



**Interreg  
Greece-Italy**

European Regional Development Fund



EUROPEAN UNION

**IR<sub>2</sub>MA**

# **Large Scale Irrigation Management Tools for Sustainable Water Management in Rural Areas and Protection of Receiving Aquatic Ecosystems**

kickoff meeting  
Arta, GREECE  
14/5/2018



# The IR2MA project

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**IR2MA Project manager**

Cooperation Programme Interreg V/A Greece-Italy 2014-2020

1<sup>st</sup> CALL FOR ORDINARY PROJECT PROPOSALS

Large Scale Irrigation Management Tools for Sustainable Water  
Management in Rural Areas and Protection of Receiving Aquatic  
Ecosystems

**IR2MA**

## IR2MA

Start: **spring 2018**

Duration (months): **24**

Total final budget: **901.477,98 € (54% GR, 46% IT)**

## **Priority axis (PA): 2 Integrated Environmental Management**

**Thematic objectives (TO)/ Priorities: 06-Preserving and protecting the environment and promoting resource efficiency**

Investment Priority: 6f-Promoting innovative technologies to improve environmental protection and resource efficiency in the waste sector, water sector and with regard to soil, or to reduce air pollution

**Specific Objective (SO): 2.3** Developing and testing of innovative technologies / tools to reduce marine and air pollution

# 1<sup>st</sup> Call & Programme Body Decisions



**in Specific Objective (SO) 2.3, from 19 submitted proposals, 3 were approved**

**1. TECHNOLOGICAL EDUCATIONAL INSTITUTE OF EPIRUS**  
([TEIEP](#), LB1 - Lead Partner)

**2. REGION of EPIRUS** ([ROE](#), PB2)

**3. ISTITUTO SCIENZE DELLE PRODUZIONI ALIMENTARI**  
([ISPA/CNR](#), PB3)

**4. ISTITUTO AGRONOMICO MEDITERRANEO – BARI** ([IAMB](#), PB4)

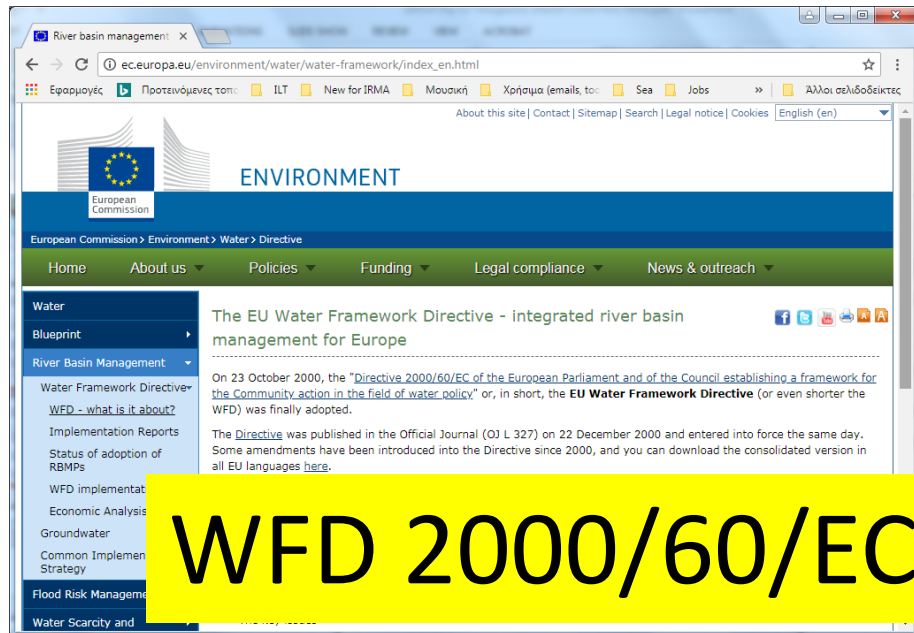
**5. CONSORZIO PER LA BONIFICA DELLA CAPITANATA** ([CBC](#), PB5)

**6. REGION OF PUGLIA** ([ROP](#), associate partner)





# Brief summary



**WFD 2000/60/EC**



**irrigation**



**central systems**



**pollution**



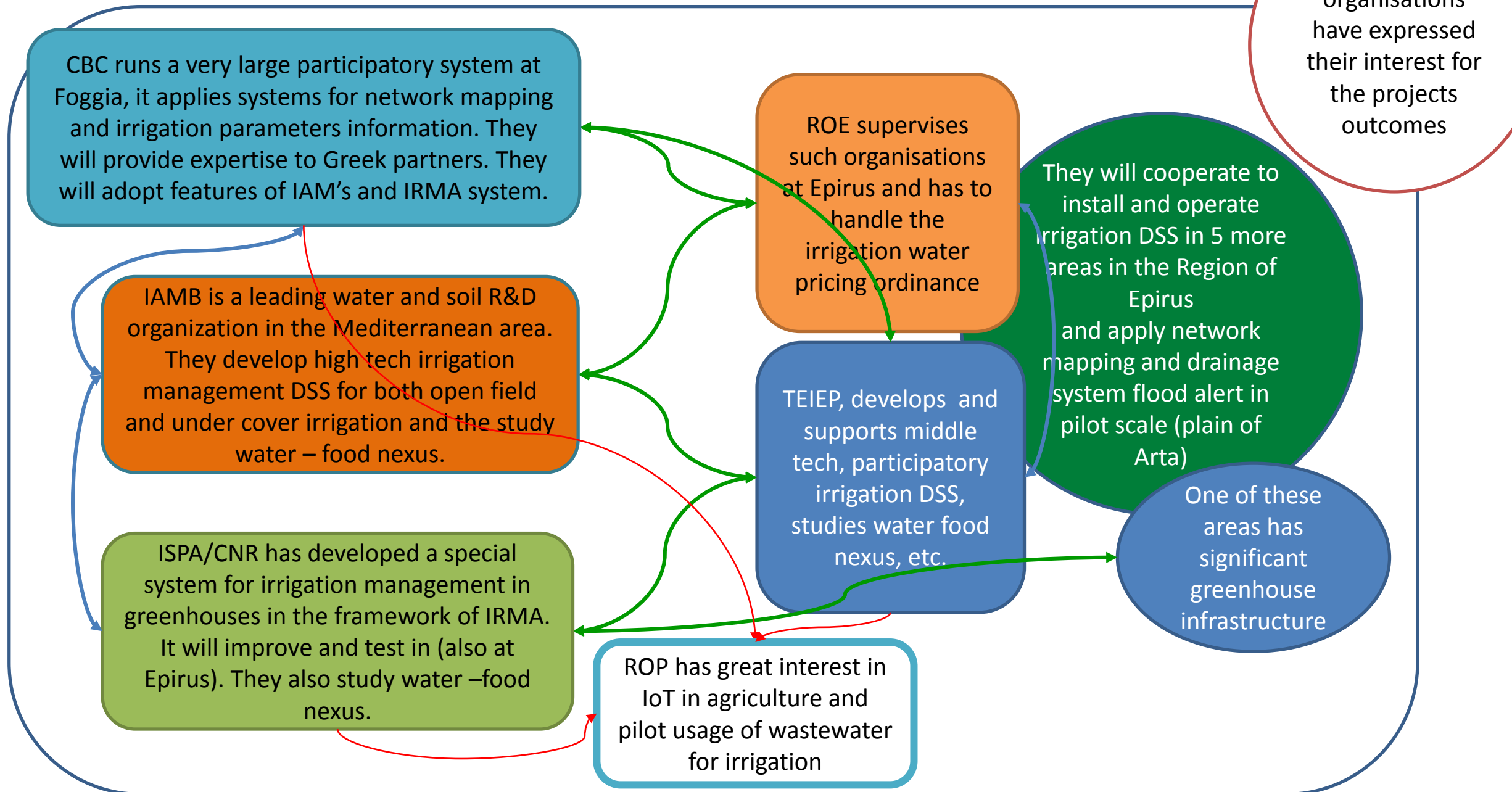
**data & management**



**protection**

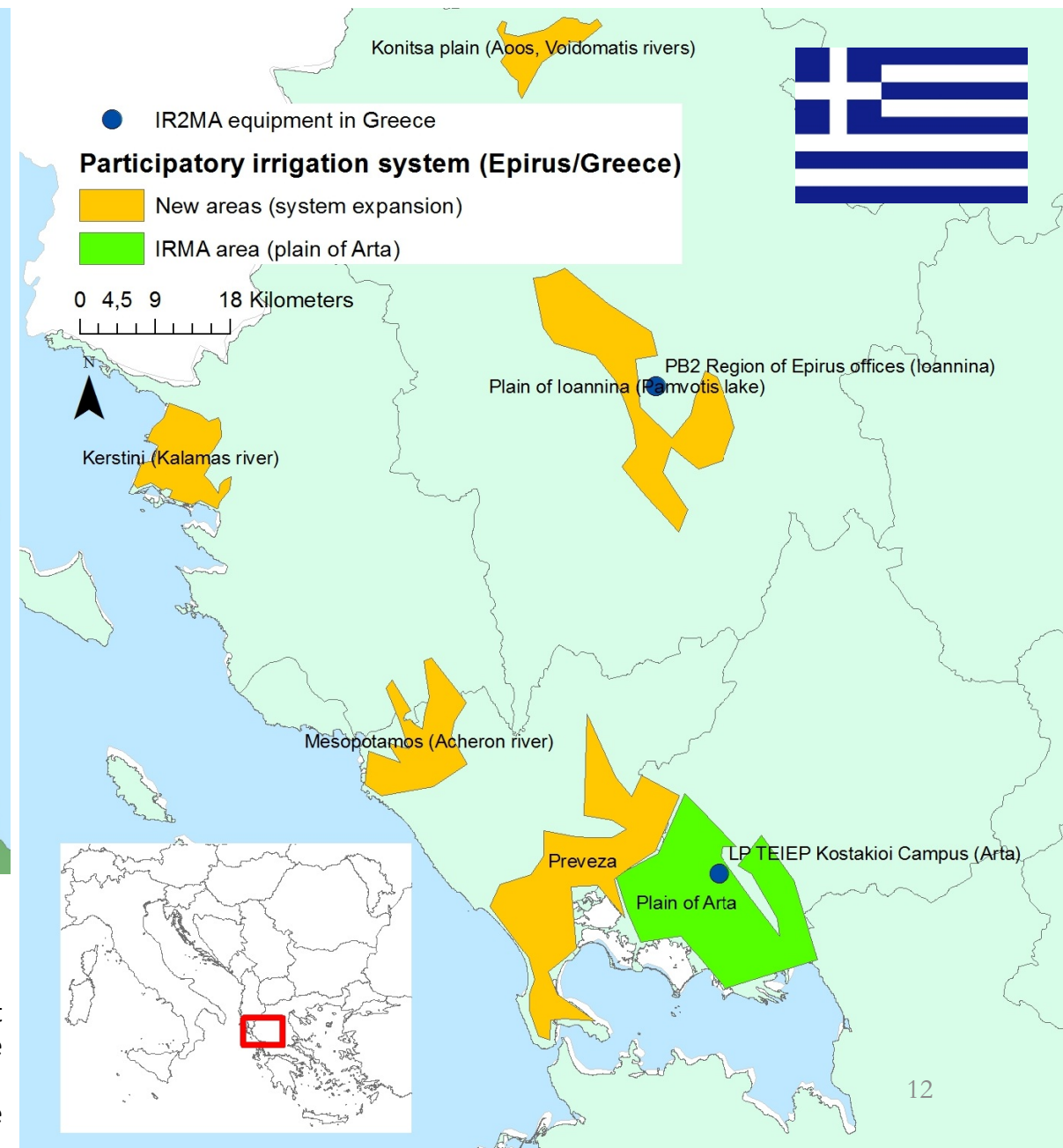
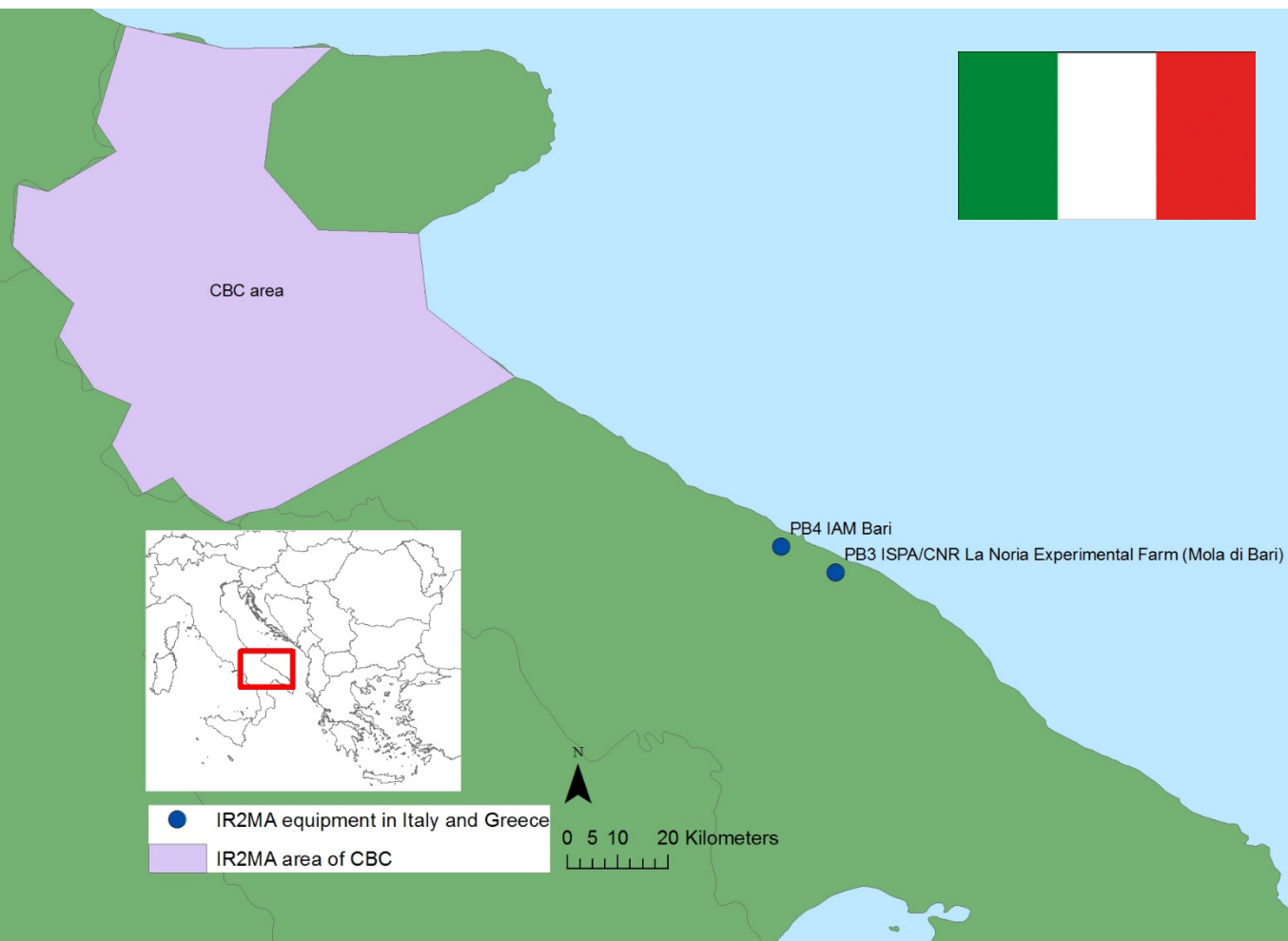


# IR2MA basic tasks and links



- 1. extension of the network of knowledge and expertise exchange**
2. improvement and extension of the DSS for irrigation-drainage recommendations of Arta plain to major plains of the Region of Epirus
- 3. help desk and support services for its use**
4. mapping, infrastructure registration and web-presence of participatory irrigation-drainage systems in Epirus
- 5. develop of a pilot flood alarm system for the drainage system of the plain of Arta**

6. fine tuning of the DSS that is in operation in the area of Capitanata
- 7. monitor water flow characteristics (in both qualitative and quantitative terms) in selected participatory irrigation–drainage systems**
8. development and testing of a DSS tool for irrigation scheduling using conventional and non-conventional waters
- 9. evaluation of crop response to irrigation with treated waste water and possible environmental implications**
10. events, informative material and demonstration sites



Check the scale of the maps: the image for the area in Italy should be almost doubled sized in order to be compared to the image for the area in Greece

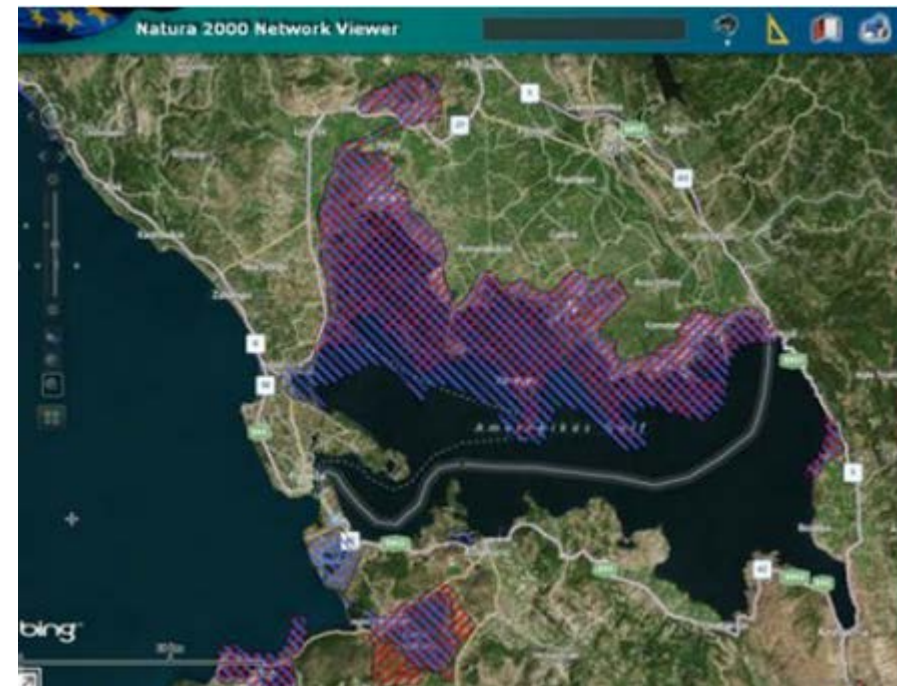
The size of implementation areas on the maps is indicative and not accurate

1. facilitate the implementation of WFD 2000/60/EC
- 2. improve water usage and thus relief pressure on freshwater consumption**
- 3. contribute to improved drainage control: reduction of contamination of receiving aquatic bodies, contribution to reduction of flood damage**
4. benefit end-users from reduced water and energy costs that arise from inefficient irrigation management



# Support due to expected results

- wetlands of Capitanata  
(**Trinitapoli**)
- wetlands of **Amvrakikos Gulf**  
(Arta, Preveza)
- **lake Pamvotis** (Ioannina)
- mouth and **wetlands of Acheron river** (Preveza)
- mouth and **wetlands of Kalamas rivers** (Thesprotia)



# Work packages

WP	TITLE
1	Management costs
2	Information and publicity
3	Mainstreaming efficient irrigation and drainage practices
4	Cooperation with Water and Land Reclamation Organisations and Environmental Agencies
5	Demonstration activities and applied research
6	Activities outside of eligible area

This is a programme that funds development projects, so installation of existing technologies, adaption to local conditions, evaluation, technical assistance, training regarding their use, dissemination of good practices and results are of main interest, research has to be implemented only through this framework.

## Output Indicators

Code	Title	Measurement unit	Target
O0519	Number of jointly developed management and support tools in the field of natural and cultural heritage	No	1
O0520	Number of jointly developed management and support tools in the field of biodiversity and environmental protection	No	1
O0521	Number of supported cross border cooperation structures and networks in the field of environmental technologies	No	1

## Result Indicators

Code	Title	Measurement unit	Target
R0504	Total protected site areas in the eligible Programme regions	Km <sup>2</sup>	5.000
R0505	Level of capacity of regional and local authorities and public utilities operators to integrate environmental friendly processes and technologies in their operations with special attention to the coastal and maritime zones	%	10



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