



## Special Session-SS13

### “International Observatory of Non-conventional water resources and associated renewable energies”

**24 March 2022 - 9:00 to 10:30 (Room 201 – CICAD)**

The Mediterranean and the Sahel are among the world's poorest regions in terms of fresh water, which leads them to use other types of water than lakes, rivers and aquifers, and which are therefore called non-conventional water resources: wastewater, which is treated to be reused, and salt water or sea water, which is desalinated. These mobilisations are developing rapidly in view of demographics and global warming, but at the cost of sharply rising energy consumption that goes against climate objectives.

Information on this rapidly evolving subject is incomplete, not updated, not validated and not shared despite the inventories of Aquastat, Desaldata or IRENA (International Renewable Energy Agency). International organisations such as AFD, EBRD or IEA spend significant funds for studies that only provide a partial and one-off picture of the situation.

Through its professional network and partners, IME has identified a strong expectation among water and energy stakeholders (planners, designers, builders, operators, researchers, etc.) for an international observatory that would gather and make accessible information on this topic (indicators, maps, installations, projects, experts, regulations, etc.) while allowing dynamic exchanges between countries. The sharing of experiences would thus make available the best practices or innovations in the technical, economic or social field, which are the only ones can achieve the SDGs. The launch of this observatory is possible thanks to the project prepared by IME and of which a prototype produced by a group of countries will be shown in Dakar.

As the topic is cross-sectoral outside of the regular sessions, it will be addressed during the Dakar Forum as ***a special session (SS13) which will take place on 24/03/2022 from 9.00 to 10.30 in room 201 CICAD.***

The project presented aims to make it possible to control the increase in the carbon impact of new techniques for desalination of sea water or reuse of wastewater, which are inevitable when natural water resources are exploited beyond their renewal capacity, despite all the prior efforts to save water by urban, industrial and agricultural consumers. This rapidly developing area of the water sector also involves the energy sector, via renewable energy supplies, either specifically dedicated to water installations or integrated into the electricity distribution network.

The theme contributes directly to MDG 6, including improving the efficiency of the water sector and reducing water stress, but it is equally designed to contribute to the NDC (National Assessed Contributions) objectives of the Paris Agreement.

The session will describe a pilot operation carried out in the Mediterranean and Sahel and its positive impact on all types of water and energy actors from different countries, through their cooperation under the facilitation of IME. The expected result is both the launch of a sustainable and bankable project and the involvement of actors from various countries in other regions in this project.

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### “International Observatory of Non-Conventional Water Resources and Associated Renewable Energy”

**24<sup>th</sup> March 2022 from 9:00 to 10:30**

**Room 201 – CICAD (80 seats)**

*Moderated by: M. Marc Garcia, IME General Secretary*

9:00-9:10	<b>Opening Speech</b> by M. Alain Meyssonier, President of the Mediterranean Water Institute (IME)
9:10-9:15	<b>Welcoming remarks</b> by M. Almotaz Abadi, Managing Director at the UfM Secretariat
9:15-9:30	<b>Presentation of the feasibility study and its recommendations</b> by the IME Expert Group: <ul style="list-style-type: none"><li>• M. Mokhtar Bzioui, President of the IME Technical and Scientific Committee</li><li>• M. Mohammed El Ghali Khiyati, REUSE Expert</li></ul>
9:30-10:10	<b>On-going activities, as a prototype of the future Observatory</b> by Countries and Partners: <ul style="list-style-type: none"><li>• Mrs. Concepcion Marcuello, General Directorate of Water, Spanish Ministry of Ecological Transition and Demographic Challenge representative</li><li>• Mrs. Latifa Dhaouadi, IME &amp; Mrs Paola Pommier, SCP « Methodological Guide for the implementation of REUSE pilot projects »</li><li>• M. Mohammed Bany-Mustapha, AWWEENA Jordan &amp; M. Issa Al-Wer, Ministry of Water and Irrigation Jordan</li><li>• M. Khaled Zaabar, SONEDE Tunisia</li></ul>
10:10-10:25	<b>Debate (Q/A)</b>
10:25-10:30	<b>Conclusion</b> by M. M. Loïc Fauchon, President of the World Water Council (WWC)

*Translation French-English provided*

*Supported by:*



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