



“Gheorghe Asachi” Technical University of Iasi, Romania



INTEGRATED MANAGEMENT AND CONTROL SYSTEM FOR WATER RESOURCES

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Abstract

This paper presents an integrated system of management and control for water resources, designated to improve the process of finding sustainable solutions for the problems of water pollution according to EU regulations. It is known that, regardless of the type of the source of pollution, punctual or diffuse, the water quality for both surface and underground waters can be severely damaged. Consequently, measures have to be taken in order to reduce/suppress the water pollution. In order to improve the management of the information referring to water quality in Romania, as well as to quantitative and qualitative aspects of water pollution, the MIRASOL database has been created, accompanied by an user interface application. The software package has been created for the surveillance of the quality of underground water bodies with a depth up to 30m and of surface water bodies.

Key words: automatic management of water resources, underground water, water quality, water monitoring, water pollution

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