



AG-WaMED | Advancing non conventional water management for innovative climate-resilient water governance in the Mediterranean Area

Grant Agreement Number: 391 del 20/10/2022

Deliverable 6.3.2,3,4

AG-WaMED Masterclasses report

Partnership for Research and Innovation in the Mediterranean Area Programme (PRIMA)

The AG-WaMED project has received funding from the PRIMA Programme, an Art.185 initiative supported and funded under Horizon 2020, the European Union's Framework Programme for Research and Innovation. This project also received funding from the Italian Ministry of University and Research (MUR), Science and Technological Development Fund - STDF (Egypt), Ministry of Higher Education and Scientific Research - MESRS (Tunisia), Hellenic Republic, Ministry of Development and Investments (Greece), Agencia Estatal de Investigación (AEI) (Spain) and General Directorate for scientific research and technological development - DGRSDT (Algeria)



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This project is part of the PRIMA programme supported by the European Union. Grant Agreement Number No. [Italy: 391 del 20/10/2022, Egypt: 45878, Tunisia: 0005874-004-18-2022-3, Greece: ΓΓΡ21-0474657, Spain: PCI2022-132929, Algeria: N° 04/PRIMA_section 2/2021]



This project is part of the PRIMA programme supported by the European Union

Deliverable Identification

Deliverable No and Title	D6.3.2,3,4 – AG-WaMED Masterclasses report		
Grant Agreement No	391 del 20/10/2022	Acronym	AG-WaMED
Project Full title	Advancing non conventional water management for innovative climate-resilient water governance in the Mediterranean Area		
Funding Instrument	Partnership for Research and Innovation in the Mediterranean Area Programme (PRIMA)		
Call	PRIMA CALL SECTION 2 2021 – MULTI-TOPIC		
Work-Package No and Title	Work Package 6: Intensificating AG-WaMED (Communication, Dissemination and Exploitation)		
WP- Main Beneficiary	IRA		
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Task No and Title	Task 6.3 - Dissemination to the scientific community		
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Status	Draft <input type="checkbox"/> Final <input checked="" type="checkbox"/>		
Dissemination Level	Internal <input type="checkbox"/> Public <input checked="" type="checkbox"/>		
Reviewed by			
Abstract	The present report is produced as one of the deliverables for the task 6.3 of AG-WaMED. D6.3.2 provides a brief overview of the three carried-out project masterclasses.		
Key words			
DOCUMENT HISTORY			
Planned Release Date	28/02/2025 rescheduled to 31/03/2025	Actual Release Date	31/03/2025
Version	V1	Released Version No	V1

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Introduction

The present Deliverable is inserted in Task 6.3 “T6.3 Dissemination to the scientific community”. The task foresaw the development of:

- 4 peer-review open-access scientific papers on the project results
- Organization of 3 online master classes to present the on-going activities and results of the project
- Organization and participation in conferences, workshops, webinars and meetings at regional, national, and international level.
- Release of all experimental data as an open-source database (Zenodo or GitHub) (in connection with the European Partnership Agriculture of data and or MEL).

In particular, this deliverable marks the completion of the three planned project masterclasses which are described below.

Masterclass #1

The first masterclass was held on the 26th of June 2023. The masterclass' topics regarded the AG-WaMED project approach, with a focus on the LLs methodology, organized in three webinars of one hour each. 24 participants attended it.

The masterclass recordings and materials can be found at this link: <https://agwamed.eu/results>

The first masterclass' program is reported below:

AG-WaMED Masterclass

First edition

26.06.2023 – 9.15 Italian Time

9:15 – Welcome panel

Marco Orlando – Project Officer, Thematic Area Water Management PRIMA Foundation

9:30 – Webinar 1

The role of Non-Conventional Waters for Mediterranean Water Security: the AG-WaMED approach

Elena Bresci – University of Florence (Italy)

10:30 – Webinar 2

The Living Lab Approach for managing Mediterranean water resource

Mohamed Bahnassy – Alexandria University (Egypt)

11:30 – Webinar 3 (two sessions)

Simulation of Groundwater Artificial Recharge using Visual MODFLOW Flex software: a case study of Cheria basin, North-East of Algeria

Mouna Djellali, Omar Guefaifia, Chemseddine Fehdi – University of Tebessa (Algeria)

Development of a decision support tool for the management of water resources for sustainable development in the mining basin of Gafsa (Southwest Tunisia)

Fatma Karaouli – Institute of Arid Regions (Tunisia)

Masterclass #2

The second masterclass was held on the 20th of November 2023. It focused on the SWAT+ model with the title “Soil and Water Assessment Tool (SWAT) for sustainable water management in the Mediterranean Area” and was organized with three webinars of 45 minutes each (30’ presentation and 15’ of Q&A). 104 participants attended it.

The masterclass recordings and materials can be found at this link:

<https://agwamed.eu/results>

The second masterclass’ program is reported below:

AG-WaMED Masterclass

Second edition: the Soil and Water Assessment Tool (SWAT) for sustainable water management in the Mediterranean Area

20.11.2023 – 9.15 Italian Time

9.15-9.30: Introduction

The AG-WaMED Project

Giulio Castelli – University of Florence (Italy)

9:30-10:15: Webinar 1

Setting up the SWAT+ model

Lorenzo Villani, Ismail Bouizrou, Giulio Castelli – University of Florence

10:30-11:15: Webinar 2

Calibration and validation of the SWAT+ model

Lorenzo Villani, Ismail Bouizrou, Giulio Castelli – University of Florence

11:30-12:15: Webinar 3

Application of SWAT models in the dry Mediterranean Area

Fethi Abdelli, Mohamed Ouessar – IRA Medenine

Masterclass #3

The third masterclass, titled was held on the 20th of March 2025. It focused on the use of Non-Conventional waters in the Mediterranean area and consisted of three webinars of 45 minutes each (30’ presentation and 15’ of Q&A). 69 participants attended it.

The masterclass recordings and materials can be found at this link:

<https://agwamed.eu/results>

The third masterclass’ program is reported below:

AG-WaMED Masterclass

Third edition: Science and Practice of Non-Conventional Water (NCW) use in the Mediterranean

Joint Masterclass of [AG-WaMED](#), [AGREEMed](#) and [AGREEMAR PRIMA](#) projects

20.03.2025 – 9.15 Italian Time

9.15-9.30 - Introduction

The joint action of AG-WaMED, AGREEMed and AGREEMAR PRIMA projects and the way forward

Elena Bresci - University of Florence

9:30-10:15: Webinar 1

AGREEMed: Integrated Approaches for Sustainable Water Management in Mediterranean region

Soufiane Taia - National Thematic Institute for Water Research, University Ibn Zohr, Agadir, Morocco

10:30-11:15: Webinar 2

AGREEMAR: Prospect and potentials of managed aquifer recharge in the Mediterranean through NCW use

Catalin Stefan - Technischen Universität Dresden (TUD)

11:30-12:15: Webinar 3

AG-WaMED: Opportunities and barriers for Non-conventional waters at the Mediterranean scale

Melina Tobias, Maria Cristina Rulli, Davide Danilo Chiarelli - Polytechnic University of Milan; Jampel Dell'Angelo - VU Amsterdam; Luis Garrote - Universidad Politécnica de Madrid (UPM)