



EUROPEAN UNION



GOVERNMENT OF ROMANIA



SERBIAN GOVERNMENT



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WEST UNIVERSITY OF  
TIMISOARA

## Cross-border network for advanced training and research in environmental protection

### ROS-NET

#### Short summary of the project

- The aim of the present project is to establish a research network between Romania and Serbia with 2 poles: the West University of Timisoara and the Mining and Metallurgy Institute Bor.
- To initiate the activities within the network the cooperation between the 2 poles will be focused on a major environmental cross-border issue concerning the treatment of wastewater coming from mining processes.
- The main feature of the industrial wastewater is the variety and toxicity of the pollutants. The mining industry is a source of heavy metals, and their recovery is useful to lower the purification costs. Heavy metals are toxic for living organisms making the water undrinkable and affecting the flora, fauna, and also the soil. The World Health Organization considers that 2/3 of diseases come from polluted water. Therefore, a common strategy for prevention and treatment of it is necessary.
- Depending on the nature, physicochemical properties of the pollutants, and the specific conditions, the wastewater treatment will be done using complex methods observing the social effects and the recovery of the elements with economic value.

#### Target groups

- The persons direct implicated in the project activities
- The young scientists participating at training activities
- The population that will indirectly benefit from the water treatment and soil remediation

#### Anticipated results:

- A research network entity
- The identification of the pollutants
- A database with regard to pollution degree
- Materials with pre established structure synthesized and characterized
- A treatment method of the wastewater

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Romania-Republic of Serbia IPA Cross-border Cooperation Programme is financed by the European Union under the Instrument for Pre-accession Assistance (IPA) and cofinanced by the partner states in the programme.

For more information, please access [www.romania-serbia.net](http://www.romania-serbia.net)

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**ROS-NET**

*Project 93, Cod MIS-ETC: 464*



The project is implemented under the Romania – Republic of Serbia IPA Cross – border Cooperation Programme and is funded by the European Union’s Instrument for Pre – accession Assistance ( IPA ), the Cross – border Component and co – financed by the partner states of the programme : Romania and Republic of Serbia.

**Partners :**  
West University of Timisoara  
Mining and Metallurgy Institute Bor

The programme focuses on increasing the overall competitiveness of the economy in the Romania – Republic of Serbia border area and on improving the quality of life for the border communities in both countries.

**Target areas of the project :**  
Serbia – Borski County  
Romania – Timis County

**Priority axis :** 1. Economic and Social Development  
**Measure :** 1.4 Support increased levels of R&D and innovation in the border region

**General objective :**  
Create an advanced network for research in the field of environmental protection for a social – economical, durable development of the Romanian – Serbian cross – border region