



TECHNISCHE UNIVERSITÄT
BERGAKADEMIE FREIBERG
Die Ressourcenuniversität. Seit 1765.

Short Course on
Potash and rare Metal Deposits
August 07.-10, 2019
(TU Bergakademie Freiberg, Germany)

Prof. Dr. Silvio Zeibig (SZ), *K+S Aktiengesellschaft*, Kassel (Germany) and

Prof. Dr. Thomas Seifert (TS), *Technische Universität Bergakademie Freiberg*, Freiberg, Germany

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Day 1 (07.08.2019) by SZ & TS

Registration: 10 a.m. – 12 p.m.

12 p.m. – 12:15 p.m. organizational matters

12:15 p.m. – 1:15 p.m. break

1:15 p.m. – 2:45 p.m. 1.1. Lesson “Geology of Potash Deposits” (SZ)

3 p.m. – 5 p.m. 1.2. Ore Deposit and Mineralogical collections of TUBAF (Institute of Mineralogy – “Werner-Bau”), TS and colleagues from Geoscience collections

Day 2 (08.08.2019) by SZ and mining geologists, Potash Mine Merkers

7 a.m. Transfer from Freiberg to Merkers / SW Thuringia (ca. 300 km / 3,5 h by bus) (meeting at 6:45 a.m)

2. Potash mine Merkers / Thuringia: underground excursion (Geology and exploration methods)

Ca. 7 p.m. Return

Day 3 (09.08.2019) by TS and exploration geologists (M.Sc. M. Bauer MB / *Australian Lithium cop* and Dr. Th. Dittrich TD / *Deutsche Lithium AG*)

- 8:45 a.m. Start by bus (meeting at 8:30 a.m.)
- 9 a.m. 3.1. drill cores from the Li-Sn exploration project Sadisdorf by MB / *Australian Lithium cop* (Freiberg, Fuchsmühlenweg 6F)
- 10:15 a.m. – 11:30 a.m. 3.2. drill cores from the Li-Sn exploration project Zinnwald by TD / *Deutsche Lithium AG* (Brand-Erbisdorf, drill core camp)
- 1 p.m. – 4 p.m. 3.3. Lesson and underground excursion by TS and colleagues from the visitor mine Vereinigt Zwitterfeld zu Zinnwald: Li-Sn mine Büнау adit with focus on Li and Sn exploration – new ore type of Li resources!
- ca. 6 to 7 p.m. Return

Day 4 (10.08.2019) by TS and colleagues from the visitor mine Sauberg and Molchner Stollen

- 8:15 a.m. Start by bus (meeting at 8:00 a.m.)
- 4.1. Sn-W(-Li) district Ehrenfriedersdorf: lesson and underground excursion in the old Sn-W mine “Sauberg” and W-Feld and Sn deposit Geyer (Pinge) and “Tin Granites” (outcrop Greifensteine et al.) with focus on exploration of Sn-polymetallic deposits)
- 4.2. underground excursion in the Sn-Ag mine “Molchner Stollen” with focus on exploration in old mining areas
- ca. 7:30 to 8:30 p.m. Return