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# WATER SCARCITY AND DROUGHT:

from crisis management to long term adaptation



05 JULY 2022 | 11:00 to 15:30



EMASESA (C.Escuelas Pías, 1, Sevilla, Spain)  
& online  LIVE



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# WATER SCARCITY AND DROUGHT:

## from crisis management to long term adaptation

- 11:00 **WELCOME ADDRESS**  
**Antonio Muñoz Martínez**, Mayor of Sevilla – President of EMASESA
- 11:10 **OPENING REMARKS**  
**Bernard Van Nuffel**, President of Aqua Publica Europea – Deputy Mayor for the environment of Jette (Brussels Region)
- 11:20 **Setting the scene: What political change to address climate change?**  
**Prof Cristina Monge**, University of Zaragoza (Spain)
- 11:40 **Drought and water scarcity: initiatives at EU level**  
**Dagmar Behrendt Kaljarikova**, European Commission, Directorate-General for Environment – Sustainable freshwater management
- 12:00 **SESSION I** Drought management plans to handle competing needs – the role of water operators  
→
- 💧 **Jesús Oleden**, Director, Aguas de Cádiz (Spain)
  - 💧 **Laurence Bovy**, Chief Executive Officer, VIVAQUA (Belgium)
  - 💧 **Miguel Lemos Rodrigues**, President, Águas de Gaia (Portugal)
- 🎤 **Moderated by Luis Babiano**, AEOPAS
- 13:00 **Lunch break**
- 14:00 **SESSION II** Long-term adaptive approaches to water scarcity: what kind of governance?  
→
- 💧 **Jaime Palop Piqueras**, Chief Executive Officer, EMASESA
  - 💧 **Rafael Seiz**, WWF Spain
  - 💧 **Jesús Vargas**, Citizens' drought observatory – University of Sevilla (Spain)
  - 💧 **Maria Berglund**, Directorate for Environment – Government of North Rhine-Westphalia
- 🎤 **Moderated by Nuria Hernández-Mora**, Fundación Nueva Cultura del Agua
- 15:00 **CLOSING REMARKS**  
**Jaime Morell**, Secretary General of AEOPAS

## WELCOME ADDRESS



### ANTONIO MUÑOZ MARTÍNEZ

*Mayor of Sevilla  
President of EMASESA*

He has been a member of the Municipal Corporation since 2011, and before being appointed mayor he managed the areas of Tourism, Culture and Urban Planning for six years as deputy mayor of the city government. He holds a degree in Economics and Business Studies from the University of Malaga, and an MBA from the San Telmo International Institute (Seville). Expert in Local Development by the International Labour Organisation and the United Nations. His professional career has been linked to the management of public resources, the promotion of tourism and the promotion of the economic activity. As of January 2022, he has assumed the office of Mayor of Seville prioritising the improvement of public services, the reduction of inequalities, the ecological transition and the fight against climate change and economic recovery.

## OPENING REMARKS



### BERNARD VAN NUFFEL

*President of Aqua Publica Europea -  
Deputy Mayor for environment of  
Jette (Brussels Region)*

Bernard Van Nuffel has been President of VIVAQUA (Brussels' water operator) since February 2019 and of Aqua Publica Europea (European association of public water operators) since November 2020. Currently Deputy-Mayor of Jette (one of Brussels' municipalities), he has been involved in the implementation of local urban and environmental policies since 1997, when he joined the administration of the Belgian capital first with responsibilities in urban planning, then as an advisor and chief of cabinet to the Deputy-Mayor for Public Spaces. Bernard Van Nuffel is an architect by training.

## SETTING THE SCENE



### PROF CRISTINA MONGE

*University of Zaragoza (Spain)*

Political scientist and PhD from the University of Zaragoza, where she teaches sociology. Her areas of interest are sustainability and democratic quality, and especially governance for ecological transition, a subject she works on in research centres such as Globernance, BC3 and itdUPM or on the board of Ecodes.

## INITIATIVES AT EU LEVEL



### DAGMAR BEHRENDT KALJARIKOVA

*European Commission, Directorate-  
General for Environment -  
Sustainable freshwater management*

Dagmar Behrendt Kaljarikova works in the 'Sustainable Freshwater Management Unit' of the Directorate-General for the Environment of the European Commission since September 2012. She is in charge of water resources management issues and climate change adaptation in freshwater management. She is the co-chair of the Ad-hoc Task Group on Water scarcity and droughts, established within the Common Implementation Strategy (CIS) for the implementation of the EU water law. She led the development of the Commission proposal for an EU Regulation on water reuse. She is an environmental engineer with postgraduate studies in environmental law.

**JESÚS OLIDEN**

*Director  
Aguas de Cádiz (Spain)*

Jesús Oliden Rodríguez-Sánchez is a Technical Engineer in Public Works from the Polytechnic University of Madrid and holds a diploma in Senior Business Management from the San Telmo International Institute in Seville. He has spent almost his entire professional career in public management and is an expert in environmental issues. He held several positions at the Cadiz City Council since 1983. He was appointed manager of Aguas de Cádiz in 2015 with the support of the Board of Directors of Aguas de Cádiz. He has been a lecturer for eight years on the Master's Degree in Integrated Management of Coastal Areas at the University of Cadiz

**LAURENCE BOVY**

*Chief Executive Officer  
VIVAQUA (Belgium)*

Laurence Bovy is a lawyer by training and has extensive experience in public management in various fields. Since her arrival at the head of VIVAQUA in March 2017, she has been working hard to revitalise the company, which at the time was some 126 years old and needed a boost to realise its considerable potential. In mid-2019, VIVAQUA adopted its strategic plan VIVAnext 2019-2024. Aware that change can sometimes be difficult, Laurence Bovy regularly meets with the staff to help them through this change.

Her business philosophy is: Align the company's values and missions with the strategic objectives and adopt a participatory & collective approach.

**MIGUEL LEMOS RODRIGUES**

*President  
Águas de Gaia (Portugal)*

Miguel Marques de Lemos Rodrigues has been Member of the Board of Águas de Gaia E.M. S.A. since 2015. He is a Member of the Management Board of Aqua Publica Europea, the European Association of Public Water Operators and a Member of the Remuneration Committee of SIMDOURO, S.A. - Saneamento do Grande Porto, S.A. He also writes columns in several newspapers on environmental and sustainability matters. He holds a Degree in Economics. Prior to his current position, he performed several functions both in the private and public sectors, namely financial advisor at a bank, chief of staff in the Civil Government of Porto and Advisor in the Municipality of Gaia and he was a member of the Technical Committee of RENEL LL - Portuguese Network of Smart Cities in the representation of the Municipality of Gaia.

**MODERATED BY**

*AEOPAS*

**LUIS BABIANO**

Manager of AEOPAS. He is responsible for the coordination of all AEOPAS projects and the economic control of the association. Previously, he worked, among other areas, as Advisor to the Water Director-General of the Ministry of the Environment and Head of the Society and Territory area of the Centre for New Water Technologies (CENTA).

## SESSION II Long-term adaptive approaches to water scarcity: what kind of governance?



### JAIME PALOP PIQUERAS

*Chief Executive Officer  
EMASESA (Spain)*

He has been the CEO of the Spanish public water operator of the city of Seville (EMASESA) since 2016. In the past, he has been director-general of Hydraulic Works of the Regional Ministry of Public Works and Territorial Planning, president of the Guadalquivir Hydrographic Confederation; director-general of Water of the Ministry of the Environment; and managing director of the Andalusian Water Agency of the Regional Ministry of the Environment. In the Confederación Hidrográfica del Guadalquivir he held two other positions: Water Commissioner of the Guadalquivir Hydrographical Confederation and Head of the Planning Office. He is a Civil Engineer.



### JESÚS VARGAS

*Citizens' drought observatory -  
University of Sevilla (Spain)*

Professor of Human Geography at the University of Seville and researcher at the Global Change Research Lab of the Pablo de Olavide University. Expert in management, policy and governance of water resources and hydroclimatic risks in climate change scenarios.

### MODERATED BY



### NURIA HERNÁNDEZ-MORA

*Fundación Nueva Cultura del Agua*

She is a senior water policy expert. She has a PhD in Geography from the University of Seville (Spain, 2015) and MS degrees from the University of Wisconsin-Madison (2001) and Cornell University (1995) in natural resources policy and administration. She has over 20 years of experience in research and consultancy focused on water policy evaluation and design, institutional analysis, water economics, urban water management, the human right to water, public participation and drought risk management. She has worked with non-profit organizations, universities and research institutions, local, regional and national administrations, the European Commission and the World Bank. She is the author or coauthor of over 90 publications related to different aspects of water governance and is a regular lecturer on water governance.



### RAFAEL SEIZ

*WWF SPAIN*

Rafa Seiz is passionate about water and the biodiversity that depends on healthy rivers, wetlands and aquifers. Given the complex challenges posed by human interactions with water and freshwater ecosystems, and the uncertainties linked to climate change, he tries to build a sustainable future for nature and people. He is always looking for work opportunities in which to contribute to this objective.

He was trained in environmental sciences, as well as in water management and engineering. After more than 10 years working in the sector, he currently dedicates his efforts to the Freshwater Program of WWF Spain, specifically in the field of water policy and planning. He says that he loves working to promote a better water management, to seek an effective adaptation to climate change impacts (flood risk management, water scarcity and droughts) and communicate on the value of water and my passion about freshwater ecosystems



### MARIA BERGLUND

*Directorate for Environment -  
Government of North Rhine-  
Westphalia*

Maria Berglund is a Policy Officer at the Ministry for the Environment in Northrhine Westphalia. She is responsible for developing a Strategy to address long-term dry periods and for climate adaptation within the water sector. Previously she worked for over 10 years as a consultant at the EU level with a focus on the implementation of the EU Water Framework Directive. Her consultancy projects dealt with climate change adaptation, water scarcity and drought issues, as well as agriculture pollution.

### CLOSING REMARKS



### JAIME MORELL

*Secretary-General  
AEOPAS (Spain)*

A Road, Canal and Port Engineer, he has spent most of his professional career at the Seville Provincial Council as Environment Manager. He was manager of the Consorcio de Aguas del Huelva from 1998 to 2003, and of the Consorcio Provincial de Aguas de Sevilla from 2004 to 2016. He is currently Deputy Director of the Area of Public Services for Sustainability of the Provincial Council and, since 2009, he has held the position of Secretary General of AEOPAS. He is also a lecturer at the School of Architecture and Civil Engineering of the University of Seville.

## THE ORGANISERS



**The Spanish public water operator of the city of Seville (EMASESA)** is a water utility that manages the Seville metropolitan area's integrated water cycle under a sustainable approach. Considered one of the leading companies in the sector in Spain, it currently supplies drinking water and provides public wastewater treatment services in Seville and 11 other towns in the surrounding metropolitan area.



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**The Spanish association of public water operators (AEOPAS)** was formally established in October 2009 at the Cordoba Provincial Council with the aim of promoting public management of the integral urban water cycle. AEOPAS represents a model of public water management based on planning; citizen participation and accountability; corporate social responsibility of companies; protection of natural resources; cooperation; and solidarity.



[www.aeopas.org](http://www.aeopas.org)



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**Aqua Publica Europea** is the European Association of Public Water Operators. It unites publicly owned water and sanitation services and other stakeholders working to promote public water management at both the European and international level. APE is an operator-led association that looks for efficient solutions that serve the public rather than corporate interests.



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