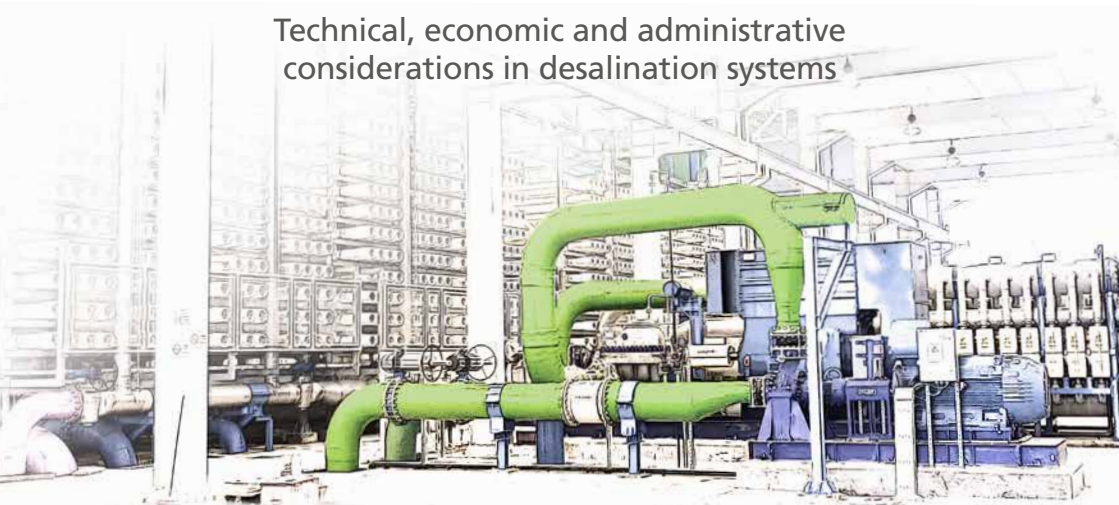


# Desalination Week

## Leaders in innovation: sustainable desalination

Technical, economic and administrative  
considerations in desalination systems



**Denia, Alicante (Spain)**  
**from 25th to 29th November 2019**





microbial  
desalination  
for low energy  
drinking water



This project has received  
funding from the European  
Union's Horizon 2020 research  
and innovation programme under  
grant agreement No 685795

# Desalination Week

## 25th-29th November, Denia (Spain)

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00	<b>Desalination School</b> 	<b>Desalination School</b> 	Denia Desal. Technology Center	<b>MIDES General Assembly</b>	<b>MIDES General Assembly</b>
10:00					
11:00					
12:00					
13:00			Sustainable Desalination Workshop		
14:00					
15:00					
16:00					
17:00					
18:00					



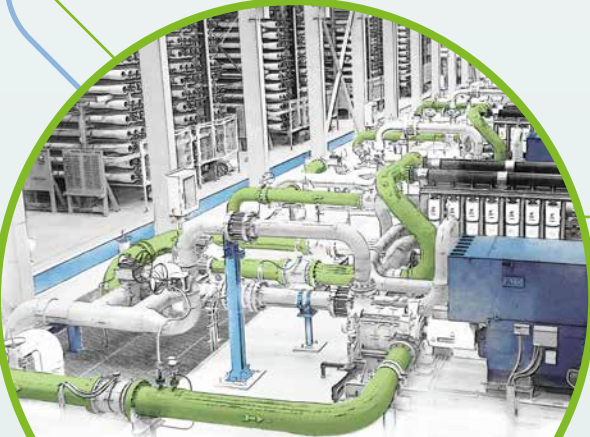
microbial  
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### **“MIDES, Desalination innovation School,”**

on current desalination systems in use in different parts of the world, and innovative approaches to creating fresh water with less impact and energy.

This day-and-a-half session is aimed at providing a closer look at salt water treatment for master’s students studying fresh water production technologies. The MIDES project will be featured in the Summer School as an EU Horizon 2020 project to scale up use of Microbial Desalination Cells (MDC) as a pre-treatment for reverse osmosis (RO) and treatment of wastewater.

25th-27th November, at the Balearia facility – Denia, Spain



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## 25th November

9:30-10:00 – Registration.

10:00-10:15 – Welcome offered by local authorities.

10:15-11:00 – Introduction to Water Scarcity and Desalination. **(Dr. Sergio Salinas/IHE Delft)**

11:15-11:30 – *Coffee break.*

11:30-12:15 – New Developments in Desalination Pretreatment. **(Dr. Juan Arévalo/Aqualia)**

12:15-13:00 – Review of Solar Desalination activities at PSA. **(Dr. Julián Blanco/CIEMAT-Plataforma Solar de Almería)**

13:00-14:00 – *Lunch break.*

14:00-14:45 – Removal of Ionic Pollutants using an Integrated Donnan Dialysis - (bio)Reaction Approach. **(Prof. Joao Crespo/U. Nova Lisboa)**

14:45-15:30 – Water Desalination by Capacitive Deionization: Challenges and Prospects. **(Dr. Julio J. Lado/IMDEA Energía)**

15:30-16:00 – *Coffee break.*

16:00-18:00 – Social Activity. Sailing.

20:00 – Cocktail.

## 26th November

9:30-10:15 – Algal Blooms – Do they pose a threat to desalination systems? **(Prof. M. Kennedy/ IHE Delft)**

10:15-11:00 – Brine recovery and circular economy. **(Prof. Enrico Drioli/UNICAL-ITM)**

11:00-11:30 – *Coffee break.*

11:30-12:15 – Increasing desalination sustainability. **(Prof. Inmaculada Ortiz/U. Cantabria)**

12:15-13:00 – Microbial Desalination Cell evolution. From concept to reality. **(Dr. Juan M. Ortiz-Dr. Naiara Hernández/ IMDEA-Aqualia)**

13:00-14:00 – *Lunch break.*

14:00-14:45 – Demonstration of Simulation Tool IPSEpro. **(Erhard Perz/SimTech)**

14:45-15:30 – Electrodialysis technology applied to desalination. **(Dr. Abdulsalam Alhadidi/Fujifilm)**

15:30-16:15 – Valorization of RO desalination brines for industrial applications: chemicals production by integration of ED, EBBM. **(Prof. Jose Luís Cortina/UPC)**

16:15-16:30 – *Coffee break.*

16:30-17:30 – Roundtable/Debate. The future in desalination? Major Threats? Research fields? **(All the participants and audience)**

17:30-17:45 – Wrap up and remarks.

## 27th November

### Field visit to Denia Desalination Innovation Center. (Aqualia)

9:00-9:15 – Registration at Maritime Station and transfer by bus to Denia Desalination Innovation Center.

9:30-10:00 – Inauguration of Desalination Innovation Center Denia.

10:00-11:00 – Guided visit.

11.00-11.30 – *Coffee break.*

11:30 – Bus to Maritime Station.

11:50-12:10 – Current and future situation of desalination in Spain. **(Fermín Jiménez Núñez /Ecological Transition Ministry)**

12:10-12:40 – Past, present and future of desalination in Spain. **(Enrique Cabrera/ Catedrático Emérito UPV)**

12:40-13:00 – Case study CAP Djinet desalination plant (Algeria). Public-private collaboration at the service of people. **(People-first PPP) (Jordi Salvador/IESE Business School)**

13:00-13:30 – Desalination in the Balearic Islands. The case of Ibiza. **(Juan Antonio García - Juan Daniel Martorell/Agència Balear de l'Àigua and Lorenzo Romero/Aqualia)**

13:30-13:50 – The experience of desalination in the Canary Islands. **(Francisco Urquijo/Aqualia)**

13:50-15:00 – *Lunch break.*

15:00-15:20 – Denia case. Denia Smart City. **(Denia Delegation, Manolo Rosado/Aqualia)**

15:20-15:40 – New developments and designs of desalination plants. **(Bartolomé Marín/Aqualia)**

15:40-16:00 – Technical evolution of pumps and energy recuperators.  
**(Ignacio Carazo/Flowserve)**

16:00-16:20 – Filtralite for optimization of desalination pretreatment.  
**(Carlos de Juan/Filtralite)**

16:20-16:40 – Innovation beyond specifications.  
**(Guillem Gilabert/Dupont)**

16:40 -17:00 – Desalination in the field of MCT and R&D strategies in desalination. **(Helena Montero /Mancomunidad de los Canales del Taibilla)**

17:00-17:20 – Silent Invasions vs. Hydrological Infrastructures. A biotechnological alternative.  
**(José Luis Soler/Ecowater)**

17:20 – Closing.

Registration open until: **20th November 2019**

Free registration [here](#)

Más información en [www.aqualia.com](http://www.aqualia.com)

Location: **Balearia Port Denia - Room of the Paraula Estación Marítima, S/N, 03700 Dénia, Alicante**

## Project Coordinator



## Project Partners



## Collaborating entity



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[www.midesh2020.eu](http://www.midesh2020.eu)

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