



“Gheorghe Asachi” Technical University of Iasi, Romania



ASSESSMENT OF THE WATER FRAMEWORK DIRECTIVE IMPLEMENTATION IN ROMANIA: CASE STUDY OF BEGA CATCHMENT

Codruta-Adelina Pepa

*Politehnica University of Timisoara, Faculty of Civil Engineering, Department of Hydrotechnics, 1 G Enescu Street, 300022
Timisoara, Romania, Email: adelinapodaru@yahoo.com*

Abstract

Water plays an important role in human life and equilibrium of the environment. The urbanization, industry and agriculture have a special impact on the biodiversity and water resources. The effects of pollution are not necessarily immediate; they can be seen after many years. In water resources management one important issue is the assessment of the water quality, which is directly connected with the amount of available water. The last decade showed that, due to increasing pollution, the management and control of water resources becomes a major priority, and the water quality monitoring is an important issue to be considered in all countries all over the world. In this context European Union has issued a working framework for water resources use and management, with the aim of obtaining good ecological status.

The paper herein looks at one particular case in the Romanian context, the Bega River, and tries to identify the pressures and impacts on the water resources in the Bega catchment area for the period 2005-2009. To establish the connections and influences between different pressures and impacts, data was collected and analyzed. The study presented herein focuses mainly on water quality in Bega river. The river is of transboundary nature, therefore the requirements on water quality are higher than in other rivers, because of the constraints that need to be fulfilled at the border between Romania and Serbia.

Key words: Bega River, Water Framework Directive, water quality, water resources

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