REWATER Project

Revitalization of Eutrophic Waters for Different Degrees of Pollution and the Size of Water Areas

Project Partners

- **Technical University of Kosice**, Faculty of Mechanical Engineering, Department of Process and Environmental Engineering (Lead Partner), Slovakia
- **University of Novi Sad**, Faculty of Technical Sciences; Serbia
- **Obuda University**, Sándor Rejtő Faculty of Light Industry and Environmental Protection Engineering, Hungary
- **VŠB-Technical University of Ostrava**, Faculty of Mining and Geology, Czech Republic

Project Objective

The main objective will be implemented through the cooperation of the Departments of the Technical University of Kosice:

- extension and modification of patented technology for reducing the occurrence of algae and cyanobacteria in stagnant waters
- verification of the effectiveness of newly established technology for reducing the occurrence of cyanobacteria in stagnant waters
- dissemination of the results into practice.

Project Activities

- Improving the knowledge base for the purpose of reducing eutrophication in backwaters
- Adaptation of existing facilities to revitalize the stagnant water and extend their utilisation
- Testing and verification of the proposed technology for reducing the eutrophication and measuring the water parameters

Background

- This project is understood to be a preparatory phase for bigger project within the EUSDR
- In this phase, the countries participating in the project will create the consortium and prepare the background for broader complex project in the near future
- **Present status** - the contract under the umbrella of PA10 should be signed in the near future

Experience

- The lead partner already implemented the similar project „**Implementation and modification of a technology for decreasing cyanobacteria occurrence in standing water**“
- The output of this project - several utility models and patents which are currently being in the process of approval
- Patents in EU, Japan, USA and Canada are in the approval process as well