

How to get in touch with us

A B-WaterSmart assessment framework dashboard will be available online by the end of the project (2024). You will find the link to it and more about the B-WaterSmart project and our water-smartness assessment framework on our website.

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b-watersmart.eu



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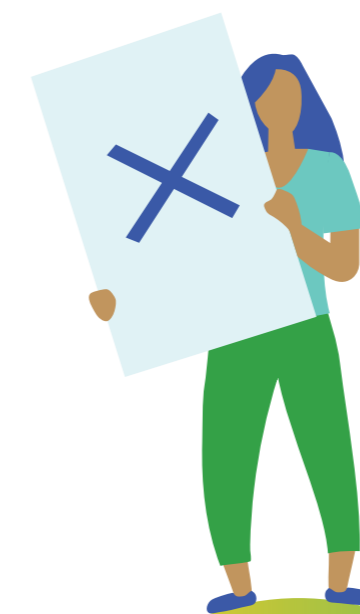
How does the B-WaterSmart assessment framework work?

The B-WaterSmart assessment framework assists decision-makers and practitioners in long-term strategic planning toward their visions of a water-smart society. The framework features a list of strategic objectives with specified assessment criteria. Each criterion in turn is described with a set of metrics which assess the distance from a set target.

Strategic Objective	Assessment Criteria
 A. Ensuring water for all relevant uses	A.1 Safe and secure fit-for-purpose water provision A.2 Accessibility and equity (for people and for other uses) A.3 Financial viability
 B. Safeguarding ecosystems and their services to society	B.1 Safeguarded water ecosystems B.2 Enhanced ecosystem services to society B.3 Resource efficiency
 C. Boosting value creation around water	C.1 Circular policy making C.2 Circular economy growth C.3 Resource recovery and use
 D. Promoting adaptive change towards resilient infrastructure	D.1 Enabling planning to promote adaptive change towards circularity and resilience D.2 Implementing adaptive change towards resilient infrastructure D.3 Effectiveness of the adaptive change towards resilient infrastructure (diagnosis)
 E. Engaging citizens and actors across sectors in continuous co-learning and innovation	E.1 Awareness and knowledge E.2 Multi-sector network potential E.3 Stakeholder engagement processes

How the framework doesn't work

The framework does not help identifying specific technical solutions, but rather highlights areas of improvement and opportunities for more circularity. It also covers the technical, economic, environmental, social, and governance dimensions needed to be successful. This also means promoting public acceptance on innovation and creating the finance and policy mechanisms supporting the innovation uptake and ultimately circular economy.



How to become water-smart with the B-WaterSmart assessment framework



The B-WaterSmart project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 869171.

What is a water-smart society and how do we become one?



By acknowledging that **change is needed**



By being **sustainable** and careful with the environment



By **enabling citizens and other actors** to be included in the change



By being **flexible and adapting** to complex and changing conditions (e.g. climate change)



By a radical system change from a linear into a **circular economy**

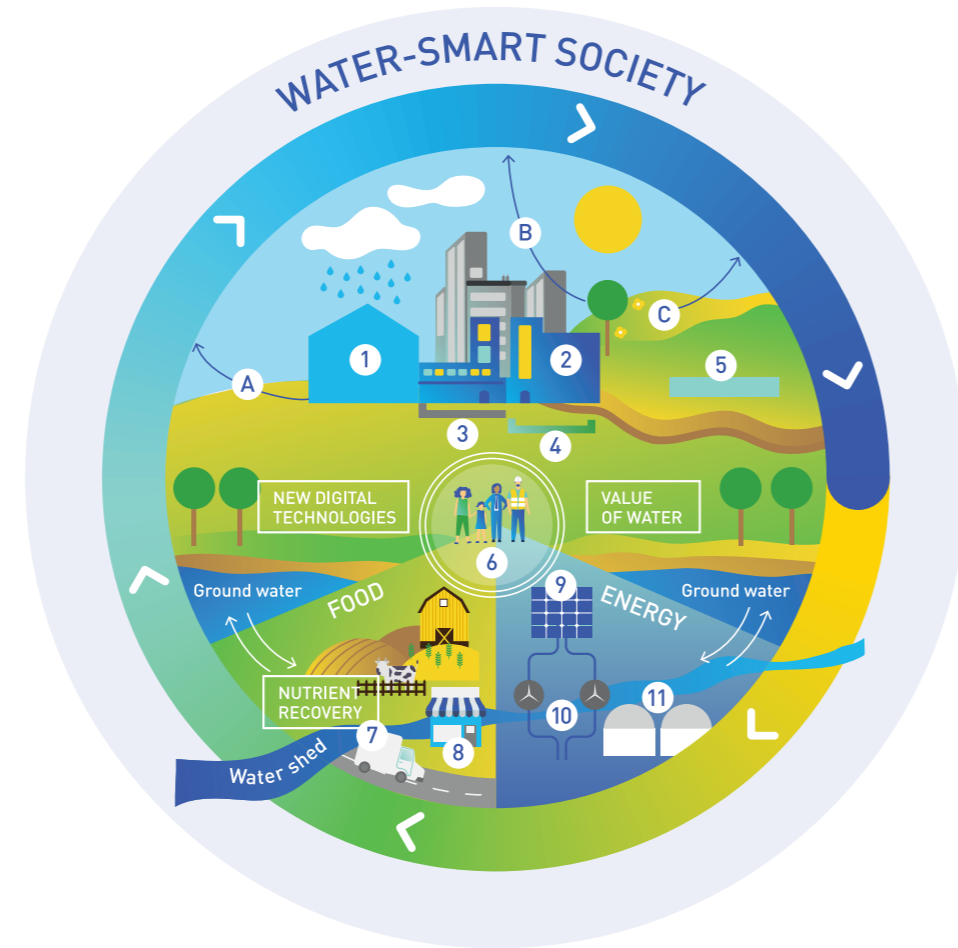


By **conserving ecosystems and resources** in the long run



By generating **regional strategies** with the B-WaterSmart assessment framework

The strategic objectives of the B-WaterSmart assessment framework reflect our definition of a water-smart society.



1. Smart water use consumers
Rain water harvesting
2. Water- smart buildings
3. Greywater infrastructures
4. Greenwater
5. Sewage treatment
6. Citizens and stakeholders
7. Food

8. Restaurant
9. Solar
10. Micro turbines
11. Biogas
- A. New planning and decision-making
- B. Climate change adaptation
- C. Treated waste water reuse

What is a Circular Economy?

According to the European Parliament “...circular economy is a model of production and consumption, which involves **sharing, leasing, reusing, repairing, refurbishing and recycling existing materials and products as long as possible.**”

In other words, circularity involves a loop that uses waste, and in this context wastewater, as a source for something new, therefore creating more value. The concept is a departure from the consume-and-throw-away pattern and instead relies on the re-use of materials of all kinds, reducing real waste to a minimum.

A circular economy recognizes the full potential of water because it is a valuable resource, a source of energy, an input to processes, and a carrier of nutrients and other materials, among other things. Strategies to achieve a circular economy in water include the optimization of water use in agriculture, industry and municipal use, matchmaking between different industries (e.g. the water effluent or nutrients from an industry could be an input for another), recovery of rainwater, recovery of nutrients from wastewater and even the use of reclaimed water for irrigation, urban or even drinking purposes.

**Repair,
re-use and
recycle!**



What is the B-WaterSmart assessment framework?

To shape a water-smart society, the B-WaterSmart project developed an assessment framework for multi-stakeholder and strategic decision-making for the transition towards a water-smart society.

The framework allows the active participation of a varied set of actors. It puts focus on the multiple essential values, benefits and risks of water while also including its economic, social, and ecological dimensions as well as its diverse cultural meanings.

Why should you use the B-WaterSmart assessment framework?

The B-WaterSmart assessment framework assists decision-makers and practitioners in long-term strategic planning toward the realisation of their water-smart society visions. The framework guides them in the selection of their strategic objectives and in performing the assessment of how well they score versus their set targets.

“The B-WaterSmart Assessment Framework is perfectly suited to support the implementation of our vision of achieving a Water-Smart society where the value of water is recognised and realised to ensure water security, sustainability, and resilience.”

Durk Kroel, Executive Director, Water Europe