

2nd REEBAUX Workshop

ELTE-Budapest 2020

Program

Supported by



This activity has received funding from the European Institute of Innovation and Technology (EIT), a body of the European Union, under the Horizon 2020, the EU Framework Programme for Research and Innovation



REEBAUX

Prospects of REE recovery from bauxite and bauxite residue in the ESEE region

DETAILED PROGRAM

October 16, 2020

▶ **9:00-9:10** Tomašić, N.: Introduction

▶ **9:10-9:25** Gielisch, H. (DMT, Germany): *Problems for securing the supply of critical raw materials through recycling management and securing the raw material supply chains*

G E O L O G Y

▶ **9:25-9:40** Gawlick, H.-J.*, Mindszenty, A**. (*MontanUni., Leoben, Austria and **ELTE, Budapest, Hungary): *Geology and Geodynamics of Bauxites in the ESEE Region and their REE-resources implications*

WHEN TIME PERMITS, WE MAY HAVE DISCUSSION HERE, OR WHEN BEING BEHIND SCHEDULE, WE JUST CONTINUE.

▶ **10:05-10:20** Miko, S., Gizdavec, N., Ilijanić, N. (HGI, Zagreb, Croatia): *An overview of REE in Croatian bauxite deposits*

▶ **10:25- 10:40** Biro L., Mindszenty A. (ELTE, Budapest, Hungary): *REE's in Bauxite Deposits of the Transdanubian Range, Hungary*

d i s c u s s i o n

▶ **10:55-11:10** Steiner, T., Gawlick, H.-J. & Melcher, F. (all Univ. Leoben, Austria): *Paleogeographic implications of refractory minerals in a Late Jurassic bauxite from the Northern Calcareous Alps*

▶ **11:15-11:30** Bódi, L. (ELTE, Budapest, Hungary), Biró L. (ELTE), Kristály F. (ME, Miskolc, Hungary) Mindszenty A. (ELTE): *REE's in early Cretaceous bauxites of the Villány Hills, South Hungary*

▶ **11:35-11:50** Radusinović, S. (GSM, Podgorica, Montenegro): *REE's in bauxite-related resources in Montenegro and the current market-situation*

▶ **11:55- 12:10** Tomašić, N., Čobić, A. (Univ. Zagreb, Croatia): *Mineralogy of REE's - From traces to major constituents; REE-minerals and synthetic compounds used in industry*

d i s c u s s i o n

12:25– 13:10 LUNCH-BREAK

R E D – M U D (BAUXITE RESIDUE)

▶ **13:15 -13:30** Mádai, F., Móricz, F. (ME, Miskolc, Hungary): *Correlation of geochemical and mineralogical data along vertical profiles of the Ajka Bauxite-Residue Storage*

▶ **13:35- 13:50** Grbeš, A. (UNIZG-RGNF, Croatia): *Methods of extraction of Rare Earth Elements*

▶ **13:55- 14:10** Móricz, F. (ME, Miskolc, Hungary): *Geochemical interpretation of sequential extraction results from the Ajka Bauxite-Residue*

▶ **14:15-14:30** Nagy, V.Z. (ELTE, Budapest, Hungary), Szabó, Cs. (ELTE), Leskó M. (ME, Miskolc, Hungary): *REE's in the Almásfüzitő red-mud, Hungary*

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discussion

▶ **15:00 –15:15** Lowicki, F. (DTM): *General methods and approaches on estimation of mineral resources - Cut-off grades in general and focusing on REE in bauxites and red muds* ●

▶ **15:20 – 15:30** Mladenović, A., Oprčkal, P. & Zalar Serjun, V. (ZAG, Slovenia) : *Red mud - From waste to resource*

discussion

October 17, 2020

Presentations related to the virtual field-trip

▶ **9:00-9:15** Mindszenty, A. (ELTE, Budapest, Hungary): *Introduction to the Virtual field-trip –I. Eocene bauxites of Gánt*

▶ **9:20 - 9:30** *Field-show (movie): The Gánt Bauxite*

▶ **9:40 - 10:10** Mádai F., Szabó, Cs.(Miskolc ME and Budapest ELTE): *Virtual visit to the two major red-mud storage areas of Hungary (Ajka and Almásfüzitő). Introduction*

▶ **10:15 - 10:30** Mádai, F.(Miskolc ME): *The Ajka tailings management facilities*

▶ **10:35 - 10:50** **RED-MUD STORAGEES –DISCUSSION (Moderators: Mádai, F. and Szabó, Cs.)**

Comments on storage-techniques; present conditions of the storage areas; the possibilities of reliable reserves estimation and - in general - the realistic potential of red-muds as future, recoverable REE resources.

▶ **10:50-11:05** Mindszenty, A.: *Introduction to the Virtual field-trip -II. The Oligocene bauxites of Óbarok*

▶ **11:05 - 11:15** *Field-show (movie): The Óbarok Bauxite*

▶ **11.20** **General discussion**

▶ **11.30** **Concluding remarks (Nenad Tomašić and Andrea Mindszenty)**

INTERVAL, LUNCH-BREAK

13:00 - 16:00 **Closed Session** of the project partners (on invitation only). Agenda of this Session will be announced later on in details by project leader N.Tomašić.

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