

About INCAS³

▶ About us:

- ▶ Private, non-profit Dutch research institute that performs fundamental and applied research in the fields of sensing and monitoring.
- ▶ Our team: engineers, physical and cognitive scientists, and AI experts.
- ▶ Our activities are motivated by industry requests. Active in remote environmental monitoring, micro sensor applications, data and model based anomaly detection (e.g., water contamination), and radiation sensing (mining, security), among others.
- ▶ **Target call:** WATER-1b-2015
- ▶ **Interest:** Form consortium to develop a European level demonstrator/test facility to demonstrate water decision support systems via cyber-physical system technology

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Cyber-Physical Water Decision Support System

▶ **Target call:** WATER-1b-2015

▶ **Concept:**

- ▶ Large-scale, test facility combining a scaled-down reconfigurable water distribution network with a flexible wireless sensor/actuator control network (ICT)
- ▶ Monitoring and control of both hydraulic and water quality parameters.
- ▶ Standardized testing platform for sensor placement methods and sensor data processing for the monitoring of drinking water quality and continuous monitoring of (pipe) network integrity.

▶ **Partnership:**

- ▶ We are looking for project leader
- ▶ We are looking for partners wanting to test their own systems
- ▶ We are looking for a demo site
- ▶ We provide sensor/actuator technology, fault detection and monitoring algorithms, control algorithms

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