

Water Quality Early Warning System

in a pilot demonstration on transboundary watercourses

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A scenic view of the Danube River flowing through a valley with steep, forested hills. A small boat is visible on the water. A semi-transparent blue banner is overlaid on the bottom right of the image.

About us:

VRIC Innovation Centre of Veszprém



- **VRIC** is an NGO with the mission
 - ✓ to enhance research and innovation, and
 - ✓ to function as a bridge between different stakeholders, like universities and companies.
- VRIC has participated in several **R&D PROJECTS**, where
 - ✓ elements of on-line water quality monitoring systems have been developed.
- EUSDR presence:
 - ✓ **MACRO-REGIONAL CONFERENCE**, 2013
 - ✓ **FEASIBILITY STUDY** - third year's progress report, 2014

VRIC & Environmental Institute s.r.o (2014): **INITIAL STUDY** Chapter 1-4, 2014

„Water Quality Early Warning System on Transboundary watercourses of the Tisza River Basin”

Our project:

idea and objectives



Adapt a **SUSTAINABLE AND LOW-COST ONLINE** water quality alert monitoring system (EWS) to a **PILOT DEMONSTRATION** cross-border area.

EWS is essential for

WARNING AND FORECASTING

of exceptional events and helping timely reactions.

- A cross-border **LOW-COST PILOT SYSTEM** with continuously operating monitoring stations.

- Obtain the ability to **DETECT SIGNIFICANT CHANGES** in water quality.

- Evaluation of result data, providing **SIGNALS FOR** possible pollution **EVENTS**

- **DISSEMINATE** information to stakeholders

idea objectives

What we offer:

foreseen activities



- **LOCAL KNOWLEDGE, EXPERTISE**, info on their water system and hazard sources and pricing issue will be involved and reflect special requirements and conditions
- Taking into consideration the **ACCIDENT RISK SITES** and their relations to the water system
- Proposal of installation sites and measurement parameters
- Evaluation of measurement **METHODS**, specification of **MONITORING DEVICES, STATIONS**, sampling systems
- Calculation of investment and operational **COSTS**
- Implementation of an EWS extendable, **CONFIGURABLE AND SPECIALIZEABLE** automatic monitoring system (which includes installation, infrastructural and ICT elements)
- Demonstration of operation.

We are looking for: possible partners



- **STAKEHOLDERS** on the Tisza water basin, who would be interested in establishing and operating an online water quality monitoring system in their area.
- Our partners should have extensive knowledge of **LOCAL LAWS AND REGULATIONS**, as laws can be different from country to country.
- We are also interested in partners, whom would like to enter into a cooperation with us based on long term **DATA EXCHANGE** and comparative evaluation of their respective data.



Thank you for your attention!

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The background is a scenic landscape of a wide river valley. The river is in the foreground, with a small boat visible. The banks are covered in dense green trees and vegetation. In the distance, there are rolling hills and mountains under a clear blue sky. A semi-transparent blue banner is overlaid on the right side of the image, containing the contact information.