



WATERVERSE

MAKING DATA MORE INTEROPERABLE TO CONNECT WATER STAKEHOLDERS FOR IMPROVED DECISION-MAKING



The challenges

The actual use of data in the water sector is hindered by strong data ownership approaches (data retention) due to the perception that data sharing is a risk for confidentiality leakage and for other security aspects of critical infrastructures, unclear business models, poor quality of data (not reliable, too scattered, not usable, not available in real-time and not sharable) as well as the fragmentation and conservative attitude of the water utilities end-users.



What WATERVERSE will do

The WATERVERSE mission is to develop a Water Data Management Ecosystem (WDME) for:

- ▶ making data management practices and resources in the water sector accessible, affordable, secure, fair, and easy to use
- ▶ improving the usability of data and the interoperability of data-intensive processes
- ▶ lowering the entry barrier to data spaces
- ▶ enhancing the resilience of water utilities
- ▶ boosting the perceived value of data and therefore the market opportunities behind it.



WATERVERSE approach

- ▶ Actively **engage** end-users and stakeholders to assess the main gaps and challenges the water sector and contribute to quality European data spaces.
- ▶ **Identify, extend, and integrate** a wide set of data management tools to implement the Water Data Management Ecosystem (WDME).
- ▶ **Comprise** building blocks, tools, and methods to ensure security and energy efficiency of the whole WDME.
- ▶ **Setup and demonstrate** the WATERVERSE WDME in a real environment with relevant and diverse case studies involving water sector stakeholders from 6 countries.
- ▶ **Set** clear and measurable indicators for assessing the **fairness of data** in water-related data spaces.
- ▶ **Ensure** the viability and sustainability of the WATERVERSE WDME, as well as its replicability, scalability and business applicability.



The project's outcomes

- ▶ Contribute to the EU goal in becoming a globally attractive, secure and dynamic data-agile economy.
- ▶ Provide the first-of-its-kind next generation water-cycle data space.
- ▶ Enable the European single market for data, with the corresponding water data spaces and trustworthy AI ecosystems.
- ▶ Deliver unique services to a highly decentralized market into Smart Water Network technologies.



6 PILOT USE CASES



PILOT 1

Location: province of North Holland, Netherlands



PILOT 2

Location: municipality of Borchten, Germany



PILOT 3

Location: Limassol, Cyprus



PILOT 4

Location: Devon and Cornwall, UK



PILOT 5

Location: Andalusia, Spain



PILOT 6

Location: Finland

KEY FACTS

- ▶ **Start date:** 01 October 2022
- ▶ **Duration:** 36 months
- ▶ **Budget:** €4,510,509.90
- ▶ **Project coordinator:** Centre for Research and Technology Hellas (CERTH)

CONTACT US

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