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Connecting matters



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PROJECT:

Brines of RIS countries as a source of CRM and energy supply

WORKSHOP

CRM recovery from brines. BrineRIS resource mapping and innovative technologies

BARCELONA, Spain, March 2024

The workshop is part of the BrineRIS project professional training and outreach activities. Geothermal and mining brines have proven to be a new potential source of CRM. During the workshop the state of the art of CRM knowledge and innovative recovery technologies will be presented. EITRM BrineRIS partners will present latest developments achieved in this field. This workshop is addressed to professionals of mining and services companies, research and technology specialists. Pre- and post- workshop field trips to visit geothermal and mining areas organized for BrineRIS project participants.

REGISTRATION FORM



DATE

March, 12-13



Hotel Seventy Barcelona

C/ de Còrsega, 344

08037 Barcelona

Organized by:

Geosciences Barcelona, CSIC

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PROJECT WEBSITE:

<https://brineris.geo3bcn.csic.es/>

PROGRAM

Tuesday, March 12th · BrineRIS presentations

- 09.30 - 10.00h **Workshop Welcome, introduction. Logistics**
Geosciences Barcelona CSIC / EIT RM
- 10.00 - 11.00h **State of the art and progress of BrineRIS EIT RM project**
Magdalena Worsa-Kozak, WUST, BrineRIS coordinator
- 11.00 - 11.30h **Coffee break**
- 11.30 - 12.30h **Mapping of brines and CRM-rich fluids in RIS countries: new inputs for BrineRIS databases and developments in Poland, Czechia, Slovakia and Hungary**
Norbert Nemeth, Miskolc University
- 12.30 - 13.00h **Mapping of brines and CRM-rich fluids in RIS countries: new inputs for BrineRIS databases and developments in Spain and Portugal**
Maria Jose Jurado, GEO3BCN-CSIC
- 13.00 - 14.30h **Lunch break and Networking**
- 14.30 - 15.00h **Insights into GTK's Approach to Extracting Lithium from Geothermal Brines**
Junhua Xu and Małgorzata Szlachta, GTK
- 15.00 - 15.30h **CRM (Li) Recovery technology developments in the frame of BrineRIS project**
Adrian Delgado CMET, UGent
- 15.30 - 16.00h **Geothermal potentials as heat source and extraction processes as heat sink**
Timm Wunderlich, Lukas Oppelt, Tom Ebel, Fritz Raithel, Thomas Grab, Tobias Fieback, TU Bergakademie Freiberg
- 16.00 - 16.30h **Coffee break**
- 16.30 - 17.00h **Semantic CRM resources data platform and mapping of geothermal potential**
Simon Stier, European Lithium Institute eLi
- 17.00 - 18.30h **BrineRIS project meeting (BrineRIS partners)**
ALL Partners
- 20.00h **Workshop DINNER** (Restaurant Barceloneta, Port Vell, C/ de l'Escar, 22 - 08039 Barcelona)

Wednesday, March 13th · Invited talks

- 09.30 - 10.30h **Deep Geothermal Resources in Catalonia: synthesis of their potential**
Dr Ignasi Herms, Head of Geological Resources of the Cartographic and Geological Institute of Catalonia
- 10.30 - 11.00h **Mapping geothermal resources and related potential CRM resources in Spain
A historical perspective and future plans**
Dr Cristina de Santiago, Dr Ester Boixereu, CSIC-IGME
- 11.00 - 11.30h **Coffee break**
- 11.30 - 12.00h **Mapping geothermal resources and related potential CRM contents in Portugal
A historical perspective and future plans**
Dr Elsa Ramalho, LNEG (online presentation)
- 12.00 - 12.30h **3D-printed alumina-based adsorbents for selective lithium recovery from oilfield brines**
Dr eng. Ewa Knapik, AGH University Krakow, Complithium Project Manager
- 12.30 - 13.00h **Pozo Barredo Geothermal exploitation experience in Mieres, Asturias**
Dr Saúl Norniella Llana, Cátedra HUNOSA - Oviedo University, Spain
- 13.00 - 14.30h **Lunch**