

**The Study Case #9 – ReSoil<sup>®</sup>-Agro in Pezinok, SLOVAKIA**

**Information of site owner/site provider**

- Nezisková organizácia Barbora, Kukučínova 5, 90201 Pezinok, Slovakia
- Comenius University in Bratislava, Šafárikovo námestie 6, 81499 Bratislava, Slovakia
- Source of funding: EU HORIZON-RIA, grant agreement No. 101112723

**Objective**

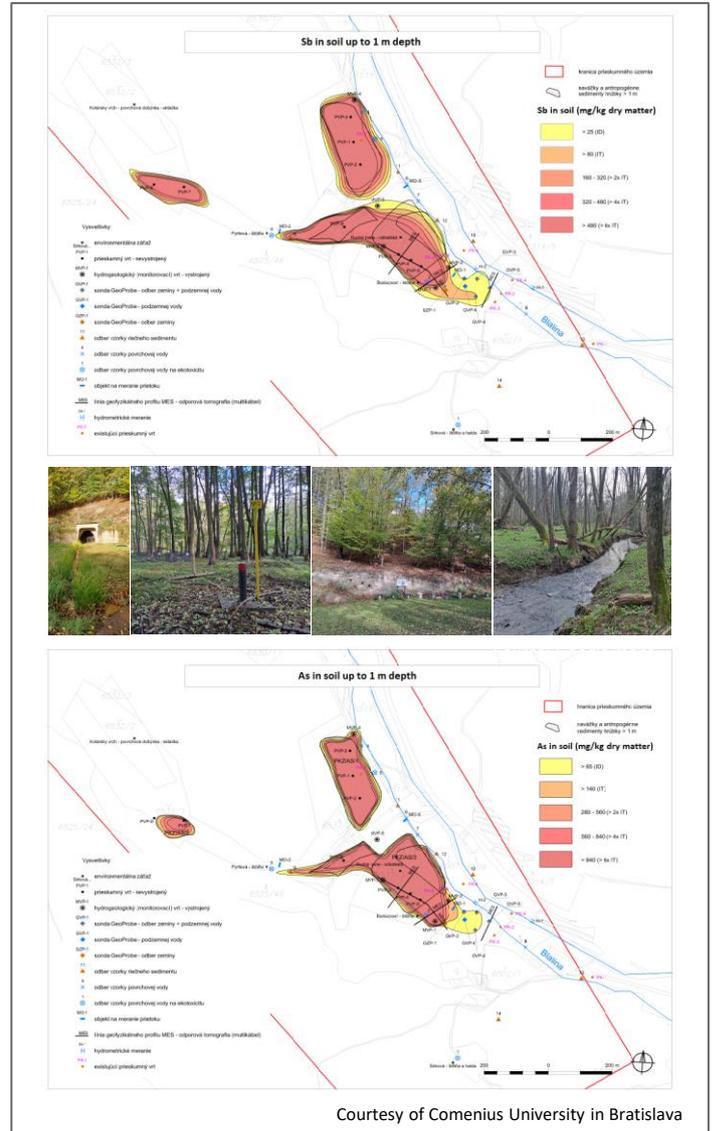
ReSoil<sup>®</sup> technology appraisal under the EU Horizon ARAGORN project. ARAGORN assesses its sustainability, contaminant removal effectiveness, and environmental remediation viability

**Contaminated site characterization**

- Remediation of soil/metallurgical deposit, contaminated with 4300 mg kg<sup>-1</sup> As, 2080 mg kg<sup>-1</sup> Sb, 220 mg kg<sup>-1</sup> Cr, and 5420 mg kg<sup>-1</sup> Mn
- pH: 6.3

**Remediation results**

- 94% As, 58% Sb, 70% Cr and 94% Mn were removed

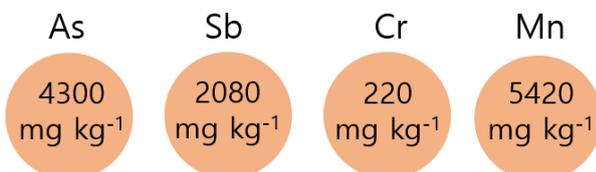


**Site description**

Historical mining and ore processing. Almost the whole area is covered by forest vegetation. The total area contaminated by As and Sb is ~ 6.7 Ha. The area available for ARAGORN project is ~ 3.5 Ha.

**ReSoil<sup>®</sup> REMEDIATION EFFICIENCY**

**Initial metal concentration**



**Reduction in metal concentration**

