



Advancing Sustainability of Process Industries through Digital and Circular Water Use Innovations

# AquaSPICE contribution to EU policy agenda

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**AquaSPICE final conference – 12 December 2024**



The AquaSPICE project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 958396.

- Assess the current European policies, regulations and standards.
- Recommend the required changes and shifts towards developing the novel water efficiency framework.
  - *E.g. Best Available Techniques*
- These would require a shift in business model(s) and rules related to the Water Efficiency Framework as well as the desired changes in policies.



### EU institution initiatives:

- EU Council Strategy Agenda
- EU Parliament
  - Resolution on Drought in 2022 call for a Strategy
  - Recurrent discussion on water crisis
- EESC and its EU Blue Deal
- The Committee of Regions opinions on water
- The EU commission and its **Water Resilience Strategy (WRS)**



### Digital tools & Water:

- EC - Rolling Plan for ICT standardization
- Joint call of Global Companies
  - *Vision on Digital Water*
  - *New report on the socio-economic value of water*
- Consideration of digital tools for reporting and new technology by the EU



### 1<sup>st</sup> Policy Brief – Water Resilience Strategy

- Provide a holistic approach by breaking the existent silos to empower cross-domain decision-making and enabling industries to share data.
- Provide incentives to facilitate the integration of digital monitoring systems in water-smart symbiosis practices.
- Foster the interoperability and accessibility of the data to enable circular economy and process symbiosis strategies.
- Support Circular transition of water in small and decentralised communities.

*Main target: DG ENVI Unit in charge of the WRS and the EP shadow rapporteur and rapporteur*

### 2<sup>nd</sup> Policy Brief – Leverage the benefits of Digitalisation

- Encourage agile managing approaches. By regularly assessing progress, identifying challenges, and making timely adjustments, the project was able to maintain momentum and achieve its objectives effectively.
- Foster collaborative approach among the different stakeholders to develop the relevant innovative solutions, facilitate knowledge sharing, and adoption of the solutions by industries.
- Set up mechanisms to monitor emerging standards, technologies, and best practices. This continuous alignment ensures the solutions remain up-to-date with industry trends.
- Support active engagement with standardisation organisations such as ETSI, ISO, CEN.
- Encourage the implementation of standards and interoperability framework, such as FIWARE, in real-world scenarios to enhance efficiency, reliability, and scalability in water management practices.
- Encourage the integration of SAREF Ontology developed by ETSI to facilitate the semantic interoperability.

*Main targets: DG CONNECT/ENVI, [European multi-stakeholder platform on ICT standardisation \(MSP\)](#), industries and MEPs*



## Questions:

1. From your perspective as an AquaSPICE project member, what policy recommendation is still needed?
2. As an external stakeholder (not part of the AquaSPICE project), what is your main take-away of the different presentations for the policy makers?





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# Thank you!