

MiWaEduNet Webinar Series:

Water-Soil-Plant transfer of Inorganic Pollutants with Focus on Se (Selenium) and As (Arsenic)

Objective of the Webinar: To investigate the uptake, accumulation, and speciation transformation of elements by plants used for stabilising mining waste. The processes of uptake, transport, and transformation are examined in relation to element-specific properties, their chemical speciation, and plant species. Using selenium and arsenic as case studies, key mechanisms will be analysed, and the potential long-term environmental fate of these elements is explored.



Facilitator

PD Dr. Elisabeth Eiche is the head of the Laboratory of Environmental & Raw Materials Analysis (LERA), at Karlsruhe Institute of Technology (KIT), Institute of Applied Geosciences. Her work addresses the impacts of human activities on water, soil, plants, and food quality; critical element recovery from waste streams; and links between soil properties, biodiversity, and element fluxes

**Scan QR Code to
unlock insights
about the
facilitator.**



Date: 22 May 2025

Time: 14:30 -15:30 CET / 15:30-16:30 CAT

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NOTE: This webinar is free and it is targeting students, researchers with background in geochemistry, hydrogeology and interested stakeholders.