
Working Group 2 - Synthesis Integrated Water Resources Management

Teodoro Estrela Monreal
Permanent Technical Secretary of MENBO



2nd Mediterranean Water Forum
Murcia, 26-27 November

Index

- Case studies (Jordan, Spain and IME/SCP)
- IWRM approach
- IWRM general issues
- Recommendations for an improved IWRM

Jordanian case study

- IWRM in Jordan built on 3 main governance aspects: appropriate policies and strategies for sustainable development; establishing institutional framework; creating management instruments.
- IWRM national plan: resources mobilisation, stakeholder participation, National Water Information System, development of indicators for water resources management, etc.
- Several projects, plans and initiatives to implement IWRM.

Spanish case study

- Long tradition in basin management: associative formula between Administration and users to foster hydraulic works and water uses bearing in mind the river basin interests.
- Severe groundwater overexploitation for urban and agricultural uses
- Measures: inter-basin transfers, non-conventional resources, irrigation modernisation, abstraction control (remote sensing, etc.), substitution of groundwater resources for surface resources, etc.

IME/SCP Case study

- XXX

IWRM approach

- IWRM is the practice of making decisions and taking actions bearing in mind multiple points of view on how to manage water in order to harmonise demand satisfaction and the definition and achievement of environmental objectives for water bodies.
- Co-ordinates water management across sectors and at different scales. It emphasises involvement in national policy and law making processes, establishing good governance and creating effective institutional and regulatory arrangements.

IWRM issues

- Difficulty to access available resources
- Water demand increase
- Climatic changes
- Stress on water resources

How to improve IWRM

- IWRM principles in national water management frameworks through joint planning and use of water supply increase and water demand management measures.
- Prevention of overexploitation, by reaching a good status (monitoring systems for water quality and quantity).
- River Basin Management Plans elaboration and updating including users' associations and stakeholder participation for decision-making.

How to improve IWRM

- Integrated multidisciplinary water management; solutions to balance environmental protection and sustainable economic development and adaptation of legal and administrative approaches.
- Allocation of water to major water users and uses, (equity and development needs).
- Merging of the water quality improvement and water scarcity mitigation objectives.

How to improve IWRM

- Effective monitoring systems with essential management information; identification and action for law infringements.
- Planning of land use, agriculture, urban development, hydropower, navigation, flood protection, all have potentially important impacts on water resources.
- Formation of management frameworks for transboundary waters.

Thank you for your
attention!