

## FP7 FINAL CALL FACTSHEETS ON STRATEGIC PRIORITIES- WATER

### Facts & figures

Water is essential for life but growing populations and climate change exacerbate problems related to pollution, over-exploitation and depletion of resources, leading to degradation of water quality and aquatic ecosystems. A sound scientific basis is needed to inform policy and achieve sustainable management of water resources. Water is also of high economic importance, with a market for products and services estimated to be as large as \$ 1 trillion by 2020. The European water sector is an economic player of growing importance (1% of GDP) with an average growth rate of 5% and a turnover of about €80 billion a year. Innovative technological solutions to address water challenges will be critical for the European water industry to consolidate its position in the global market.

**How much do we plan to invest in 2013?** Approximate budget €98 million

#### Environment Work Programme

- €40 million for 'Water efficiency and innovation demonstration projects' and 'Ensuring the integration of water and innovation demonstration projects and support to trans-national networks of procurers'
- €30 million for 'Water resources management under complex, multi-stressor conditions', 'Toxicants, environmental pollutants and land and water resources management' and 'Contribution to the assessment of global water resources through the use of new Earth Observation datasets and techniques'

#### KBBE Work Programme

- €18 million for 'Saving water and energy for resource-efficient food processing'

#### NMP Work Programme

- €10 million for 'Nanotechnology-based sensors for environmental monitoring'

### What results do we expect?

- 'Water resources management under complex, multi-stressor conditions'
  - holistic approaches and tools to support decision making in multi-stressor conditions for targeted management measures to mitigate impacts and improve water
- 'Toxicants, environmental pollutants and land and water resources management'
  - more knowledge about emerging pollutants and mixtures of toxic compounds for the design of abatement options and future revision of the Priority Substances Directive.
- 'Contribution to the assessment of global water resources through the use of new Earth Observation datasets and techniques'
  - better assessment of global water resources
- 'Water efficiency and innovation demonstration projects'
  - demonstration projects in the areas of urban, rural water and industrial water management to develop, test and disseminate innovative solutions.
- 'Ensuring the integration of water and innovation demonstration projects and support to trans-national networks of procurers'
  - a platform for public authorities to jointly develop, test and collectively implement innovative procurement (including pre-commercial) policies in the water sector
- 'Nanotechnology-based sensors for environmental monitoring'
  - sensors for environmental monitoring, including clean- and waste-water monitoring.
- 'Saving water and energy for resource-efficient food processing'
  - provide a means for significant and simultaneous saving of water and energy along the entire length of the post-harvest chain in the food industry