

3rd General Assembly 27.-28.03.2023

Potsdam

(University of Potsdam, Campus Golm, House 27, Room 0.01)

Scientific presentations of DOME projects: 15 min +5 min discussion

Topic

27.03.23

13:00	Arrival & Coffee
13:30	Introduction by Max Wilke and Max Korges (University of Potsdam)
13:45	Talk session 1
14:45	Break
15:15	Invited speaker Holly Stein (Colorado State University & the University of Oslo)
16:00	Talk session 2
17:20	End of 1 st day
19:00	Dinner

28.03.23

09:00	Talk session 3
11:00	Break
11:30	Talk session 4
13:00	Lunch
14:00	Talk session 5
16:00	End of 2 nd day

Talk session 1

CET	TITLE	PRESENTER
13:45	Magmatic input in the actively forming seafloor massive sulfide in the Kolumbo volcano : How are metals mobilized	Simon Hector (online)
14:05	Timing and origin of skarn-, greisen- and vein-hosted tin mineralization at Geyer, Erzgebirge	Nicolas Meyer
14:25	Boron isotopic composition of micas and fluid evolution in the Sadisdorf Li-Sn-(W-Cu) vein- and greisen-system	Dino Leopardi

Talk session 2

CET	TITLE	PRESENTER
16:00	Volatile and precious elements in plutonic and volcanic rocks from Thrace, NE Greece - Implications for metallogeny in continental arcs	Jan Falkenberg
16:20	Partial melting experiments of depleted harzburgite: The role of variable H ₂ O on Cr mobility	Myriam Ruttman
16:40	Tin partitioning between a peraluminous granitic melt and fluid: an experimental approach	Julie Michaud
17:00	Experimental determination of boron isotope fractionation between silicate melts and aqueous fluids, with application to understanding magmatic-hydrothermal ore genesis	Jakob Rauscher

Talk session 3

CET	TITLE	PRESENTER
09:00	Transport of light elements in pegmatitic systems and diffusive isotope fractionation	Christian Singer
09:20	The variation of halogen ratios across the magmatic to hydrothermal evolution of the Cornubian Sn-W-Cu province	Mauro Bongiovanni
09:40	Fluid evolution in the alkaline igneous complex of Iivaara, Finland	Fahmi Hakim
10:00	Thermodynamics of solutes in low-density fluids: design and calibration of a new equation of state using mineral solubilities	Federica Salomone
10:20	Geochemical-thermodynamic modeling of Pb-Zn-Ag-Au-As-Sb systems - an update	Maximilian Beeskow
10:40	Selenium and tellurium elemental systematics from the subcontinental lithospheric mantle beneath southern Patagonia	Maria Varas-Reus

Talk session 4

CET	TITLE	PRESENTER
11:30	Eudialyte solubility in alkaline silica-undersaturated melts at 750-1000 °C and 100-200 MPa conditions	Anna Nikolenko
11:50	The role of antiskarn reactions for REE enrichment of carbonatites – petrological and mineral chemical evidence from three different ultrabasic-alkaline-carbonatite complexes from Kola Alkaline Province	Daria Voropaeva
12:10	Experimental simulation of liquid immiscibility in a primitive silicate-carbonatite system	Antonia Simon
12:30	Rare earth elements systematics in alkaline lakes	Timmu Kreitsmann

Talk session 5

CET	TITLE	PRESENTER
14:00	Magmatic controls on fluid exsolution and implications for porphyry deposits formation	Yulia Gruzdeva
14:20	The magmatic system at conical seamount: Insights from major and volatile element data	Louis-Maxime Gautreau
14:40	Contrasting HFSE evolution during magmatic and metasomatic processes in carbonatite-associated ultramafic silicate rocks	Gregor Markl
15:00	Significance of P- and REE-metasomatism for Sn and Cu mineralization at the Neves Corvo Cu-Zn-Pb(-Sn) deposit, Iberian Pyrite Belt	Marta Codeco
15:20	Probing molybdenum deposits by X-rays	Maria Kokh
15:40	Final discussion	