off-grid plants of seawater desalination based on PV-driven with wind/diesel energy backup. Desalination and Water Treatment, 2020, vol. 181, p. 80-100 (EERES4WATER Project).

SUBIELA, V. J., et al. Design recommendations and cost assessment for off-grid wind-powered-seawater reverse osmosis desalination with medium-size capacity. Desalination and Water Treatment, 2020, vol. 180, p. 16-36 (EERES4WATER Project).

SUBIELA, V. J., et al. Configurations of reverse osmosis plants with variable energy consumption for off-grid wind-powered seawater desalination: system modeling and water cost. Desalination and Water Treatment, 2020, vol. 180, p. 1-15 (EERES4WATER Project).

