ASSESSMENT OF UNDISCOVERED MINERAL RESOURCES – THEORY AND EXAMPLES

Short course at the FEM 2019 conference
1st November, 2019
Levi Panorama, Gold digger

Program

08:30 – 09:00   Coffee

Morning session: Demonstrations

09:00 – 09:30   Overview of assessment of undiscovered mineral resources (Kalevi Rasilainen, Geological Survey of Finland)

09:30 – 11:00   Demonstration of assessing undiscovered mineral resources using MAP software (Kalevi Rasilainen, Geological Survey of Finland)

11:00 – 12:00   Demonstration of ArcSDM 5 software for mineral prospectivity modelling (Vesa Nykänen, Geological Survey of Finland)

12:00 – 13:00   Lunch

Afternoon session 1: Theory

13:00 – 13:30   MPM methods in the assessment of undiscovered mineral resources (Andreas Knobloch, Beak Consultants GmbH)

13:30 – 13:45   Optimising fuzzy logic parameters (Andreas Nuspl, Oulu Mining School)

13:45 – 14:15   Methods for seabed mineral resource assessment (Cyril Juliani, The Norwegian University of Science and Technology)

14:15 – 14:45   Coffee

Afternoon session 2: Case studies

14:45 – 15:15   Results from VMS assessments in Finland (Kalevi Rasilainen, Geological Survey of Finland)

15:15 – 16:00   VMS tract delineation using MPM methods in Sweden and Norway (Martiya Sadeghi, Geological Survey of Sweden)

16:00 – 16:30   Quantitative predictive modelling using ANN: Case studies from Erzgebirge/Germany and CCZ/Pacific Ocean (Andreas Knobloch, Beak Consultants GmbH)