

3rd Danube Financing Dialogue



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M2M Telemetry for Water Monitoring on Danube

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Project description

Water level and temperature monitoring is crucial for ensuring an efficient management of the Danube river navigation. The present situation of monitoring efforts has resulted in experimental data logging equipment that does not fulfil requirements of reliable GSM transmission and sustainable power supply. Furthermore, the existing equipment is scattered in few locations and more professional remote telemetry units are required.

Project goal

The project goal is to monitor water and temperature of the Danube river. The system can be extended to monitor also quality parameters of the Danube river water and environmental data of soil / air around the river.

Beneficiaries and target groups

„Romanian Waters“ National Administration

Constraints and risk appraisal

There could be low GSM signal and roaming problems at borders. Renewable energy power supply (solar panel) and low power sensors are needed. Innovative measurement and transmission architecture needs to be employed in addition to the physical installation in difficult terrain conditions (including risk of theft).

Type of financial product searching for

- Grant
- Microfinance

Sectors

- Environment
- Research, education and information and labour market

Countries engaged in the project

- Austria
- Bulgaria
- Germany
- Hungary
- Moldova
- Romania
- Serbia