



The water digital sector faces a lack of integration and interoperability of data and communication technologies solutions which impedes the emergence and standardised processes within the legislative framework. Fiware4Water intends to bring the digital water to the water sector for a better management and better engagement with the society.

DUPLICATING FIWARE SUCCESS STORY IN THE WATER SECTOR

The European Fiware4Water project comes from one original idea: link the water sector to FIWARE.

FIWARE is a curated framework of open source platform components to accelerate the development of innovative solutions. With an Open Source approach, FIWARE is defining a universal set of open standards for context data management that eases the development of smart solutions, based on FIWARE technology, in multiple sectors.

FIWARE Ecosystem is represented by more than 100 cities, a network of FIWARE iHubs (currently 15), + 300 members from 35 countries, + 1500 developers, a marketplace and several strategic programmes, partnerships and alliances to foster the uptake of FIWARE technologies worldwide.

Fiware4Water demonstrates FIWARE success story and efficiency in the water sector by:

- developing solutions to make better use of the value of data for the water sector,
- developing and testing robust and cyber-secured systems,
- creating water-smart solutions and applications for better water monitoring devices and sensors,
- illustrating the benefits of systems interoperability (sensors, legacy systems, open data, etc.).

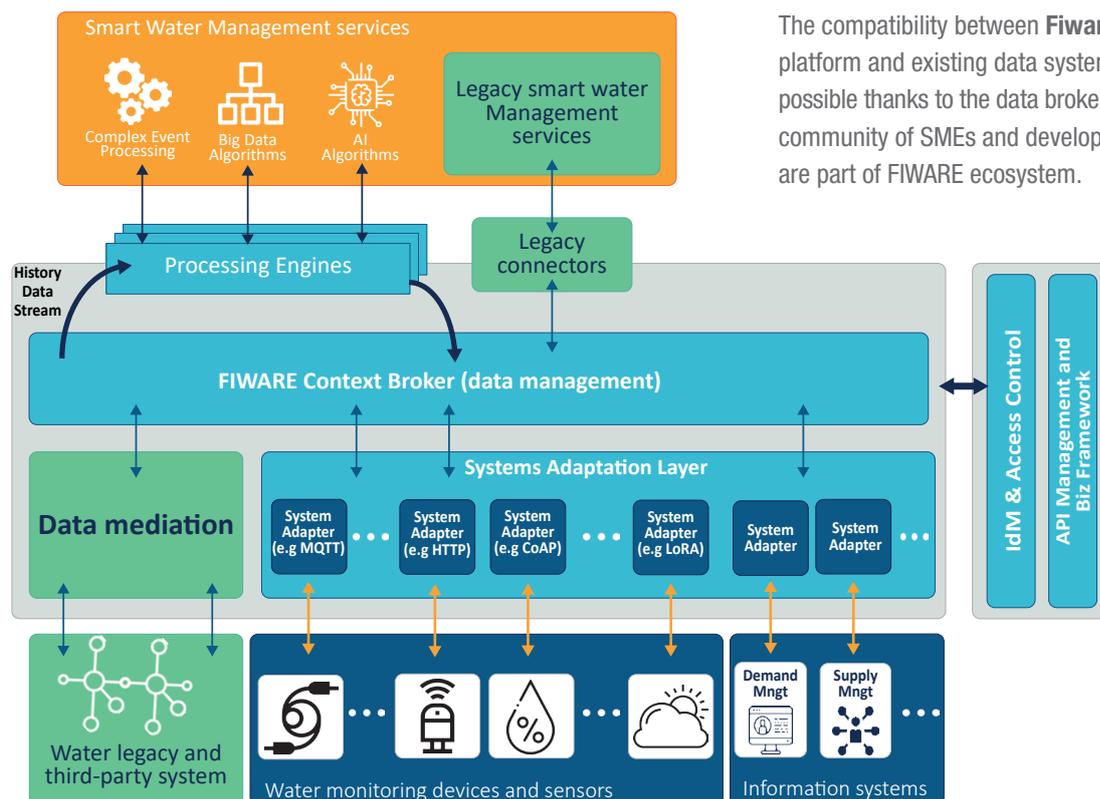
FIWARE4WATER ecosystem opens up innovation in the water domain by accelerating SMEs involvement

Fiware4Water proposes solutions combining technological, social, capacity development and business dimensions, addressed to different stakeholders (water managers, utilities, municipalities, SMEs and start-ups, software industry, general public, etc.) in order to tackle the barriers and the water digital sector's needs.



FIWARE is a good way to adapt to existing structures while boosting data intelligent applications

Fiware4Water architecture is being developed to boost innovation in a compatible way with existing data systems of water utilities and operators. The adapted Fiware4Water platform will also enable intelligent additional functions to be seamlessly plugged such as Big Data module, Artificial Intelligence, Complex Event Processing adding intelligence to the data collected.

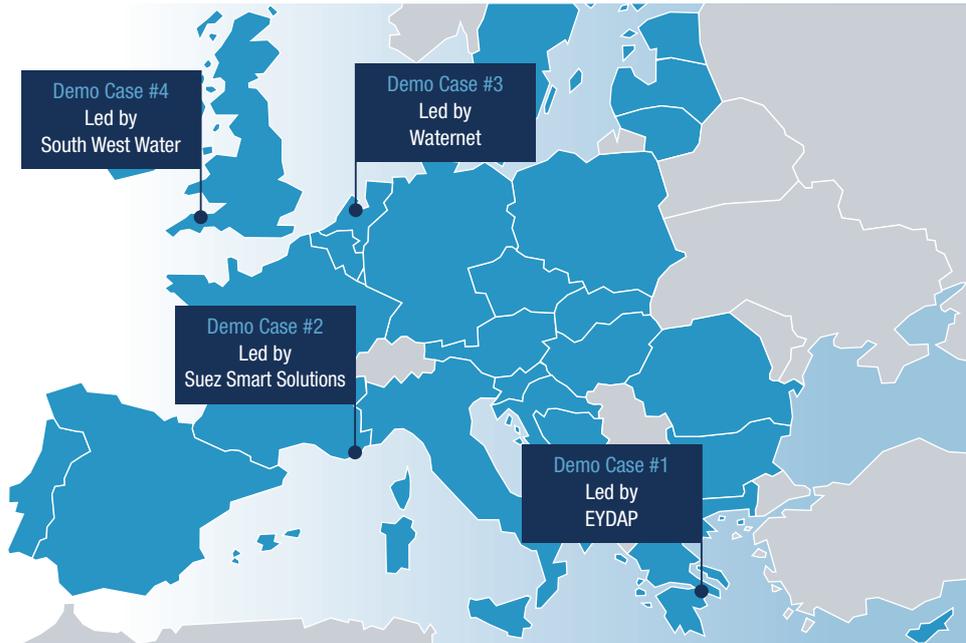


Demonstration of FIWARE4WATER platform and smart solutions



Four **Fiware4Water Demo Cases** are deployed dealing with specific aspects of digital water and solutions to demonstrate specific Smart Applications and Smart Devices across the entire water cycle throughout Europe.

- Demo Case #1 • Greece**
Athens • Water supply system real time operational management
- Demo Case #2 • France**
Cannes • Improving the water supply system
- Demo Case #3 • Netherlands**
Amsterdam • Intelligent control for wastewater treatment
- Demo Case #4 • United Kingdom**
Great Torrington • Smart meters and customers



To go further and ensure **Fiware4Water** ecosystem building for data sharing, interoperability, smart applications integrated with legacy systems, 3 Demo Networks will engage with a wide audience of municipalities, water authorities and technology providers.

Demo Network #1 MUNICIPALITIES	Demo Network #2 WATER AUTHORITIES	Demo Network #3 TECHNOLOGY PROVIDERS
<p>LOWER DANUBE, THE MIDDLE EAST & NORTH AFRICA LED BY BUSINESS DEVELOPMENT GROUP</p> <p>Assessment of the potential for uptake of the Fiware4Water portfolio of smart devices and Apps in the area, based on the ConConsensus approach</p>	<p>INTERNATIONAL NETWORK OF BASIN ORGANISATIONS LED BY INTERNATIONAL OFFICE FOR WATER</p> <p>Organisation of 6 workshops to showcase the benefits of Fiware4Water smart applications and devices for managing water in an integrated way</p>	<p>FIWARE INNOVATION HUBS LED BY FIWARE</p> <p>Implementation of a technology transfer program to support water management-oriented SMEs, based on Fiware Mundus programme (incl. SMEs challenges)</p>

FIWARE4WATER in a nutshell

14 PARTNERS

Experts in ICT, water and social sciences, coordinated by the International Office for Water

OUTCOMES

- Smart applications for raw water supply
- Smart applications for water supply
- Smart applications for water treatment
- Smart applications customers

FUNDING AND COORDINATION

Fiware4Water is a 3 years project (2019-2022) funded by the European Union's Horizon 2020 research and innovation programme under grant agreement No. 821036 coordinated by the International Office for Water

4 DEMO CASES

- Athens Water supply and sewerage (GR)
- Cannes Improving the water supply system (FR)
- Amsterdam Wastewater treatment (NL)
- Great Torrington Smart metering (UK)

3 DEMO NETWORKS

- Municipalities
- Water authorities
- Technology providers

A consortium belonging to...

Fiware4Water consortium, led by the International Office for Water (OiEau) gathers 14 partners across Europe proposing altogether a pluri-disciplinary team with expertise in different domains.



... an ecosystem of initiatives

Fiware4Water is a member of the ICT4Water cluster, a hub for EU-funded research and innovation projects on ICT applied to water management. Currently, around 40 projects are members of the cluster.

<https://www.ict4water.eu>

Fiware4Water belongs to the Synergy Group DigitalWater2020

Scorewater: <https://www.scorewater.eu>

Naiades: <https://naiades-project.eu>

Digital Water City: <https://www.digital-water.city>

Aqua3S: <https://aqua3s.eu>



HOW TO JOIN US?

Fiware4Water website: www.fiware4water.eu

Follow us on social media : [@fiware4water](https://twitter.com/fiware4water)



If you belong to a digital water project, you can join the ICT4Water cluster

<https://www.ict4water.eu>

You are a SME and would like to participate to **Fiware4Water** SMEs challenges; You are a citizen and would like to join one of the 3 Demo Networks; You are a water utility and would like to get in touch with our Demo Cases and for any other digital water topic, contact us via email:

fiware4water@oieau.fr