

“Towards a circular economy through reduction, reuse & recovery of raw materials”

Joined workshop of EIT RM Morecovery project and SEXUM project of Academy of Finland

Date: 27th of September 2019, 9:00-16.00 (EEST) (8:00-15:00 CEST)

Location: Room SN201, Snellmania building, University of Eastern Finland, Yliopistonranta 1 E,
70210 Kuopio, Finland

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Programme:

- 9.00-9.30 Registration and coffee
- 9.30-9.40 Opening the seminar, Jouko Vepsäläinen (UEF) and Teemu Karlsson (GTK)
- 9.40-10.00 Morecovery – Element recovery assessment service from initial screening to pilot-scale studies, Teemu Karlsson (GTK)
- 10.00-10.20 Recovery of REE from wastes of acid mine water treatment, Carlos Ayora (CISC)
- 10.20-10.40 Recovery of valuable elements from closed mine sites, Anni Muttonen (Savonia AMK)
- 10.40-11.00 Recovery of metals from a seepage water of a mine (AMD), Juha-Matti Aalto (UEF)
- 11.00-12.00 Lunch break
- 12.00-12.20 Energy metals from a different perspective - geological realities and opportunities related to uraniferous polymetallic mineral deposits in Fennoscandia, Peter Sorjonen-Ward, Esa Pohjolainen (GTK) and SEXUM project collaborators
- 12.20-12.40 Beneficiation studies on uraniferous polymetallic ores, Antti Taskinen, Marja Lehtonen, Lassi Pakkanen, Mia Tiljander, Oleg Knauf & Raisa Neitola (GTK)
- 12.40-13.00 Principles of biosorption and their application to metal removal from acidic waste waters, Robert Barthen & Aino-Maija Lakaniemi (TAU)

- 13.00-13.20 Separation of uranium from mine process effluents by reusable biopolymer – as an example of shifting towards a circular solution, Małgorzata Szlachta, Raisa Neitola (GTK), Sirpa Peräniemi & Jouko Vepsäläinen (UEF)
- 13.20-13.40 Bisphosphonate modified nanoporous silicon in Sc and U separation, Rinez Thapa & Arezoo Rahmani (UEF)
- 13.40-14.10 Coffee break
- 14.10-14.30 Utilization of mine tailings as porous ceramics, Soili Solismaa (GTK)
- 14.30-14.50 Digital tools can enhance continuous mine closure, Tommi Kauppila & Lauri Solismaa (GTK)
- 14.50-15.10 Introducing the 3AWater technology, Joakim Riikonen (UEF)
- 15.10-15.30 Introducing Kuopio Water Cluster - solutions for water sector, Patryk Wójtowicz (Savonia AMK)
- 15.30-16:00 Discussion and closing the seminar, Jouko Vepsäläinen (UEF)