

## RECOMINE – HOLISTIC MINE WASTE SOLUTIONS MADE IN SAXONY

Datum   Date	Sprache   Language	Kontakt   Colloquium Office
5. Juni   June 5 <sup>th</sup>	Englisch   English	Philipp Büttner, Helmholtz Institute Freiberg for Resource Technology, recomine-Alliance Tel. +49 351 260 4417 p.buettner@hzdr.de
Konferenzort   Venue	Leitung   Chairpersons	
hybrid, UBH-0205 (B), Winklerstraße 3	Philipp Büttner, Helmholtz Institute Freiberg for Resource Technology, recomine-Alliance	

8.30 – 9.00 Arrival

**9.00 – 9.15 Welcome**  
Philipp Büttner, Helmholtz Institute Freiberg for Resource Technology

### I. Tailings Characterization, Stabilization & Sorting

9.15 – 9.35 Resource Estimation of Tailings Based on XRF / MPT-Characterization – Experience and Lessons Learned from Case Study Spülhalde 1 – Zinnerz Ehrenfriedersdorf  
Gorig Quaas, Geological State Survey Freiberg GmbH

9.35 – 9.55 DYNOSORT: Dynamic Ore Sorting from Polymetallic Stockpiles  
Dr. Jonathan Engelhardt, Helmholtz Institute Freiberg for Resource Technology

9.55 – 10.15 Development of Recultivation Material for the Qualified Covering of Mining Dumps and Landfills  
Nico Domurath, Fraunhofer Institute for Ceramic Technologies and Systems IKTS

**10.15 – 10.45 Break**

### II. Tailings Processing

10.45 – 11.05 Technologies for the Extraction and Processing of Lithium Mica from Tailings in the Ore Mountains: A Case Study of the Bielatal Industrial Tailings Pond (TEVLiS)  
Nailia Rizatdinova, Beak Consultants GmbH

11.05 – 11.25 Re\_pNEU – Remining Through Fine Particles Processing of Ehrenfriedersdorf Tin Tailings with Innovative pNEUmatic Flotation Technology and the Recycling Potential of the Silicate Residues in Paving Stone  
Dr. Martin Rudolph, Helmholtz Institute Freiberg for Resource Technology

11.25 – 11.45 Challenges of Recycling Mining Contaminated Metal(loid) Rich Subaquatic Sediments at the Hüttenteich Near Freiberg  
Clemens Hartmann, TU Bergakademie Freiberg

11.45 – 12.05 The Potential of Tailings and Other Residues for the Fabrication of Glass Fibres  
Juniorprofessorin Dr. Sindy Fuhrmann, Dr. Stephan Sander,  
TU Bergakademie Freiberg

**12.15 – 13.45 Lunch break**

### **III. Transdisciplinary Raw Materials Research**

13.45 – 14.05 Geoparks as Mediators for ReMiningPlus Outcomes in Education and Public Relations Work  
Philipp Baumgart, GEOPARK Middle Saxony e.V.

14.05 – 14.25 A Toolkit for Societal Inclusion in Raw Materials Research  
Henriette Rutjes, Dr. Diana Ayeh, Helmholtz Centre for Environmental Research Leipzig GmbH

14.25 – 14.45 A Guidance to the Regulatory Requirements for Raw Material Research Projects in the Ore Mountains, Germany  
Sabine Meißner, SAXONIA Site Development and Management Company mbH

14.45 – 15.05 Towards Global Resource Justice: Implication for Domestic Raw Materials Research  
Oscar Choque, Ayni – Association for Resource Justice e.V.

**15.15 – 15.45 Break**

### **IV. Mine Water & Slag**

15.45 – 16.05 Mine Water – an Alternative Resource for Hydrogen Production, CO<sub>2</sub>-Utilisation and Water Supply. Requirements and Treatment Schemas  
Hans-Jürgen Friedrich, Fraunhofer Institute for Ceramic Technologies and Systems IKTS

16.05 – 16.25 Advanced Process Metallurgy Techniques for Implementing Circular Economy with Waelz Slag  
Dr. Ajay Patil, Helmholtz Institute Freiberg for Resource Technology

16.25 – 16.45 A Holistic Approach for the Recovery of Vanadium from LD Slags  
Dr. Norman Kelly, Helmholtz Institute Freiberg for Resource Technology

**16.45 – 17.00 Discussion**

**from 17.00 End of the colloquium**