





## Get In Touch

 @aqua3seu  
 aqua3S  
 www.aqua3s.eu  
 info@aqua3s.eu



1<sup>st</sup>  
Prototype  
Testing



**CERTH**  
CENTRE FOR RESEARCH & TECHNOLOGY HELLAS



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ENVIRONMENTAL TECHNOLOGIES



Autorità di bacino distrettuale delle Alpi Orientali



Water Board of  
Lemesos



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# Objectives

## First aqua3S prototype testing

- Support the Water Authority for monitoring the status of the sensors
- Provide the flood forecast based on risk analysis
- Detect anomalies in the water network
- Become a promising tool for daily assistance
- Raise alerts to users
- Serve as a baseline to build upon for an even more advanced 2nd Prototype!

**3**  
scenarios  
tested all with  
**successful**  
outcomes

## 3 Locations



TRIESTE



SOFIA



BOTEVGRAD

### Pilot case in Trieste: Blackout in wells & transboundary pollution scenario outcomes

- Complete overview of the current situation of the sensors for better monitoring the aqueduct through the 3D map and the analytics tab.
- Comprehensive risk assessment through the flood risk maps.
- Visualization of alerts related to sensors both on the map and on the separate tab in order to immediately notify the involved partners. The alerts are triggered when either a sensor is broken or when a sensor produces values outside the normal range.
- Ability to set up alert thresholds for each sensor.

### Pilot case in Sofia: Pollution event scenario outcomes

- Clear overview of the situation in the drinking water network and the dam through the 3D map and the analytics tab.
- Visualization of alerts related to sensors both on the map and on the separate tab in order to immediately notify the involved partners. The alerts are triggered when either a sensor is broken or when a sensor produces values outside the normal range.

### Pilot case in Botevgrad: Leakage incident scenario outcomes

- Clear overview of the situation of the reservoir through the 3D map and the analytics tab.
- Visualization of alerts related to sensors both on the map and on the separate tab in order to immediately notify the involved partners. The alerts are triggered when either a sensor is broken or when a sensor produces values outside the normal range.