

# ENHANCING STANDARDISATION STRATEGIES TO INTEGRATE INNOVATIVE TECHNOLOGIES FOR SAFETY AND SECURITY IN EXISTING WATER NETWORKS



## WHAT IS aqua3S ABOUT?

aqua3S will create much-needed standards to support the safety and the security of drinking water by combining sensor technologies with state-of-the-art detection and analytics mechanisms.

## WHAT ARE THE OBJECTIVES?

- Creation of new or update existing standards for the safety and security of drinking water.
- Creation of strategies and methods to be adopted by water facilities for easily integrated water safety solutions.
- Proposition of innovative water safety sensor technologies.
- Creation of early warning methods for water authorities.
- Creation of a problem-recording and new solutions collaborative system.
- Facilitation of authority involvement in water related crises.
- Creation of estimation methods for infrastructure resilience levels.
- Modelisation and classification of crisis events.

## EXPECTED RESULTS & IMPACT

aqua3S aims at creating standardized methods and strategies for all relevant stakeholders by foreseeing the improvement of innovation capacity and integration of knowledge in 5 main areas of innovation:

- ⊗ Innovation in substance detection in water
- ⊗ Innovation in data acquisition from UAVs and earth observation
- ⊗ Innovation in social media monitoring
- ⊗ Innovation in algorithms for threat detection and localisation in the existing water distribution networks
- ⊗ Innovation in crisis management modelling for enhance preparedness

## WHO ARE THE PARTNERS?



## WHERE ARE THE PILOTS?



- 📍 Trieste (IT)
- 📍 Thessaloniki (GR)
- 📍 Paris (FR)
- 📍 Lemesos (CY)
- 📍 Brussels (BE)
- 📍 Sofia (BU)

## ADDITIONAL INFO

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