



the  
**planet**workshops

# PROGRAM

The \_\_\_\_\_ and \_\_\_\_\_  
**water** **sea**  
**workshops**

**BARCELONA**

International Forum  
for a Sustainable Development

**1<sup>ST</sup> EDITION**

Drassanes Reials - Maritime Museum of Barcelona

**WATER WITHOUT BORDERS :  
UTOPIA OR REALITY?**

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THURSDAY OCTOBER 10<sup>th</sup> 2013

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9:00am - 9:30am

**Opening Ceremony**

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9:30am - 10:45am

**Plenary session 1**

*"How to understand, preserve and use marine resources in order to promote the sustainable economic growth of coastal countries?"*

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10:45am - 11:00am

**Break – Networking**

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11:00am - 12:15pm

**Focus 1**

*"What strategies in order to preserve the quality of water resource?"*

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12:15pm - 1:30pm

**Students' Presentations**

*"Research and Innovative projects presented by PhD Students from different universities"*

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1:30pm – 3.00pm

**Lunch (Open to all participants)**

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3:00pm - 4:15pm

**Plenary Session 2**

*"How to face the impacts of the climate change on the water cycle?"*

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4:15pm - 5:30pm

**Focus 2**

*"Informing to improve management: what tools should be used to raise inhabitants awareness about water and marine ecosystems preservation challenges?"*

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5:30pm - 5:45pm

**Break – Networking**

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5:45pm - 7:00pm

**Focus 3**

*"Ports and the Euro-Mediterranean coastal zones: reinventing interfaces and conserving coastlines richness"*

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7:00pm - 7:30pm

**Closing Plenary Session**

**DEAR PLANETWORKERS,**

**It is an honor for us to welcome you at this first edition of the Water and Sea Workshops**, in Barcelona. With 8 editions of the Global Conference in France and 2 editions of the Global Conference in Morocco, we sincerely hope this new window opened on water related subjects will strengthen our collaborative networks around the world and propose new concrete solutions which could allow the speeding up of the diplomatic process and most of all to foster the access to drinkable water for everyone.

**Ensuring universal access to safe and quality water**, managing sustainably the resources and reinforcing its global governance represent crucial stakes at the international level. Overcoming these challenges will allow to achieve the Millennium Development Goals (MDGs) by targeting a cut off of at least half the people who do not have access to fresh water and wastewater treatment by 2030.

**Challenges linked to global warming**, urbanization and demographic growth reinforce this preoccupation, in a context where the international water governance still needs to be defined. It seems relevant that topics associated with water resources preservation and marine ecosystems protection must be considered together since they are strongly interrelated.

**Nowadays**, the different kind of pollutions, the over-exploitation of marine resources, the destruction of biodiversity and marine habitats are jeopardizing the oceans and seas, which are fundamental ecosystems and gatekeepers of the natural balance of our planet. Yet, oceans and seas are endless sources of inspiration and innovation.

**It is time to rely on innovation and new technologies for the exploitation of marine resources that will open up access to new richness while preserving this living space.**

**In an approach of co-construction**, governments, local and regional authorities, companies and civil society must work on the emergence of a new society: a "Blue society" based on a "blue economy", promoting a sustainable and equal use of oceans' richness. This "Blue society" has to be organized around new economic, social, environmental and governance models in order to improve living conditions of populations and change behaviors to achieve a fair distribution of the resources available.

**The role of the Water and Sea workshops is to federate**, within different fields, all the actors involved around issues related to water resources management, marine ecosystems preservation and the deployment of the huge potential of the seas and oceans.

**We wish you a useful conference and invite you to follow our works** (working commissions, publications, field programs) through our website [www.planetworkshops.org](http://www.planetworkshops.org).

**With our best regards,**

**The Planetworkshops**

09:00am/09:30am

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## OPENING CEREMONY

**Eric BAZIN**, Associate Founder, The Planetworkshops (France)  
**Artur MAS I GAVARRÓ**, President of the Government of Catalonia

09:30am/10:45am

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## PLENARY SESSION 1

*How to understand, preserve and use marine resources in order to promote the sustainable economic growth of coastal countries?*

Marine resources such as fish stocks, as well as mineral and fossil resources, are not inexhaustible. Sustainable management of these resources is essential if we want to continue using it as a factor of economic growth and sustainable development of maritime countries. If Protected Marine Areas are an efficient tool for preserving marine ecosystems and resources, other solutions already exist, such as high-seas fishing regulations for example. What innovations and what cooperation should be implemented in order to achieve a better management of marine resources, which are key drivers for a sustainable economic development?

### INTRODUCTION BY

**Josep Maria PELEGRÍ**, Catalan Minister of Agriculture, Livestock, Fisheries, Food and Natural Environment, Government of Catalonia

### SPEAKERS

**Olof LINDEN**, Director of Research and Professor in Marine Environment Management, World Maritime University – International Maritime Organization (Sweden)  
**Iolanda PIEDRA**, President of the Balearic Islands Maritime Cluster (Spain)  
**Antonio SARMENTO**, Director, WavEC Offshore Renewables (Portugal)  
**Anne-Cécile TURNER**, General Director, Race For Water Foundation (Switzerland)  
**Philippe VALLETTE**, General Director, NAUSICAA – National Center of the Sea (France)

### MODERATOR

**Nicolas IMBERT**, Executive Director, Green Cross France et Territoires (France)

11:00am/12:15pm

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## FOCUS 1

*What strategies in order to preserve the quality of water resource?*

Local, regional and national economic growth entails a guaranteed access to high-quality water. Used not only for agricultural irrigation but also for most industrial activities, water is an essential input for the growth of economic activities at the regional level, as well as for the health and well-being of the populations. How can we make a sustainable use of this

vital resource and how to fight against the various types of pollutions that affect a large part of fresh-water resources today? How can we ensure water courses and groundwater protection while preventing water use conflicts and favoring poverty alleviation at the same time? What are the political, technological and cooperation tools needed to provide answers to the water preservation challenge?

### SPEAKERS

**Josep MAS-PLA**, Member of the ICRA – Institut Català de Recerca de l'Aigua ; PhD in Geology and Hydrology, Professor of the University of Girona (Spain)  
**Mauro PERINI**, President, Water Right Foundation (Italy)  
**Philippe ROUGE**, Senior Vice-president Service Manager of Desalination, Water and Wastewater of Aqualogy  
**Mohammed SERRAJ**, Planning Director, Moroccan National Office for Drinking Water Supply – ONEP (Morocco)

### MODERATOR

**George J. GENDELMAN**, Associate Founder, Planetworkshops (France)

12:15pm/1:30pm

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## STUDENTS' PRESENTATIONS

*Research and Innovative projects presented by PhD Students from different universities*

### SPEAKERS

**Sergi NUSS GIRONA**, PhD Student in Geography, Institute of the Environment, University of Girona (Spain)  
**Miquel RIBOT BERMEJO**, PhD Student in River Ecology, Blanes Center for Advanced Studies, CEAB-CSIC (Spain)  
**Alexandre SENDROS**, PhD Student in Water - Interdisciplinary Analysis and Sustainable Management, Faculty of Geology, University of Barcelona (Spain)

### MODERATOR

**Jerome BEILIN**, Programs Director, The Planetworkshops (France)

3:00pm/4:15pm

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## PLENARY SESSION 2

*How to face the impacts of the climate change on the water cycle?*

Climate change has real and quick impacts on the water cycle at the global scale. Indeed, global warming leads to fast melting of the ice-cap at the poles and fast melting of glaciers in the mountains. It also leads to atmospheric and rainfalls disturbances in different regions of the globe, some areas being hit by considerable high rainfalls, while other regions are hit by

important and frequent droughts. Climate migrations, floods, droughts, increase of natural disasters and geopolitical tensions related to resources exploitation are the first impacts and results of climate change on the water cycles. What solutions can we put in place in order to better anticipate these changes and to deal with the consequences of global warming?

#### INTRODUCTION

**Santi VILA I VICENTE**, Catalan Minister of Territory and Sustainability, Government of Catalonia

#### SPEAKERS

**Narciso BERBERANA**, Chief Executive Officer, Aqualogy (Spain)

**Josep Enric LLEBOT**, Secretary for Environment and Sustainability, Government of Catalonia (Spain)

**Javier MARTIN-VIDE**, PhD in Climatology and professor of physical geography, University of Barcelona (Spain)

**Yann TOMA**, University professor and researcher, Université Paris 1 Panthéon-Sorbonne ; President, Ouest-Lumière (France)

#### MODERATOR

**Dominique DE COURCELLES**, Research Director at CNRS; Lecturer at Ecole Normale Supérieure, Ecole Polytechnique and Paris Dauphine University; Member of the Water Academy (France)

4:15pm/5:30pm

#### FOCUS 2

*Informing to improve management: what tools should be used to raise inhabitants awareness about water and marine ecosystems preservation challenges?*

A better preservation of aquatic and marine ecosystems requires a commitment from all the stakeholders involved (public actors, private operators, civil society, etc.) but also from local inhabitants, who are the most vulnerable to environmental impacts. An integrated approach of research and innovation is crucial for a better understanding of the interconnections between watersheds, coastlines and zone and high-seas. It is also primordial to develop training in water management, to raise environmental awareness and to promote knowledge and data sharing around water and aquatic ecosystems. What tools should be used to better inform and raise awareness among local populations in order to preserve water resources and marine ecosystems? How to develop new, efficient and innovative tools to improve public awareness campaigns?

#### SPEAKERS

**André ABREU DE ALMEIDA**, Director of International Affairs, Tara Expeditions (Brazil)

**Damià BARCELÓ**, Director of the Catalan Institute for Water Research - ICRA (Spain)

**Mauricio PULIDO**, Fisherman and President of MedArtNet (Spain)

**Ousmane THIOUNE**, Minister Technical Advisor, Ministry of Labour, Civil Service and Professional Organizations; Director of Citizenship and Sustainable Development Association (Senegal)

#### MODERATOR

**Pere SECORÚN**, Director Thalassa Catalonia (Spain)

5:45pm/7:00pm

#### FOCUS 3

*Ports and the Euro-Mediterranean coastal zones: reinventing interfaces and conserving coastlines richness*

The Mediterranean represents a substantial area for trade and transport of goods and natural resources, mainly thanks to the great sea route between East and West via the Suez Canal. In order to maximize the benefits of the increasing world trade globalization, and to position themselves as key stopping points, Euro-Mediterranean ports have to adapt while following sustainable development goals. But the marine interfaces transformation can not be done only through ports. It also needs new transverse and integrated policy planning strategies, which would allow establishing clear synergies among different types of activities (food supply chain, aqua-farming, energies, transport, leisure...). The aim is to optimally reposition the land-sea interface by setting the European ports at the center of economic, social and cultural development and by giving back to coastal areas its environmental virtues. How to reposition ports as natural extensions of cities? How to reconnect various transport modes including roads, rail networks, sea transportations systems, while creating new freight zones in order to facilitate logistics at the interface between land and sea?

#### SPEAKERS

**Eric BANEL**, Director General, Armateurs de France (France)

**Jordi CARRERAS**, General Secretary, Catalan Association of Aquaculture (Spain)

**Esther GARCÉS**, PhD and researcher specialist of marine biodiversity, Catalan Sea Sciences Institute (Spain)

#### MODERATOR

**Luis VALDES**, Chief of Section for Ocean Science, Intergovernmental Oceanographic Commission of UNESCO (Spain)

7:00pm/7:30pm

#### CLOSING PLENARY SESSION

**Xavier TRIAS**, Mayor of Barcelona

**Salvador ESTEVE I FIGUERES**, President of the Diputació of Barcelona (Barcelona Provincial Council)



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