Tools for sustainable gold mining in EU (SUSMIN)

Program for second project meeting on 6-9 October 2014, Cluj-Napoca, Romania

Location:
The project and steering group meetings will take place at Hotel Premier in Cluj-Napoca. [http://www.hotelpremier.ro](http://www.hotelpremier.ro)

6 October, Project meeting and Steering group meeting

Program

- 25 min for presentations and discussions

09.30  Opening of the meeting: status of the project and communication (Soile Backnäs)
10.00  Progress of studies and first results in WP1 (Alexandre Lima)
10.25  Coffee break
11.00  Progress of studies and first results in WP2 (Aurora Futuro and Cristina Vila)
11.25  Progress of studies and first results in WP3 (Malgorzata Szlachta)
11.50  Progress of studies and first results in WP4 (Raluca Maftei)
12.15  Short break
12.25  Progress of studies and first results in WP5 (Soile Backnäs)
12.50  Progress of studies and first results in WP6 (Calin Baciu, Dan Chiribuca, Ionela Cardan)
13.15  Lunch
14.45  Steering group meeting
17.00  Meeting closure

Cluj-Napoca town visit and dinner
7 October, Workshop on Environmental and socio-economic issues in gold mining

Program

- 25 min for presentations and discussion

09.00  Opening of the workshop (Soile Backnäs)
09.10  Rosia Montana – general features and state of the environment (Calin Baciu)
09.30  Heavy metals in soil and plants in Rosia Montana area (Laura Lazar)
09.50  Acid mine drainage in Rosia Montana area (Dan Costin)
10.10  Water quality monitoring in mining areas by using Diatoms (Adriana Olenici)
10.25  Coffee break
11.00  Geochemical analyses and isotopes as a fingerprinting method to distinguish geogenic and anthropogenic emissions at mine environments (Kaisa Turunen)
11.25  Wetland treatment and environmental monitoring of mine water discharges and the effects to recipient waters (Soile Backnäs)
11.50  The potential of stable isotopes in hydrogeologic monitoring of mining areas (Delia Papp)
12.15  Short break
12.25  Mine waste management legislation. Gold mining areas in Romania (Constantina Filipciuc)
12.50  Characterisation of chemical composition and mineralogy of gold mine wastes (Marian Munteanu)
13.15  Lunch
14.45  Use of cemented paste backfill in arsenic rich cyanided tailings (Roger Hamberg)
15.10  Presentation by Gael Bellenfant from BRGM
15.35  Short break

Workshop continues with preliminary results on Mineral Exploration

16.45  U-Pb, Re-Os and Ar-Ar dating of granites and intrusion-related and orogenic gold deposits in northern Portugal and northwestern Spain (James Mortensen)
16.10  Preliminary results of the “LOZA” geophysical complex system in two areas studied during SUSMIN project (Alexandre Lima and Rui Moura)
16.35  Development of geophysical techniques for gold exploration (Ovidiu Avram)
16.50  The Environmental Geology and Geophysics Laboratory at GIR (Raluca Maftei)
17.00  Magmatism and metallogeny in the Gold Quadrilateral (Apuseni Mountains, Romania). An introduction to the field trip (Marian Munteanu)
17.15  Closure of the workshop
19.00  Dinner
8-9 October, Fieldtrip to Brad, Rovina and Rosia Montana

Program 8 October

08.00 Departure to fieldtrip
11.00 Visit to Gold Museum in Brad
12.30 Lunch
14.00 Visit to Rovina mining area
17.00 Day closure
19.00 Dinner

Program 9 October

09.00 Leave Brad
10.00 Visit to Rosia Montana mining area
14.00 Lunch
16.00 Departure to Cluj-Napoca
19.00 Arrival to Cluj-Napoca

10 October, Departure of participants