

Our Living Labs

Our research is based on specific problems in six European coastal cities and regions that have great ambitions to tackle their challenges and opportunities by implementing water-smart technology and management solutions.

1 Alicante - Spain

Special focus

Improve water-smartness in the municipality of Alicante by incrementing water reuse and boosting circular economy opportunities.

2 Bodø - Norway

Special focus

Zero emission urban development, improved management of the wastewater stream, improved air quality.

3 East Frisia - Germany

Special focus

Increasing the carrying capacity of water supply by identification of alternative resources, intelligent protection strategies for groundwater bodies and improved treatment of process water for reuse in milk production.

4 Flanders - Belgium

Special focus

Development of regional concepts for improving and monitoring water-smartness and a more robust water system, with a focus on safe water reuse.

5 Lisbon - Portugal

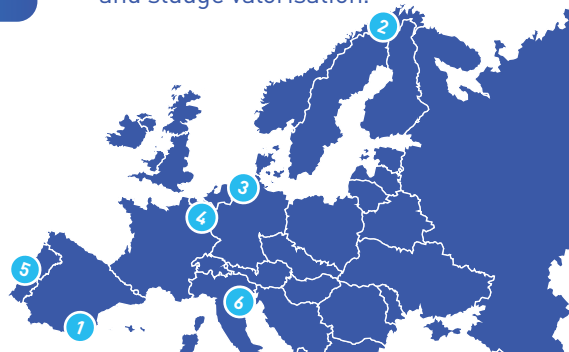
Special focus

Development of tools and processes to facilitate safe water reuse, improve water-energy-phosphorous efficiency in municipal non-potable water uses, contribute to improve households and buildings' climate readiness regarding water and energy with an assessment/certification tool developed locally but with an ambition for national/European adoption.

6 Venice - Italy

Special focus

Enable and complete the water reuse (industrial, agricultural and urban) goal of a regional/national plan for lagoon protection, apply nutrient recovery technologies to waste water treatment plants (WWTPs) and develop shared evaluation model-tools for the sustainability of WWTP effluents and sludge valorisation.



Find out more about B-WaterSmart and follow us on social media under:



b-watersmart.eu



B-WaterSmart: Transformation to water-smart economies and societies

Project Partners



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B-WaterSmart, what we do

The water sector is facing a number of global challenges and transformation processes regarding climate, demography and economy. There is a need for water systems that are supportive of a thriving economy and more resilient to climate change impacts. B-WaterSmart will foster this development by enabling future-proof, systemic innovation towards water-smart societies and a more circular economy. We:



Enable systemic innovation through Communities of Practice and Living Labs



Foster resource recovery, circular economy, and ecosystem regeneration



Manage water demand



Prevent water pollution



Exploit the potential of smart resource allocation, recycling, reuse and the recovery of energy and materials



Stimulate new business opportunities, marketing concepts and cost-effective regions



Facilitate a water-smart culture



Demonstrate the gain in water-smartness as a novel and holistic concept



Create water-smart coastal regions, new governance approaches, alternative water resources, digital solutions and vulnerability approaches



Boost European and international collaboration, accessibility and replication, exchange and uptake of innovations

Integrated approach, how do we do it

B-WaterSmart builds strong links between the technological, societal and governance dimensions through a systemic innovation approach in Living Labs that includes but goes far beyond technology. The new water-smartness concept and assessment framework paves the way for water services towards more sustainable and resilient systems.

We enable water utilities to:

- Run a comprehensive diagnosis
- Solutions prioritization
- Assessment of alternative scenarios
- Monitoring of performances



This is based on participatory co-creation of solutions by Communities of Practices (CoP's) and collaborative work with stakeholders to develop solutions for societal, regulatory and governance issues.

Expected results, what we get

