

2nd General Assembly 28.-31.03.2022

Goslar

(Hotel Hessenkopf, Hessenkopf 5, 38664 Goslar)

Scientific presentation 28. & 29.03.2022

DOME project talks: 12 min +3 min discussion

Soft skill workshop (for young researchers) and discussion 30. & 31.03.2022

	Topic
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28.03.22	
12:00	Arrival & Lunch
13:00	Introduction by Max Wilke and Max Korges (University of Potsdam)
13:15	Invited speaker Kathryn Goodenough (BGS)
14:00	Data publication by Kirsten Elger (GFZ Potsdam)
14:30	Talk session 1
15:30	Break
16:00	Talk session 2
18:30	Dinner
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29.03.22	
09:30	Talk session 3
11:00	Break
11:30	Talk session 4
12:30	Lunch
14:00	Departure to Rammelsberg
15:00	Rammelsberg tour
19:00	Dinner
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30.03.22	
09:00	Grant proposal writing by Christina Schütte
09:00	Brainstorming meeting PIs
12:00	Lunch
13:00	Scientific writing by Christina Schütte
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31.03.22	
09:00	Unconscious bias and raising awareness on gender and diversity in research by Bettina Jansen-Schulz
13:00	End of Assembly
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Talk session 1

CET	TITLE	PRESENTER
14:30	Controls on the porphyry Cu-Au mineralizing potential of magmas in continental collision settings	Jia Chang
14:45	The fate of Sn in the evolution of a skarn system - the Geyer skarn (Erzgebirge) as a case study	Nicolas Meyer
15:00	Melts-Fluids-Models: keys to understanding ore-forming processes at the world-class Neves Corvo massive sulphide deposit, Iberian Pyrite Belt	Marta Codeco
15:15	Transport and enrichment of W and Sn in melts and fluids at magmatic-hydrothermal stages: experimental approach and application to the Argemela district (Portugal)	Julie Michaud

Talk session 2

CET	TITLE	PRESENTER
16:00	Identifying mantle sources and crust-mantle transport mechanisms for metal enrichment in subduction settings: Combined Se isotope and Se-Te systematics in Patagonian mantle xenoliths	Maria Varas-Reus
16:15	Enrichment and transport of Cr in magmatic systems in the mantle and crust	Myriam Ruttman
16:30	Dynamics of Ore Metal Transport in Alkaline Porphyry systems (DOMETRAP)	Louis-Maxime Gautreau
16:45	Magmatic and hydrothermal prerequisites for porphyry-epithermal mineralisation in continental volcanic arcs, Thrace, NE Greece	Jan Falkenberg
17:00	The fate of light and mobile elements in magmatic-hydrothermal greisen systems – a combined study of minerals, fluids, and gases	Dino Leopardi

17:15	Chlorine-bromine-iodine systematics as tracer of fluid and metal sources in Sn-W mineralized magmatic-hydrothermal systems	Mauro Bongiovanni
17:30	Crossing the magmatic-hydrothermal interface within ore-forming systems with numerical models (CROWN)	Yulia Gruzdeva
17:45	Thermodynamics and new equation of state for major and metal components in low-density aqueous fluids (THEOS)	Robert Peckmann

Talk session 3

CET	TITLE	PRESENTER
09:00	Transport and reactions of light elements (Li, B) in pegmatitic systems under thermal disequilibrium - implications for magmatic/hydrothermal ore deposits	Christian Singer
09:15	Dynamics of HFSE transfer in high level alkaline intrusions: the role of multiple melt - fluid – solid interaction	Fahmi Hakim
09:30	Internally-consistent thermodynamic model for hydrothermal transport of Pb-Zn-Ag-Au-As-Sb: development and application to formation of sediment-hosted Pb-Zn and epithermal Ag-Au-As-Sb deposits	Maximilian Beeskow
09:45	Niobium, zirconium, titanium, and rare earth elements in alkaline silica-undersaturated magmas: experimental determination of solubility, complexation and phase relations and implications for the formation of magmatic Nb-Zr-REE deposits	Anna Nikolenko
10:00	Experimental studies on Mo mobility in high-pressure high-temperature fluids of complex compositions	Maria Kokh
10:15	Experimental determination of boron isotope fractionation between silicate melts and aqueous fluids, with application to understanding magmatic-hydrothermal ore genesis	Jakob Rauscher

10:30	Speciation of rare earth elements in hydrothermal systems	Rajorshi Chattopadhyay
10:45	The role of early cumulate formation for HFSE enrichment in foidolitic systems	Dominik Gudelius

Talk session 4

CET	TITLE	PRESENTER
11:30	Cassiterite solubility, tin partitioning, and the origin of porphyry tin deposits	Hans Keppler
11:45	Rare-metal enrichment in carbonatite-bearing magmatic systems: Part A. Understanding magmatic evolution and enrichment processes in time by high-precision dating and inclusion studies	Daria Voropaeva
12:00	Rare-metal enrichment in carbonatite-bearing magmatic systems: Part B. Understanding the role of fractional crystallization and liquid immiscibility by experimental simulations of silicate-carbonatite systems	Antonia Simon
12:15	Potential role of alkaline aqueous fluids in the formation of supergene and low-temperature hydrothermal mineralizations: experiments and natural analogues	Timmu Kreitsmann