



Tools for sustainable gold mining in EU (SUSMIN)

Final Seminar

Date: October 4th 2016 , 9.30-16.30
Location: Sokos Hotel Koli, Ylä-kolintie 39, 83960 Koli

Programme

9.30-10.00 Registration and coffee

10-10.15 Opening of the seminar, *Raisa Neitola, GTK*

10.15-10.30 ERA-MIN-programme, *Ritva Heikkinen, Tekes*

10.30-10.45 Overview of SUSMIN-project, *Soile Backnäs, Kainuu ELY-Centre*

Gold Exploration

10.45-11.05 Geographical Information System for Gold Exploration, *Maria dos Anjos Ribeiro, University of Porto*

11.05-11.25 Geophysical Techniques for Gold Exploration, *Alexandre Lima, University of Porto*

Mineral Processing and Water Treatment Technologies

11.25-11.45 Selective Mineral Processing of Gold Bearing Minerals, *Tero Korhonen, GTK*

11.45-12.05 Alternatives for Cyanide Leaching, *Antonio Fiuza, University of Porto*

12.05-13.00 Lunch

13.00-13.20 Application of Adsorbents for Arsenic Removal in Laboratory and Pilot Scale – General Findings, *Soile Backnäs, Kainuu ELY-Centre on behalf of Małgorzata Szlachta, Wrocław University of Technology*



13.20-13.40 Use of nZVI adsorbents for Arsenic Removal from Mine Waters, *Antonio Fiuza, University of Porto*

Management of Mine Waste and Environmental Impact of Mines

13.40-14.00 Study Methods for Long-term Stability and Impermeability of the Dam Structures, *Raluca Maftei, Geological Institute of Romania*

14.00-14.20 Characterization and solidification of arsenic-rich cyanided tailings, Roger Hamberg, *Luleå University of Technology*

14.20-14.45 Coffee

14.45-15.05 Environmental Monitoring of Mine Water Impacts to Recipient Waters, *Kaisa Turunen, GTK*

15.05-15.25 Isotope Methods for Investigation and Prediction of Long-term Impacts of contaminant migrations, *Clayton Larkins GTK*

15.25-15.45 Supporting Water Management Strategies in Gold Mining Using Ecological Risk Assessment, *Mari Malinen*

Socio-Economics of Mining

15.45-16.05 Socio-economic Characteristics of Gold Mining – What Can Be Learned to Enhance Social Licence to Operate? *Calin Baci, University of Babes-Bolyai*

16.05-16.30 Final Summary and Discussion