European Commission
Direction General Research

Project Coordinator: Dr. Alberto Puddu
Consiglio Nazionale delle Ricerche, CNR - IRSA, Italy

Sixth Framework Programme
Global Change and Ecosystems

Work Block 1
Coordination of field activities and Stakeholders Fora

Work Block Leader:
National Technical University of Athens , Greece
Contact person : Prof. Dionisys Assimacopulos

Work Block 2
Characterisation of water stress

Work Block Leader:
Universitat Osnabrück, Germany
Contact person: Dr. Maria Manez

Work Block 3
Water Stress mitigation options

Work Block Leader:
Consiglio Nazionale delle Ricerche
I.R.S.A. Istituto di Ricerca sulle Acque, Italy
Contact person: Dr. Giuseppe Giuliano

Work Block 4
Integrated Solutions Support System

Work Block Leader:
Rijk sinstituut voor Inte graal Zoetwaterbeheer en Afvawaterbehandeling,The Netherlands
Contact person: Dr. Michiel Blind

Work Block 5
Implementation, testing and evaluation of identified solutions

Work Block Leader:
Cemagref , France
Contact person: Dr. Dominique Rollin

Work Block 6
Dissemination, training and schooling

Work Block Leader:
CIHEAM - IAMB
Mediterranean Agronomic Institute of Bari, Italy
Contact person: Dr. Mladen Todorovic

Work Block 7
Project Management

Work Block Leader:
Consiglio Nazionale delle Ricerche
I.R.S.A. - Istituto di Ricerca sulle Acque, Italy
Contact person: Dr. Alberto Puddu

AquaStress
Integrated Project

Mitigation of Water Stress through New Approaches to Integrating Management, Technical, Economic and Institutional Instruments

Stage 1: Identification of Case Study Water Stress conditions

Stage 2: Selection of water stress mitigation options

- Option: Action or specific measure to mitigate water stress issues in a region
  - Technical options
    - Crop pattern selection
    - Improved irrigation practices
    - Reclaimed water use
    - Wastewater treatment
    - Best Management Practices
    - Reservoir management
    - Water saving
    - Water supply enhancement
  - Non-technical options
    - Economic instruments
    - Institutional instruments
    - Options for capacity building
    - Stakeholder engagement through the AqS monitoring and evaluation process

Stage 3: Implementation and assessment of options

- Analysis of options using either field tests or modelling (or other) tools, such as
  - Benchmarking activities for best olive irrigation practices
  - Water balance modelling of an industry
- Evaluation of options and AQS process
  - Stakeholder participation throughout the implementation process
  - Workshops for the presentation and discussion of results with stakeholders
- Integration of results towards Test Site specific recommendations
  - Sectoral recommendations (e.g. sustainable agriculture)
  - Recommendations on the process for water stress mitigation

The expected final AQS outputs

- Case Study outputs
  - Plans and guidelines for sustainable agriculture practices
  - Policy recommendations for sectoral water stress mitigation
  - Water saving plans in selected industries
- Project level outputs
  - Integrated Solution Support System (I3S)
  - Strategic guidance documents:
    - Thematic reports (Industrial water saving, Sustainable agriculture Economic instruments, Public participation ...)
    - Integrated reports (Testing and evaluation of water stress mitigation options, Guidance on water stress mitigation options...)

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