

## PHOS4PLANT – ATCZ00043 – WORKSHOP No. 2

### Sewage sludge ash as secondary resource for sustainable fertilizer production

**Date:** Wednesday, 22.04.2026

**Time:** 13:00 – 16:15

**Venue:** BOKU University; Department for Landscape, Architecture and  
Infrastructure; Institute of Waste Management and Circularity  
  
Muthgasse 107/III, 1190 Vienna, Austria

**Meeting type:** Hybrid

**Zoom - LINK:** Will be sent to registered online participants

**Registration:** until 14th April 2026 at [elisabeth.schmied@boku.ac.at](mailto:elisabeth.schmied@boku.ac.at)

Contact: DI Elisabeth Schmied; Phone: +43 1 47654-81331

## EXPERT Meeting Program

**13:00 – 13:15**

**Welcome of all participants**

C. Zafiu/ABFK-BOKU

**13:15 – 13:25**

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

Marianne Haberbauer, Sabine Spieß / K1-MET GmbH, Linz, Austria

### Workshop Session 1: From ash to fertilizer, a circular approach

**13:25 – 13:45**

**Fertilizing or landfilling? Agricultural application of sewage sludge dry matter and ash**

Lenka Jurasová / Masaryk University, Brno, Czechia

**13:45 – 14:05**

**Current state-of-the-art technologies and LCA implications**

Hannes Konegger, Peter Beigl/ABFK-BOKU

**14:05 – 14:20**

**Workshop questions: tbd**

**Coffee break and brainstorming**

**14:20 – 14:40**

**Workshop 1: Discussion and conclusion**

Chair: C. Zafiu / BOKU

## Workshop Session 2: How to design sustainable phosphorus recycling?

**14:40 – 15:00**

### **Motivation of phosphorus reclamation from the sewage sludge**

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

**15:00 – 15:20**

### **Sulfur, Bacteria, and Acid: A Bioleaching Story**

Silja Välimets/UBIO-BOKU

**15:20 – 15:40**

### **Workshop question 2: How to design sustainable phosphorus recycling?**

Variants, goals, impacts

Coffee break and brainstorming

**15:40 – 16:00**

### **Workshop 2: Discussion and conclusion**

Chair: C. Zafiu / BOKU

**16:00 – 16:15**

### **Closing Session**

C. Zafiu / BOKU