

The Study Case #9 – ReSoil®-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
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Objective

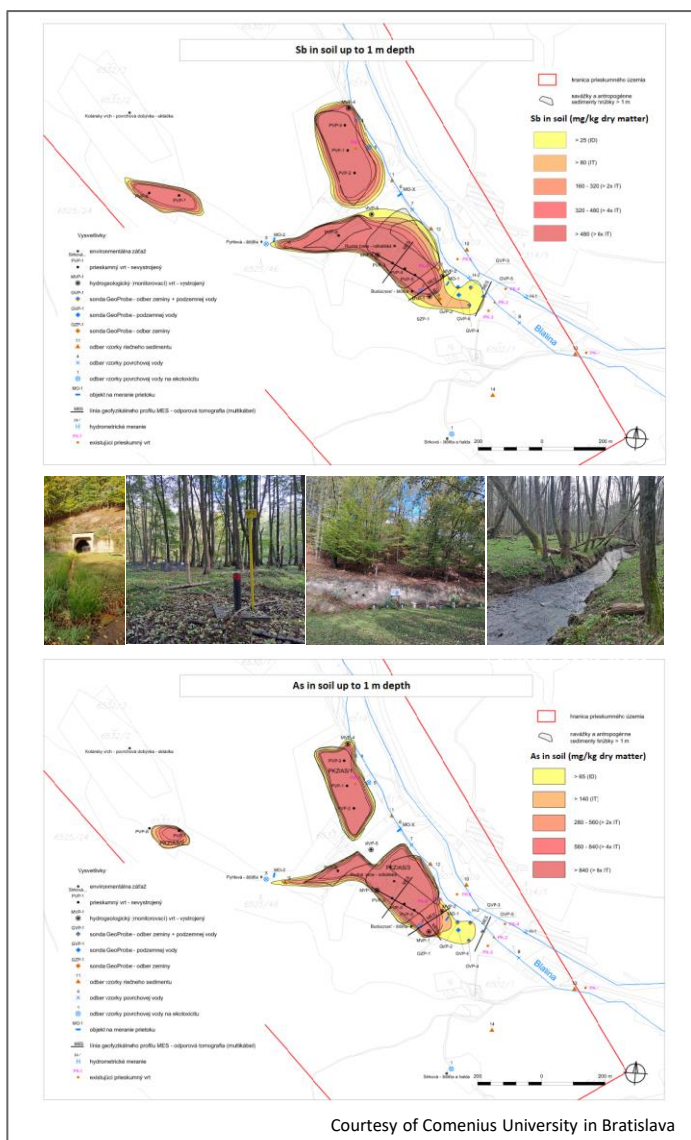
ReSoil® technology appraisal under the EU Horizon ARAGORN project. ARAGORN assesses its sustainability, contaminant removal effectiveness, and environmental remediation viability

Contaminated site characterization

- Remediation of soil/metallurgical deposit, contaminated with 4300 mg kg⁻¹ As, 2080 mg kg⁻¹ Sb, 220 mg kg⁻¹ Cr, and 5420 mg kg⁻¹ 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® REMEDIATION EFFICIENCY

Initial metal concentration



Reduction in metal concentration

