MADFORWATER

Project ID: 688320

Funded under:
H2020-EU.3.5.4. - Enabling the transition towards a green economy and society through eco-innovation

DevelopMent AnD application of integrated technological and management solutions FOR wasteWATER treatment and efficient reuse in agriculture tailored to the needs of Mediterranean African Countries

From 2016-06-01 to 2020-05-31, ongoing project | MADFORWATER Website

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 4 039 418,75</td>
<td>WATER-5c-2015 - Development of water supply and sanitation technology, systems and tools, and/or methodologies</td>
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<tr>
<td>EU contribution:</td>
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<tr>
<td>EUR 2 910 868,75</td>
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<td>Coordinated in:</td>
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<td>Italy</td>
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<td>Call for proposal:</td>
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<td></td>
<td>H2020-WATER-2015-two-stage</td>
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<td>See other projects for this call</td>
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<tr>
<td>Funding scheme:</td>
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<td>RIA - Research and Innovation action</td>
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Objective

Climate change and population growth are expected to exacerbate the water crisis of Mediterranean African Countries (MACs), where agriculture accounts for 80-85% of freshwater consumption. The aim of MADFORWATER is to develop a set of integrated technological and management solutions to enhance wastewater treatment, reuse for irrigation and water efficiency in agriculture in three MACs (Tunisia, Morocco and Egypt). MADFORWATER will develop and adapt to three main hydrological basins in the selected MACs technologies for the production of irrigation-quality water from drainage canals, municipal, agro-industrial and industrial wastewaters, and technologies for water efficiency and reuse in agriculture, initially validated at laboratory scale. Selected technologies will be further adapted and validated in four field pilot plants of integrated wastewater treatment/reuse. Integrated strategies for wastewater treatment and reuse targeted to the selected basins will be developed, and guidelines for the development of integrated water management strategies in other basins of the three target MACs will be produced, considering climate change, population increase and economic growth scenarios. The social and technical suitability of the developed technologies and non-technical instruments in relation to the local context will be evaluated with the participation of MAC stakeholders and partners. Guidelines on economic instruments and policies for the effective implementation of the proposed water management solutions in the target MACs will be developed. The project will lead to a relevant long-term impact in Egypt, Morocco and Tunisia in terms of increased wastewater treatment, wastewater reuse, food production and income in the agricultural and water treatment sectors, and decreased groundwater exploitation, water pollution and food contamination. The MADFORWATER consortium consists of 18 partners, 5 of which from the 3 MACs and 1 from China.

Related information

Report Summaries

Periodic Reporting for period 1 - MADFORWATER (DevelopMent AnD application of integrated technological and management solutions FOR wasteWATER treatment and efficient reuse in agriculture tailored to the needs of Mediterranean African Countries)
**Coordinator**

ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA
VIA ZAMBONI 33
40126 BOLOGNA
Italy

**EU contribution:** EUR 415,637,50

See on map

**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

**Participants**

INSTITUT SUPERIEUR DE BIOTECHNOLOGIE DE SIDI THABET
BIOTECHPOLET
2020 SIDI THABET ARIANA
Tunisia

**EU contribution:** EUR 149,750

See on map

**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

POLYTECHNEIO KRITIS
TERMA AGIOU MARKOU PLATEIA AGIOU TITOU
73132 CHANIA
Greece

**EU contribution:** EUR 215,000

See on map

**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

FACULTY OF SCIENCES OF TUNIS, UNIVERSITY OF TUNIS EL MANAR
CAMPUS UNIVERSITAIRE EL-MANAR
2092 Tunis
Tunisia

**EU contribution:** EUR 149,937,50

See on map

**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

STICHTING WAGENINGEN RESEARCH
DROEVENDAALSESTEEG 4
6708 PB WAGENINGEN
Netherlands

**EU contribution:** EUR 225,550

See on map

**Activity type:** Research Organisations

Contact the organisation
FACHHOCHSCHULE NORDWESTSCHWEIZ
BAHNHOFSTRASSE 6
5210 WINDISCH
Switzerland
EU contribution: EUR 0

INSTITUT AGRONOMIQUE ET VETERINAIRE HASSAN II
AVENUE ALLAL EL FASSI MADINAT AL
10101 RABAT
Morocco
EU contribution: EUR 170 000

UNIVERSITA DEGLI STUDI DI MILANO
Via Festa Del Perdono 7
20122 MILANO
Italy
EU contribution: EUR 190 000

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS FAO
Viale delle Terme di Caracalla
00153 ROMA
Italy
EU contribution: EUR 78 562,50

UNIVERSIDAD POLITECNICA DE MADRID
CALLE RAMIRO DE MAEZTU 7 EDIFICIO RECTORADO
28040 MADRID
Spain
EU contribution: EUR 210 600
CENTRO INTERNAZIONALE DI ALTISTUDI AGRONOMICI MEDITERRANEI
VIA CEGLIE 9
70010 VALENZANO
Italy
EU contribution: EUR 250 000

Activity type: Higher or Secondary Education Establishments
Contact the organisation

MINISTRY OF WATER RESOURCES AND IRRIGATION
Korniche El-Nil
12666 Giza
Egypt
EU contribution: EUR 150 000

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
Contact the organisation

INSTITUT NATIONAL DE RECHERCHE EN SCIENCES ET TECHNOLOGIES POUR L'ENVIRONNEMENT ET L'AGRICULTURE
RUE PIERRE GILLES DE GENNES 1
92761 ANTONY CEDEX
France
EU contribution: EUR 166 800

Activity type: Research Organisations
Contact the organisation

PNO INNOVATIEADVIES BV
LAAN VAN ZUID HOORN 15
2289 DC RIJSWIJK
Netherlands
EU contribution: EUR 226 000

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation

S.K. EUROMARKET LTD
SPYROU KYPRIANOU 44
3308 LIMASSOL
Cyprus
EU contribution: EUR 219 937,50

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
Contact the organisation
ROLLAND-ARROSEURS SPRINKLERS
ZA LE SAUVAGE 235 LE SAUVAGE
73410 MOGNARD
France

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

EU contribution: EUR 93,093,75

KROFTA AMERICA LATINA SA
HINTERBERGSTRASSE 26
6330 CHAM
Switzerland

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

EU contribution: EUR 0

NANJING UNIVERSITY
HANKOU ROAD 22
210093 NANJING
China

Activity type: Higher or Secondary Education Establishments

Contact the organisation

EU contribution: EUR 0

Last updated on 2017-07-14
Retrieved on 2018-10-12

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