

## Tuesday 18.07 - Violet room

9:20	Davranche	Impacts of Fe and OM interactions on As mobility in wetlands
9:50	Johnston	Fire in iron-rich seasonal wetlands: thermal transformation of schwertmannite can alter arsenic speciation and enhance mobility
10:10	Vithana	Partitioning and mobility of coprecipitated Cu and Sb in schwertmannite after thermal transformation
10:20	Carabante	The role of schwertmannite in the long-term mobility of trace elements in acid mine drainage
10:30 - 11:00	Coffee break	
11:00	Aeppli	Electrochemical analysis of electron transfer to iron(oxyhydr-)oxides: effects of solution pH and reduction potential
11:20	Catalano	Connecting zinc partitioning and isotope fractionation during Fe(II)-catalyzed recrystallization of Fe(III) oxide minerals
11:40	Kraemer	Ligand controlled dissolution of and Ni release from iron oxides in the presence of reductants and ligands
11:50	Biswakarma	Catalytic effect of Fe(II) on ligand-controlled dissolution of lepidocrocite
12:00	Schenkeveld	Enhanced mobilization of trace elements from soil hydroxide minerals constrains the efficiency of plant iron acquisition strategies based on exudation of ligands and reductants
12:20 - 13:30	Lunch break	
13:30	Voegelin	Diversity of iron oxidation products and their impact on trace elements
13:40	Hug	Using iron to remove co-occurring arsenic and uranium from drinking water
13:50	van Genuchten	Formation of Fe(II,III) oxides by the electrolytic dissolution of Fe(0) electrodes
14:10	Koopmans	Effective reactive surface area of oxide nanoparticles in iron sludge and iron sludge-treated soils
14:30 - 16:10	Posters and coffee break	
16:10	Byrne	Chromium and arsenic immobilization by biologically modified magnetite
16:30	Jorand	Reactivity of Chemically and Biologically Synthesized Mixed FeII-FeIII minerals towards cationic mercury

## Posters – Tuesday, 18.07, D-Floor, North Foyer

Bigalke	Coupled release of colloidal and dissolved Fe and trace elements after experimental flooding of a carbonatic floodplain soil
Biswakarma	Catalytic effect of Fe(II) on ligand-controlled dissolution of lepidocrocite
Brown	Electrochemical characterisation of microbial Fe(III) reduction
Carabante	The role of schwertmannite in the long-term mobility of trace elements in acid mine drainage
Chang	Apply the Fe isotope enrichment method to identify the rice seedling uptake and distribution under Fe(III) and Fe(II) environment
Ettler	Characterization and sorption properties of Fe-Mn concretions from semi-arid Luvisol irrigated by mine water
Hettiarachchi	Poorly crystalline iron oxides minimize arsenic mobility in a water-saturated soil column system designed for flue-gas desulfurization wastewater treatment
Jeon	Enhanced Extraction of Arsenic bound to Iron Oxides
Kumpiene	Long-term impact of zerovalent iron amendments on iron fractionation and arsenic stability in five contaminated soils
Marouane	Study of the adsorption of selenite and selenate by schwertmannite
Montarges-Pelletier	Iron mineralogy and zinc speciation in sediments from highly impacted rivers
Thomas Arrigo	Iron mineral transformations in reduced organic freshwater flocs and corresponding effects on floc-As
Vitkova	Different incubation conditions for nano zero-valent application in contaminated soils
Voegelin	Diversity of iron oxidation products and their impact on trace elements