



“Gheorghe Asachi” Technical University of Iasi, Romania



POLLUTION DETECTION ON THE CYBERWATER PLATFORM

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Abstract

Following the implementation rules of EU INSPIRE Directive, we designed, developed and tested a system for pollution detection, alert and pollution propagation simulation on the Cyberwater platform. We address the challenge of providing public information about water quality parameters measured by Wireless Sensor Networks placed on the river shore. The system provides pollution alerts based on the analysis made on the monitored water parameters. Furthermore, it is able to estimate the concentration of the pollutant in a specific area and time-frame, based on a pollutant propagation equation.

Key words: remote monitoring; water quality; water management e-platform; wireless sensor networks

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