

Monday 17.07 - Yellow room

9:50		Session welcome and introduction
10:00	Tian	Temporal and spatial variation characteristics of atmospheric antimony emission and pollution in China and the world
10:30		Coffee break
		New knowledge: sources, distribution and tracking
11:00	Steinnes	Long-range atmospheric transport of antimony to Norway: An update
11:10	Ayrault	Insights in the Antimony pathways and behaviour in urban environment
11:20	Wen	Multiple isotopes approach elucidates the antimony contamination of waters at the largest antimony mine in the world
11:30		Questions
		Trends in analysis, unraveling speciation and plant uptake 1
11:40	Maher	Total antimony and antimony speciation measurements in environmental matrices by ICP-MS, HPLC-ICPMS and SPME-GC
11:50	Tandy	Antimony plant uptake pathways unraveled by speciation in plant roots and shoots
12:00	Caplette	Phytoavailability, mobility, and solid-phase speciation of Sb and Pb in smelter-impacted forested soils
12:10		Questions
12:20		Lunch break
		Trends in analysis, unraveling speciation and plant uptake 2
13:30	Mestrot	Mobility and biomethylation of antimony in flooded shooting range soils.
13:40	Ji	Trimethylantimony in shoots and roots of four plants under hydroponic conditions
13:50	Vaculík	Effect of humidity and temperature on uptake of antimony (Sb) by various crops
14:00		Questions and discussion
14:30		Posters and coffee break
		Biogeochemistry: new insights from the field and laboratory 1
16:10	Wilson	A decade of research in an Australian river catchment highly contaminated with antimony and arsenic: Research advances and lessons learned for metalloid geochemical cycling, mobilisation and dispersion.

16:20	Hockmann	Antimony mobility in sulfidic environments: antimonite and antimonate interaction with mackinawite (FeS)
16:30	Karimian	Effect of a pH gradient on As and Sb behaviour during Fe ²⁺ -induced transformations of jarosite
16:40		Questions

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9:20	Martel	Antimony in soil and water at small arm ranges: detection, remediation, and new range design
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Biogeochemistry: new insights from the field and laboratory 2

9:50	Nakamaru	Effect of soil organic matter on antimony bioavailability in the remediated area of Aznalcóllar, Spain
10:00	Verbeeck	Soil organic matter decreases antimonate sorption in soils: a soil profile and experimental study
10:10	He	Influences of the particles and aquatic colloids on the oxidation of Sb(III) in natural waters
10:20		Questions
10:30		Coffee break

Environmental risk and protection

11:00	Okkenhaug	Mobility and transport of shooting range contaminants in a peat land with focus on antimony (Sb)
11:10	Lewińska	Antimony in pore water of variously treated shooting range soils
11:20	Zhao	The derivation research on soil environmental criteria of antimony in China
11:30	Filella	Antimony in the environment: filling gaps
11:40		Questions
11:50		Session summary, discussion and future directions

Posters – Monday, 17.07, E-floor, Main Hall

Borcinova Radkova	The control on Sb mobility during the early stages of stibnite weathering in tailings at Beaver Brook antimony deposit, Newfoundland
Filella	Extensive presence of antimony in plastic consumer products
Galceran	Gaining insights into Sb(III) speciation with the electroanalytical technique AGNES
Rotureau	Determination of anionic antimony species by Donnan Membrane Technique (DMT)
Tighe	Antimony in the Macleay Catchment - 300 kilometres of legacy contamination