Abengoa Water experience on the European Innovation Partnership on Water

Seville, 21th of January 2013





NOVIWAM Final Conference

Connecting authorities, researchers and businesses on water management RTD&I

21-22 January 2013, Seville (Spain)

Index

- EIP on Water
- Structure
- Priorities
- How to participate





EIP on Water

Background

Selected sectors (for competitivenes and leadership)

Water Efficiency	Healthy Active Ageing		Agricultural sustainability	
Raw Materials		Smart Cities		Smart Mobility

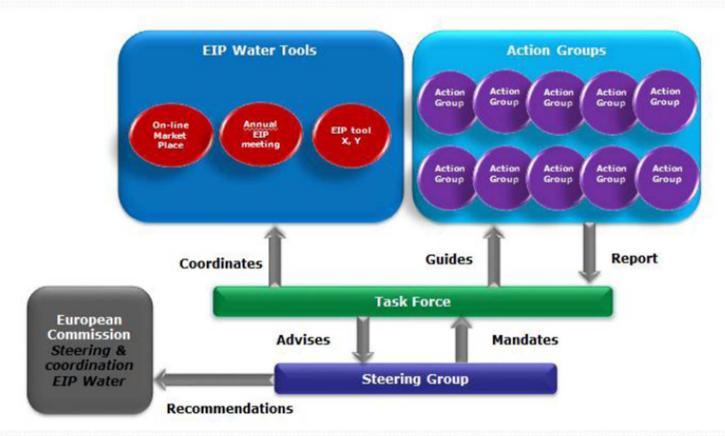
Aim

- To speed up innovations that contribute to solve societal challenges, enhance Europe's competitiveness and contribute to job creation and economic growth.
- Market opportunities!





EIP on Water: structure







EIP on Water: priorities

Cross-cutting issues Financing for innovation Water governance Management models and monitoring Risk Mgmt Water-Water and **Ecosystem** Water reuse and waste of extreme services energy recycling water water nexus treatment events Smart technology (enabling factor) Vision and objectives

Selected from a consultancy matrix

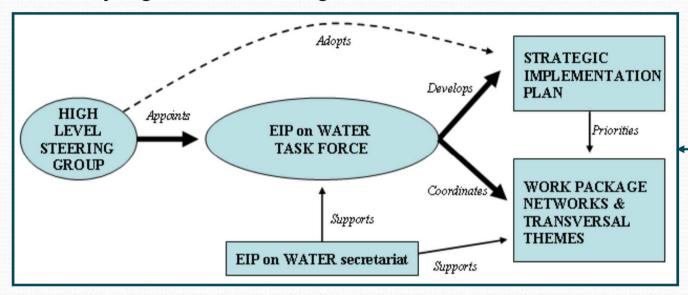
Developed in the Strategic
 Implementation Plan: SIP





EIP on Water: how to participate

Relying on Technological Platforms





WG. Global Water Cycle

WG. Promotion of the eco-innovation.
WG. Air quality and climate change.
WG. Waste, soil, sediment and other materials.
WG. Sustainability assessment of environmental technologies.



Review of the SIP





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Priority



EIP on Water: how to participate

Water reuse and recycling

Include Urban water reuse and recycling.

Wastewater recycling for aquifer replenishment (to avoid saline intrusion and/or as natural water services). Fracking water treatment and recycling.

Water and wastewater treatment

Alternative water resources (underground water treatment and seawater desalination).

Change micro-pollutants and pharmaceuticals per priority pollutants and emerging pollutans.

Water and energy nexus

The use of renovable energies for water treatment.

Make a diference between less developed regions and more developed regions.

Use of waste water in crops for producing energy.

Risk management of extreme events

Decisions support systems based on potential risk cuantification at a river basins level.

Management models and monitoring

Monitoring quantity and quality.

Water governance

Include virtual water flows.

Public awarness about water value, wastewater treatment and reuse.

Ecosystem services

Include virtual water flows.

Public awarness about water value, wastewater treatment and reuse.

Smart technologies

Micro fuel cells, forward osmosis, advanced oxidation process, supercritical oxidation, membrane destilation.





Thanks for your attention

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