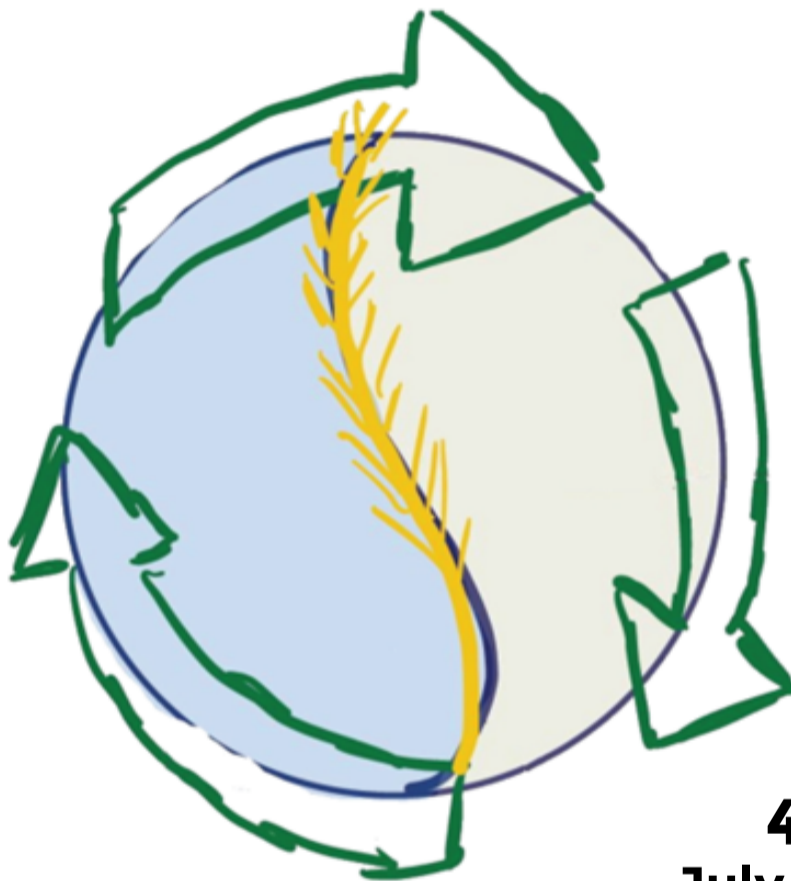




# MENAWARA

## NON-CONVENTIONAL WATER RE-USE IN AGRICULTURE IN MEDITERRANEAN COUNTRIES



**4 – 5  
July 2023**

**Sassari - Arborea  
(Italy)**

**REGISTRATION FORM**

<https://forms.gle/5T3NthQPQciCYH9r7>

**LINK TO ZOOM**

<https://us06web.zoom.us/j/87092241439>

### MENAWARA International Conference on sustainable water management: the use of non-conventional water in Mediterranean countries

### Research and cooperation towards a more sustainable water management

Project duration:  
01 September 2019 - 31 August 2023

DAY 1. July 4<sup>th</sup> / Department of Agricultural Sciences, Aula Magna Barbieri

9:00 Registration

9:30 Welcome addresses

University of Sassari  
Managing Authority  
Sardinia Region

**Session I: ENI CBC MED standard projects and sustainable water management using non-conventional water.**

*The aim of the session is to discuss the insights generated by the MENAWARA and other ENI CBC MED projects, which are relevant for sustainable water management in Mediterranean Regions and provide final recommendations.*

Chair: Alberto Carletti (Project Coordinator of the MENAWARA project, NRD-University of Sassari, Italy)

09:50 Irene Morell Rodriguez, Senior Expert - Environment and climate change | Joint Technical Secretariat (JTS) | ENI CBC MED Programme

10:05 MENAWARA Video presentation

10:15 Alberto Carletti (Desertification Research Centre, University of Sassari – NRD-UNISS, Italy); *Forested Infiltration Area in Arborea as a solution to help decrease excess nitrates in the aquifer*

10:30 Isabel Martin (Agencia de Medio Ambiente y Agua de Andalucía – AMAYA, Spain); *Nature-Based Solutions in women-led olive grove: MENAWARA contribution*

10:45 Taysir Arbasi (We World-GVC Onlus, Palestine); *Active engagement for a better governance: the experience of the living lab in Palestine*

11:00 Coffee Break

11:30 Thameur Jaouadi (Office National de l'Assainissement - ONAS, Tunisia); *The valorization of non-conventional water: the experience in Tunisia*

11:45 Naem Mazahrith (National Agricultural Research Center - NARC, Jordan); *The Menawara impact on the Jordanian water regulations (MENAWARA) and Sustainable Irrigation Management and NCW use (PROSIM)*

12:00 Roula Khadra (Mediterranean Agronomic Institute of Bari – CIHEAM BARI, Italy); *Mediterranean Living labs for a capitalization strategy on Non-conventional Water resource: the role of MENAWARA*

12:15 Konstantinos Plakas (Centre for Research and Technology – CERTH, Greece); *The AQUACYCLE APOC technology as an eco-innovative decentralized sanitation system for wastewater treatment and reuse in small and medium-sized communities (AQUACYCLE project) and 'The MEDiterranean pathWAY for innovation CAPitalisation toward an urban-rural integrated development of non-conventional water resources (MEDWAYCAP project)*

12:30 Fabio Masi (IRIDRA, Italy); *Integration of NBS in the urban structure for enhancing sustainability of water and nutrients recovery and reuse (NAMAMED project)*

12:45 Monther Hind/Maria Antonietta Dessena (Palestinian Wastewater Engineers Group - PWEG, Ente Acque Sardegna - ENAS, Italy); *New technologies for wastewater reuse and environment protection (MEDISS project)*

13:00 Discussion

13:30 Lunch

**Session II Research and cooperation towards a more sustainable water management**

*The aim is to focus on new collaborative pathway learning from previous experiences to contribute achieving the 6th Development Goal set by the United Nations: 'Ensure availability and sustainable management of water and sanitation for all.'*

14:30 PANEL DISCUSSION:

Chair: Giuseppe Enne

Session Moderator: Roula Khadra

Agnese Attene, ENI CBC "Mediterranean Sea Basin Programme"

Samira Shaban Pina, Union for the Mediterranean, UfM

Giovanni Stanghellini, Partnership for Research and Innovation in the Mediterranean Area (PRIMA program)

Raquel Marjuan Cuevas, CARTIF Foundation (NATMED Project, PRIMA)

Pier Paolo Roggero, University of Sassari – Desertification Research Centre

Alessandra Carucci, University of Cagliari

Giovanna Seddaiu, DesertNet International (DNI) and Global Network of Dryland Research Institutes (GNDRI)

Marta Debolini, Euro-Mediterranean Centre of climate change (CMCC)

16:30 Conclusion

20:30 Social dinner

DAY 2. July 5<sup>th</sup> / Field visit to Arborea 9.00 – 19.00

Case study of MENAWARA and MEDISS projects in Sardinia, Arborea is one of the most productive agricultural sites in Italy with a milk productivity among the highest in Europe. The intensive agricultural activity has caused groundwater nitrate contamination over the years and, for this reason, the area has been recognized as a Nitrate Vulnerable Zone since 2005. The intensive agricultural activity has caused groundwater nitrate contamination over the years and, for this reason, the area has been recognized as a Nitrate Vulnerable Zone since 2005.

09:00 Departure to Arborea

11:00 Visit to the Forested Infiltration Area system

13:00 Light lunch

14:00 Visit to MEDISS and RELIVE WASTE pilot site

15:00 Visit to Sardinian Heritage Sites

19:30 Arrival in Sassari