

Conference and meeting of the InterMediterranean Commission (IMC) of the Conference of Peripheral Maritime Regions (CPMR) Working group on Water and Energy - Valencia (Spain - 18.10.2016)

WATER MANAGEMENT IN THE MEDITERRANEAN AND RENEWABLE ENERGIES

CONFERENCE PROGRAMME:

Photovoltaic energy as an efficient tool to reduce the costs of pumps and reverse osmoses, reclaimed water and desalinization, in the framework of climate change and food sufficiency in Mediterranean countries.

Date: October 18, 2016

Time: 8:30-18:00

Venue: c/ Castán Tobeñas, 77 -Ciutat Administrativa 9 de Octubre. Edificio B-2 - Salón de Actos

8h30-9h00 Registration

9h00-9h30 Welcome and introduction of the works of the day

- Juliá Alvaro Prat, Autonomous Secretary for the Environment and Climate change.
- Davide Strangis, Executive Secretary, InterMediterranean Commission of the CPMR.
- Manuel Aldeguer Sánchez, General Director for Water

9h30-11h00 - Evidence of Climate change in water availability in Mediterranean regions. Possibilities to use renewable energies for reclaimed water and desalinization recycling.

- Session Moderator: José Vicente Benadero García-Morato, Subdirector for Planning and Hydraulic infrastructures 5'
- Photovoltaic energy, MASLOWATEN Project by Luis Miguel Carrasco Moreno, Researcher at the Solar Energy Institute of the Polytechnic University of Madrid, UPM 25'
- Experience of the IPA-Adriatic Programme by Paola di Salvatore, Managing Authority of the IPA Adriatic CBC Programme 5'
- Evidences of Climate change in the Mediterranean by Dr Millán Millán Muñoz, Foundation CEAM (Valencia) 25'
- Perovskitas Solar Cells by Hendrik Bolink, Researcher/Doctor - Institute of Molecular Sciences - University of Valencia 10'
- Brackish water reverse osmosis plant University of Alicante - Perspective from Vega Baja del Segura by Daniel Prats Rico, Professor at the University of Alicante - Higher Polytechnic School Center - Chemical Engineering Department 10'

11h00-11h25 - COFFEE BREAK - Edificio A Room

11h25-13h00 – State of play, experiences and results on the efficient management of hydric resources

- Session Moderator: Jaime Lora García, Professor of Chemical Engineering - Polytechnic University of Valencia 15'
- Energy efficiency and water transport by Enrique Cabrera Marcet, Professor of Fluid mechanics at the Polytechnic University of Valencia 25'
- Experiences on pumps and photovoltaic energy by Carlos Martín Álvarez, Industrial Engineer - Campotejar Regents Community 10'
- Aqua Domitia cross-cutting project by Frédérique Cancel-Tonellot, Regional Hydraulic and Water Resources Concession - Water and Risk Preventions Service – Department for Environment of the Region Occitanie 10' (by videoconference)
- State of play and perspectives in the Member Regions of the Intermediterranean Commission:
 - Dytiki Ellada (Western Greece) by Stefanos Papazisimou, Head of the Department of Economy and Water - Directorate for Environment & Spatial Planning 5'
 - Campania (Italy) by Mario Sica, Engineer and Public Officer in Regional Basin Authority of the center of Campania 5'
 - State of play and experiences in the Region Kriti by Maria Kandilogiannaki, Biologist - Dpt. of Environment and Spatial Planning - Region of Kriti 5'
 - Dakhla-Oued Eddahab (Morocco) by Moulay Bouttal Lambarki, Hydraulic Engineer and President of the Commission on Finance and Budget 5'
 - Sousse (Tunisia) by Abdeljlil Aflel, Regional Director of the Commission on Agriculture 5' (by videoconference)
 - Corse (France) by Stéphane Mendez, Studies and Works Engineer - OEHC (*Office d'Équipement Hydraulique de Corse*) 5' (by videoconference)

13h00-14h15: LUNCH Break - Edificio A Room

14h15-15h45 Reclaimed water quality control

- Moderator: Francesc Hernández Sancho, Group on Water Economy (University of Valencia) 20'
- Carbon footprint, cleaning of residual waters and conventional energy by Fernando Llavador Colomer, Quality Control Dpt. of the Public Entity of wastewater treatment (Entidad Pública de Saneamiento de Aguas Residuales) EPSAR 15'
- State-of-play of emerging contaminants in residual waters: consequences on environment and public health by Emma Martínez López, Research Working Group on Toxicology at the University of Murcia 15'
- Advanced analysis techniques for screening of emerging contaminants, metabolisms and degradation products in water by Felix Hernández Hernández, Professor of Analytical Chemistry - University Institute on Pesticides and Waters - University Jaume I in Castellón 15'
- New technologies for the elimination of emerging contaminants by María Isabel Iborra Clar, Professor of Chemical Engineering at the Valencia Polytechnic University - Institute for Industrial, Radiophysical and Environmental Safety 15'

15h45-16h15: COFFEE BREAK

16h15-17h35 - Alteration of Coastal aquatic ecosystems as a consequence of Eutrophication following the use of reclaimed waters or fertilizers

- Coastal eutrophication from the use of agricultural fertilizers, the Mar Menor case in Murcia by Miguel Ángel Esteve Selma, Professor of Ecology at the University of Murcia 15'
- Modification of coastal ecosystems from nutrients inputs by José Luis Sánchez Lizaso, Professor in the Department of Sciences of the Sea and Applied Biology at the University of Alicante 15'
- Nutrients inputs in the sea from irrigation channels by José Navarro Pedreño, Profesor of Pedology and Agricultural Chemistry - Dpt. of Agrochemicals and Environment - Miguel Hernández University 10'
- Main organic contaminant in coastal and transitional waters of the Comunitat Valenciana by Alberto Bouzas Blanco, Professor at the Chemical Engineering Dpt. of the University of Valencia - CALAGUA - Mixed Research Unit UV-UPV 10'
- Debate and conclusions by Jaime Lora García, Professor of Chemical Engineering - Polytechnic University of Valencia 20'

17h35-18h00 * Conclusions by Manuel Aldeguer Sánchez, Director General for Water

*** Closing by Joan Calabuig Rull, Council Delegate to the European Union**

IMC Members: APPROVAL OF THE POLITICAL DOCUMENT BY THE WATER AND ENERGY WORKING GROUP

Approval of the political document of the InterMediterranean Commission (IMC) of the Conference of Peripheral Maritime Regions (CPMR) dealing with the Water sector (Working group Water and Energy), in relation with the implication of administrations to:

- Develop a joint roadmap on desalinized and wastewater reclaiming for irrigation channels use
- Demonstrate the necessity to support the use of photovoltaic energy and other renewables as tools to reduce the costs of pumps and reverse osmoses, reclaimed water and desalinization, in the framework of climate change and food sufficiency in Mediterranean countries.