



PROGRAMUL DE COOPERARE ELVEȚIANO-ROMÂN  
SWISS-ROMANIAN COOPERATION PROGRAMME

## **Collaborative research study of the wastewater discharge impact in the BEGA-TIMIS river sub-basin (Romania)**

**Starting Date** 01.01.2013

**Duration** 24 Months

**Discipline** Impact of waste and pollutants on environment and climate



### **Main Goals**

The ultimate goal of this collaborative research study is the development of a robust methodology for the selection of water pollution control measures following the principles of eco-efficiency by developing a consistent DPSIR (Drivers-Pressure-State-Impact-Response) framework in Romania.

### **Activities**

- Analysis of pollution sources, status and performance of the current wastewater treatment
- Estimation of risks and impacts of the current and future emissions on the environment
- Identification of efficient environmental improvement measures and technologies
- Stakeholder analysis, information and capacity building
- Dissemination of research results

### **Expected results**

The developed framework will help to achieve relevant European legislative requirements, most notably of the Urban Wastewater Treatment Directive (UWWTD), the Directive for Integrated Pollution Prevention and Control (IPPC), its successor the Industrial Emissions Directive (IED), and the overarching Water Framework Directive (WFD), by economically feasible means. The methodology is developed and will be validated in the Bega-Timis river (sub-) basin, which is part of the Danube river basin.

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