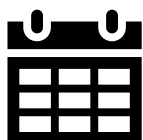


WORKSHOP

Phosphorus and Beyond: Circular Approaches in Waste Management



Wednesday, 26.11. 2025



13:00 – 16:00



**Brno University of Technology, Faculty
of Mechanical Engineering, Technická
2896/2, Brno, Czechia,**

Building A1 - 3rd floor

Participation is free of charge. The workshop will be held in English. In person attendance capacity is limited; Online participation is possible. Online: MS Teams LINK will be sent to registered online participants.

Please make registration to the event **until 21th November 2025**.

Contact/Questions: Ing. Vladimír Brummer, Ph.D.;
brummer@fme.vutbr.cz, Tel: +420 54114 4953

EXPERT Meeting Program

(times are indicative)

13:00 – 13:05

Welcome of all participants

Jiří Bojanovský / Institute of Process Engineering, Brno University of Technology, Brno, Czechia

13:05 – 13:15

Title: PHOS4PLANT – From Waste to Resource Recycling Sewage Sludge Ash into Phosphate-rich Plant Fertilizer

Marianne Haberbauer / K1-MET GmbH, Linz, Austria

13:15 – 13:30

Title: Motivation of phosphorus reclamation from the sewage sludge

Vladimír Brummer / Institute of Process Engineering, Brno University of Technology, Brno, Czechia

13:30 – 13:45

Title: Additivation of sewage sludge upstream incineration for better quality ash formation

Bernadette Goma / Institute of Process Engineering, Brno University of Technology, Brno, Czechia

13:45 – 14:00

Title: Phosphorous recycling from sewage sludge ashes via fluidized bed conversion

Thomas Hannl / Institute of Chemical and Energy Engineering, BOKU University, Vienna, Austria

14:00 – 14:40

Coffee break and discussion

14:40 – 14:55

Title: P-recovery from sewage sludge ash: Current state of the art and further steps towards circularity

Hannes Konegger / Institute of Waste Management and Circularity, BOKU University, Vienna, Austria

14:55 – 15:10

Title: Biomining at Scale: Practical Lessons for Phosphorus & Metals Recovery

Matěj Masař / Department of Biochemistry, Masaryk University, Brno, Czechia

15:10 – 15:25

Title: Optimization of the biological sulfuric acid production

Rebeka Frueholz / K1-MET GmbH, Linz, Austria

15:25 – 15:40

Title: Phosphorous recycling with the RecoPhos process

Christoph Gatschlhofer / Chair of Thermal Processing Technology, Technical University of Leoben, Austria

15:40 – 15:55

Title: Effects of sewage sludge and sewage sludge ash on soil microbial community structure

Hroudná Veronika / Department of Biochemistry, Masaryk University, Brno, Czechia

15:55 – 16:00

Closing Speech

Jiří Bojanovský / Institute of Process Engineering, Brno University of Technology, Brno, Czechia