

BeWater:

Making society an active participant in water adaptation to global change

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A collaborative response to Global Change





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Bottom-up approach

BeWater



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The BeWater project promotes dialogue and collaboration between science and society for sustainable water management and adaptation to the impacts of global change in the Mediterranean.





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Science in Society: BeWater Project

- Duration
 42 months
- Starting
 01/10/2013
- Consortium 11 countries
- Coordinator
 - Anabel Sánchez CREAF





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BeWater Project: 4 Pilot Cases

Includes an innovative, stakeholder-driven method of societal transition towards a more sustainable, resilient and adaptive river basin management



Promotes the **transfer** of BeWater results **into management and adaptation policy**



Promotes **mutual and multi-directional learning** among partners, entities and actors within and between the river basins and with the broader society



Enhances **social participation** and builds **societal resilience**





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BeWater: Adaptive water management

Stakeholder-driven method, of societal transition towards a more sustainable, resilient and adaptive river basin management.



BeWater: building resilience

Dialogue and collaboration between science and society

Participatory methodology



Co-creation of specific Adaptive River Basin water management plans



Outscaling results to other areas





BeWater methodological protocols/ information on:

- Data gathering
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- Water Management Option formulation & evaluation
- Stakeholder engagement
- Policy analysis
- River Basin Adaptation Plans
- Handbook of lesson learnt & best practices
- Recommendations to policy makers



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BeWater proposals for freshwater availability and access

- Supply management:
 - Improvement of water regulation infrastructure
 - Enhancing water reuse
 - Rainwater harvesting
 - Unconventional water production
 - **Demand management:**
 - Water saving technologies and best practices
 - Water entitlement regulation
 - Water user associations
 - Economic instruments •







Rmel



BeWater proposals for freshwater availability and access

- Health of water ecosystems:
 - Implementation of environmental flow regime
 - River space recovery
 - Restoration of wetlands and hydrologic connectivity
 - Protection of groundwater recharge areas
 - **Protection of water quality:**
 - Improvement of water treatment plants and sewage systems
 - Reduction of diffuse pollution
 - Reduction of salt intrusion in groundwater







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Conclusions

- Global change exhacerbates challenges which are currently already experienced, therefore it is crucial to engage society in building a sound diagnosis of the basin.
- An iterative approach between science and society allows to enrich and consolidate relevant information to develop solutions and envision opportunities.



Water management for adaptation to global change calls for **better cooperation between competent authorities** for a truly integrated approach.



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Thank you.



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