AG-WaMED

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

Section 2

Thematic Area: Water management
Budget: € 1,274,071.00
Duration: 36 months
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Université Larbi Tebessi de Tébessa, *UTEBESSA* – Algeria; Vrije Universiteit Amsterdam *VUA* – The Netherlands (in kind)

1 Problem statement and key objectives

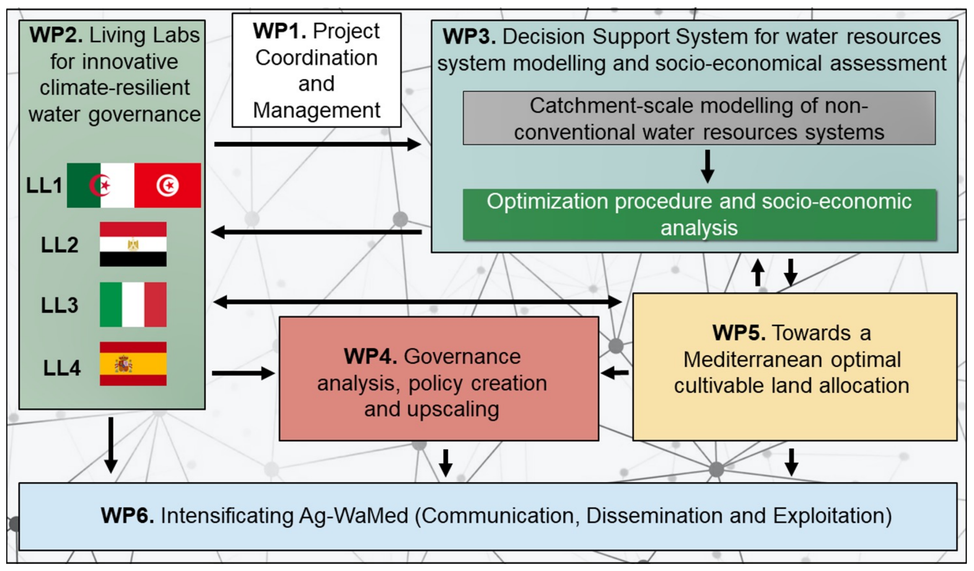
All water-demanding sectors will be negatively impacted by water scarcity due to climate change

MAIN OBJECTIVE: To **advance participatory governance for sustainable water allocation** by integrating non-conventional water sources in the Mediterranean area.

SPECIFIC OBJECTIVES:

- To **foster participatory and equitable water governance models** for Mediterranean catchments.
- To **innovate water resources and crop production systems modeling** procedures by **including Non-Conventional Water (NCW) sources to increase water availability,** considering climate change scenarios.
- To **narrow the implementation gap** between European, national, and international rules and societal and institutional **compliance**.

2 Brief summary of the methodology



Within the project **Living Labs**, different strategies of NCW management will be tested with **stakeholders**, with **multiple rounds of participatory modelling**. A study of optimal cultivable land allocation will be also carried out.

3 Key exploitable results (KERs)

KERs	Benefits
To define **an Innovative modelling and optimisation procedure** including NCW	To be exploited by **researchers** and to support **decision makers** to favour NCW technologies implementation
To produce **watershed management plans for LLs** including one transboundary case	To be proposed to **river basin management administration and local and national government** - considering socio-economic and climate change scenarios to improve water management
To prepare a **Policy document for upscaling and out-scaling NCW** at Mediterranean scale and 5 at the National scale	To be exploited by **policymakers and institutions to increase water availability** which will benefit also civil society and industries in order to cope with climate change

Living Labs (LLs) in AG-WaMED

Spanish LL: Segura Basin

Tunisian/Algerian LL: Wadi El Kebir Basin

Italian LL: Orcia River Basin

Egyptian LL: Wadi Naghamish Basin

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