

INTRODUCCIÓN A LA INICIATIVA WTA EU



**MINISTRY OF FOREIGN AFFAIRS
OF DENMARK**
The Trade Council

Agenda

- Introducción a la iniciativa
- Organización de los equipos
- Actividades que realizamos
- Casos de éxito



WATER DISTRIBUTION



SEWER SYSTEMS AND RESILIENCY



WASTEWATER



WATER TECHNOLOGY ALLIANCE

WHAT: National knowledge exchange program on water

WHY: Denmark's water vision

**"WE WANT TO BE THE WORLD LEADER IN DELIVERING
INTELLIGENT, SUSTAINABLE AND EFFICIENT WATER
SOLUTIONS"**

BACKGROUND

- Working with **consortia (alliances) of or individual companies** within the Danish water sector
- Sole focus on **municipal water** – other focuses, e.g. industrial wastewater, are not in scope.
- **12 dedicated advisors** with water technical and commercial competences
- Addressing our **customers' customer** and **informal decision-makers** in water, i.e. municipalities, utilities, WWTPs, private operators, industry associations, water authorities, etc.
- Three subsectors in focus: **groundwater, water infrastructure** and **wastewater**. Cross-cutting focus on **digitalization**.



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BACKGROUND

- Water Technology Advisory EU launched in March 2022
- Builds on successes and learnings from WTA in USA and Germany
- 12 dedicated water advisors in Germany, Italy, Poland, Portugal and Spain with focus on municipal water.

ACTIVITIES

- Meetings with end-users (utilities, WWTPs, municipal)
- Technical workshops,
- Delegation trips with local utilities visiting Denmark,
- Innovative projects



Visits /
Analysis



Solutions



Workshops



Delegation

Execution



PUBLIC SALES: SUB-SECTORS IN FOCUS



WATER INFRASTRUCTURE

SEWER WATER SUPPLY NETWORK

Asset management
Control
Detection & sensing
Pressure management

Examples of stakeholders

Municipality
Utility
Wastewater Treatment Plant

WASTEWATER TREATMENT, ENERGY OPTIMIZATION & SLUDGE MANAGEMENT

Asset management
Monitoring and control
Energy optimization
Optimized operations
From intake to outflow –technology and
Services

Examples of stakeholders

Municipality
Wastewater Treatment Plant

GROUNDWATER

Mapping
Protection
Extraction
Recharge
River basin water management systems

Examples of stakeholders

National authorities
State authorities
Municipality
Utility

7%

Denmark has managed to contain urban water losses to less than 7%.

2030

Danish wastewater treatment plants successfully transform wastewater into energy, heat and biogas. Moreover, numerous plants have achieved energy net positivity driven by the water sector's goal of becoming energy and climate neutral by 2030.

100 %

of Denmark's water supply is based on groundwater.



Designed by

STATE
OF
GREEN

WTA EU TEAM ORGANIZATION

			Groundwater Thomas Jensen	Water Infrastructure Stig Knudsen / Alf Thomassen	Wastewater Holger Pedersen / Alf Thomassen	
	Germany	Laura Kabus Trine Kosack Camilla Akselbo				
	Poland	Pawel Pawlowski				
	Spain/Portugal	Cátia Martinho Bruno Durá				
	Italy	Benedetta Sala				
	Sweden	TBD				
	Digitalization	Stig Knudsen				

WTA EU TEAM ORGANIZATION



MARKET CONDITIONS & OPPORTUNITIES

SPAIN

CURRENT STATE

Agricultural demand, water scarcity, and tourism are driving the need for better water treatment and reuse

- **Water reuse leader:** Spain is the European leader and ranks fifth globally.
- **Investment:** The water management plans the hidrológicos address a need for €23 billion to upgrade infrastructure and meet current and future regulations.
- **Deliveries:** So far a total of 3 billion will be delivered though the Spanish Strategic Projects for Economic Recovery and Transformation (2022-26)



CHALLENGES

- Aging Infrastructure (sewer renewal rate 0,34%)
- Population Growth and Urbanization
- Lack of digitization and process control.
- Challenges in complying with the current EU waste directive(91), leading to fines exceeding €90 million since 2017.

PROJECTS

- EDAR de Palma de Mallorca: significant upgrades to improve its treatment capacity and enhance water reuse capabilities.
- Malaga Norte EDAR: complete new plant
- Digitalisation projects

TRENDS

- A relatively fragmented market, which is slowly consolidating. Big investments in most water areas.
- We are already seeing a lot of investment in digitalization and new plants
- New EU urban wastewater directive.
- Water reuse

EJEMPLOS VISITAS TÉCNICAS



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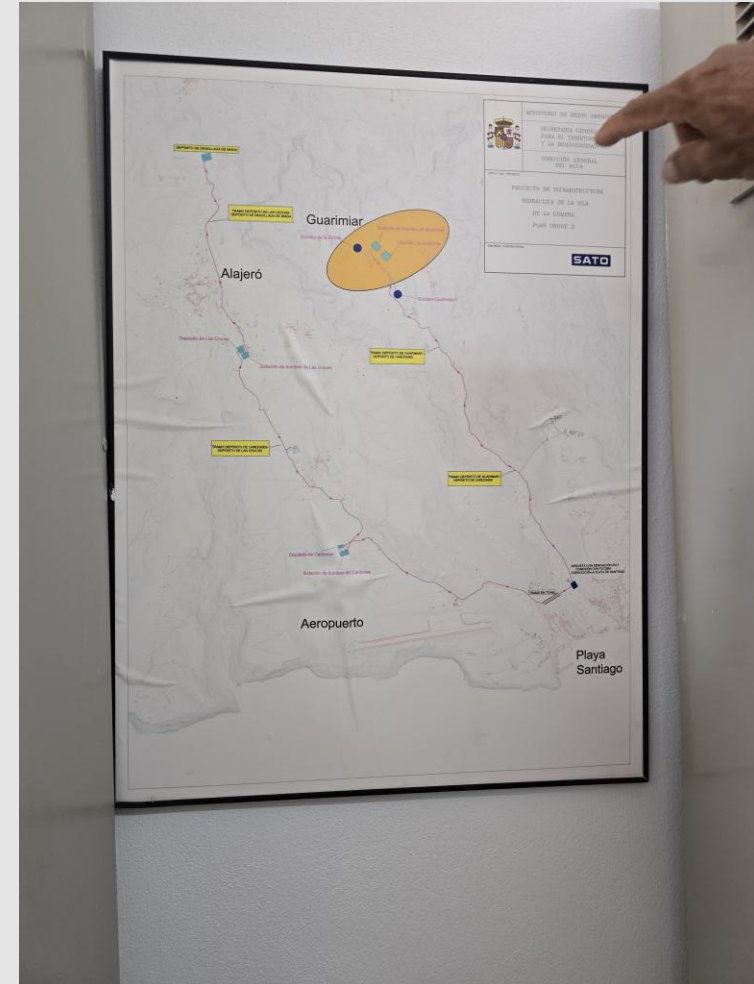
EJEMPLOS VISITAS TÉCNICAS



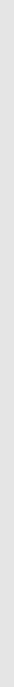
EJEMPLOS VISITAS TÉCNICAS



EJEMPLOS VISITAS TÉCNICAS



EJEMPLOS WORKSHOPS



EJEMPLOS WORKSHOPS



EJEMPLOS WEBINAR



WEBINAR

Eficiencia energética y soluciones digitales con variadores de frecuencia Danfoss, para el tratamiento del agua

09 octubre | 16:30 Hora España

Con el

Jesús de Porres Bruno Durá José M. del Arco

Danfoss AGUASRESIDUALES.INFO

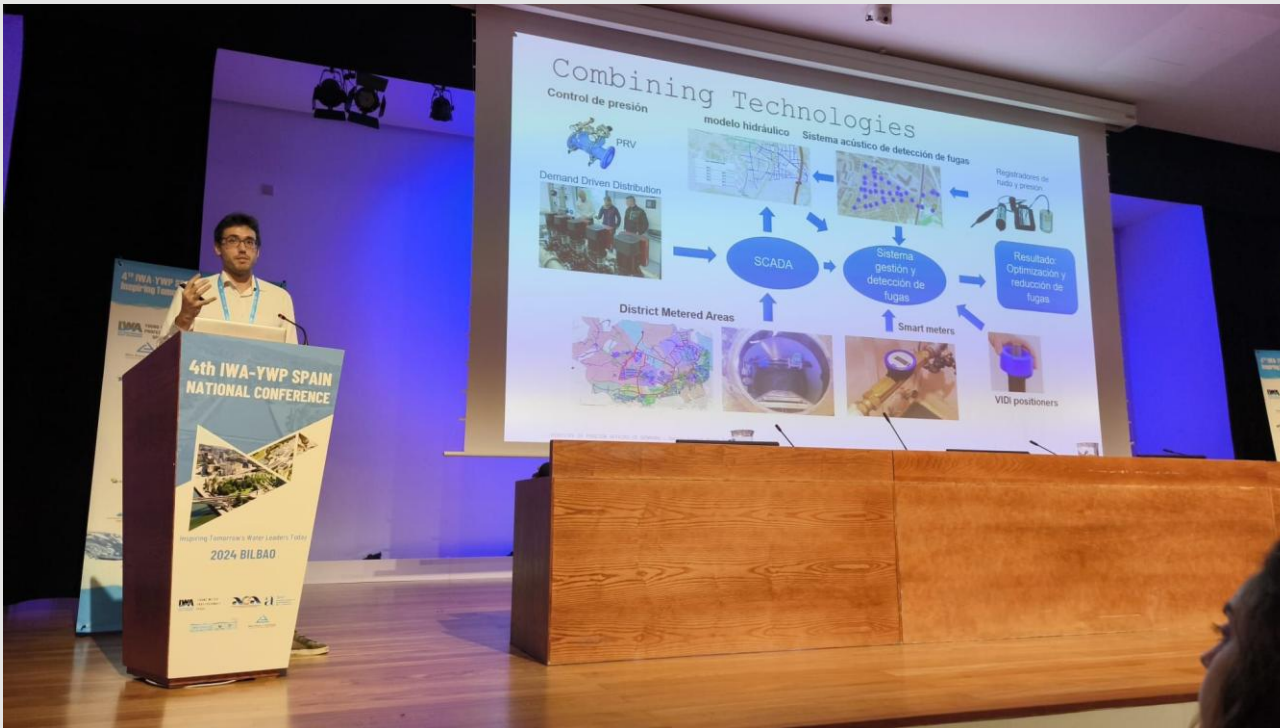
 **Inscríbete**

The banner features a background image of an industrial water treatment facility with large tanks and pipes. A prominent red wavy line separates the top text area from the speaker information. The speakers' names are displayed in dark red boxes below their circular headshots. The Danfoss logo is in its signature red script, and the website URL is in a clean, sans-serif font. A green call-to-action button is positioned at the bottom right.

PARTICIPACIÓN EN CONFERENCIAS Y EVENTOS



PARTICIPACIÓN EN CONFERENCIAS Y EVENTOS



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THE NEW WORK&LIVING SPACE

3ª Conferencia y Jornada Empresarial

Invitación/Programa Martes 10 de Diciembre
AUREN Auditorio Avda. Gral. Perón, 38 - 28020 Madrid

Tema Transversal: Economía circular y sostenibilidad en todos los aspectos y sectores
Título Jornada: Cruzando Fronteras: Inspiración internacional y Tecnología como vehículo

09.00 Recepción de asistentes
09.25 Apertura y Bienvenida por la organización: Javier Cantera, AUREN y Marianne Koefoed, Cámara Hispano Danesa
09.30 Intervenciones Especiales: **Elisa García Grande**, Directora Ejecutiva de ICEX/Invest in Spain * **Carlos Soldevila**, Científicos Españoles en Dinamarca (CED), virtual desde Dinamarca * **Patricia Carballo**, Directora Asociación Española del Retail (AER)
09.55 **1ª MESA: INSPIRACIÓN INTERNACIONAL:** **Jesús Rubiera Fernández**, Director ICEX/Invest in Spain * **Eduardo Gómez Casado**, Consejero Económico de la Comisión Europea * **Henrik Lumholdt**, Copenhagen Allocation, IE University * **Bruno Durá Garrido**, Innovación YOUNG WATER PROFESSIONALS SP, EU Advisor Embajada Dinamarca *
Moderador: **Rubén Esteller**, El Economista
10.20 **2ª MESA: TECNOLOGÍA Y DIGITALIZACIÓN:** **Diego Barón**, Director MAKENAI, **Miguel Saiz**, Partner AUREN * **Rafael López**, Director EVIDENTIA UNIVERSITY * **Louise Koefoed**, Directora Uppertat * **Alezeia Sánchez**, Directora Congreso DES (Digital Enterprise Show, NEBEXT) *
Moderador: **Rubén Esteller**, El Economista
10.45 Preguntas, comentarios, debate
10.50 Conclusiones y clausura por la organización
10.55 Networking/café entre participantes y asistentes

Empresas Destacadas:  Colaboraciones: 



EJEMPLOS DELEGACIONES A DINAMARCA



EJEMPLOS DELEGACIONES A DINAMARCA



THURSDAY, OCTOBER 26TH

Water Infrastructure		Wastewater treatment	
8.40	Meet at the Lobby	7.55	Meet at the Lobby
8.45 - 9.15	Transport to HOFOR (Ørestads Boulevard 35, 2300 København S)	8.00 - 8.30	Transport to Alfa Laval (Maskinvej 3, 2860 Søborg)
9.15 - 13.00	Greater Copenhagen Utility (HOFOR) 9.15 - Welcome and introduction to HOFOR 9.45 - Non-Revenue Water Reduction and Asset Management at HOFOR 10.45 - Coffee break 11.15 - Climate Adaptation and Modelling at HOFOR 12.00 - Digital tools for optimization of water management by DHI	8.30 - 11.00	Alfa Laval • Presentation and tour at Alfa Laval
		11.00 - 11.30	Transport to BIOFOS - Lynetten Wastewater Treatment Plant (Refshalevej 250, 1432 København)
		11.30 - 13.00	BIOFOS • Presentation and tour at Lynetten WWTP
13.00 – 15:30		Lunch and Goodbye (Restaurent Kastellet, Amaliegade 41, Copenhagen)	
End of delegation			

EJEMPLOS EVENTOS POLITICOS



CASO DE ÉXITO - AQUAVALL



CASO DE ÉXITO - AQUAVALL



CASO DE ÉXITO - AQUAVALL



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CASO DE ÉXITO – CABILDO DE LA GOMERA /CANAGUA

NOTICIAS POR ÁREAS

HERRAMIENTAS DE
ACCESIBILIDAD



Agricultura, ganadería y pesca

Artesanía y comercio

Deportes, juventud y patrimonio

Economía y hacienda

Educación y cultura



Empleo público



Medio ambiente y política territorial



Obras públicas, carreteras, emergencias y seguridad



Presidencia



Servicios sociales

Sin categoría



Transporte e industria



Turismo

NOTICIAS POR MUNICIPIOS



Valle Gran Rey



San Sebastián de La Gomera

La Gomera y Dinamarca impulsan un proyecto tecnológico conjunto para la gestión de los recursos hídricos

El Consejo Insular de Aguas y la Embajada de Dinamarca en Madrid firman un convenio para el desarrollo de un sistema de monitorización de las redes de agua que van desde los sondeos hasta los depósitos de cabecera de cada municipio

Curbelo explica que este acuerdo permite implementar tecnología danesa en la medición de caudales, presión de agua, y detección de fugas a tiempo real a través de una plataforma digital

Los Ministerios de Medio Ambiente y Asuntos Exteriores daneses cofinancian el proyecto, a través de la Embajada en España, en el marco de desarrollo de experiencias en territorios que compartan objetivos



CASO DE ÉXITO – CABILDO DE LA GOMERA /CANAGUA



RELACIÓN CON OTROS ORGANISMOS - YWP



EMBAJADA



EMBAJADA



EXISTING PARTNER COMPANIES OF WTA EU





THE TRADE COUNCIL

**GRACIAS
POR
VUESTRA
ATENCIÓN**