

4th General Assembly 29.02.-01.03.2024

Bad Kissingen

(Hotel Sonnehügel, Burgstraße 15, 97688 Bad Kissingen)

Scientific presentations of DOME projects: 12 min +3 min discussion

Topic

29.02.24

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| 14:00 | Introduction by Max Wilke and Max Korges |
| 14:15 | Invited speaker Alexander Gysi |
| 14:45 | Talk session 1 |
| 15:30 | Break |
| 16:00 | Talk session 2 |
| 17:30 | End of 1 st day |
| 19:00 | Dinner |

01.03.24

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|-------|-------------------------------|
| 08:30 | Invited speaker Nicole Hurtig |
| 09:00 | Talk session 3 |
| 10:00 | Break |
| 10:30 | Talk session 4 |
| 12:00 | Lunch |
| 13:00 | Talk session 5 |
| 14:30 | End of 2 nd day |

Talk session 1

| CET | TITLE | PRESENTER |
|--------------|---|---------------|
| 14:45 | Fluid Evolution in the Iivaara Alkaline Complex, Finland | Fahmi Hakim |
| 15:00 | Lithium micas and B isotopes as tracers of the magmatic-hydrothermal evolution in Li-Sn-W deposits | Dino Leopardi |
| 15:15 | Transport processes of Sn and W within the crust: From a peraluminous granitic melt to a mineralizing fluid | Julie Michaud |

Talk session 2

| CET | TITLE | PRESENTER |
|--------------|--|---------------------------|
| 16:00 | Geochemical-thermodynamic modeling of Pb-Zn-Ag-Au-As-Sb systems - an update | Maximilian Beeskow |
| 16:15 | Thermodynamics of solutes in low-density fluids: dissociation of H ₂ O, HCl and NaCl | Federica Salomone |
| 16:30 | Speciation of rare earth elements in hydrothermal fluids | Rajorshi Chattopadhyay |
| 16:45 | Timing of volatile degassing from hydrous upper-crustal magma reservoirs with implications for PCD | Yulia Gruzdeva |
| 17:00 | The role of the trisulfur radical ion (S ₃ •-) in molybdenum transport by hydrothermal fluids | Maria Kokh |
| 17:15 | The surprising redox dependence of tin partitioning | Hans Keppler |

Talk session 3

| CET | TITLE | PRESENTER |
|--------------|--|-------------------|
| 09:00 | Solubility of loparite in alkaline silica-undersaturated melts at 750-1100 °C and 100 MPa conditions | Anna Nikolenko |
| 09:15 | The gold content of mafic to felsic potassic magmas | Jia Chang |
| 09:30 | Magmatic-hydrothermal processes recorded in fluid inclusions geochemistry | Mauro Bongiovanni |
| 09:45 | Tracking metal mobilizing processes in the Kolumbo volcano using Pb isotopes | Simon Hector |

Talk session 4

| CET | TITLE | PRESENTER |
|--------------|--|---------------------|
| 10:30 | Active ore systems at the seafloor - Observations from SO299 DYNAMET | Philipp Brandl |
| 10:45 | Geochemical fingerprinting of volcanogenic massive sulfide systems using accessory minerals | Valby van Schijndel |
| 11:00 | Reactive Transport Modelling of Ore Formation in Sedimentary Basins | Philipp Weis |
| 11:15 | Organic-inorganic interactions as mineralization control of the Permian Kupferschiefer | Hans-Martin Schulz |
| 11:30 | Project MoVE: Mechanisms of Vanadium Enrichment in shale-hosted deposits | Ashley Martin |
| 11:45 | The role of p-T conditions, host rock lithology, phase separation, and organic compounds on metal mobility and hydrothermal metal sulfide deposition: a multi-methods approach | Eva-Maria Meckel |

Talk session 5

| CET | TITLE | PRESENTER |
|--------------|---|----------------|
| 13:00 | The Impact of Microbes for Seafloor Massive Sulfide Formation, Transformation and Dissolution | Mirjam Perner |
| 13:15 | Preliminary data on antimony isotope composition of crustal rocks | Juraj Majzlan |
| 13:30 | Modelling of CHROMium Enrichment in the mantle and the crust (CHROME) | Nicolas Riel |
| 13:45 | Lithium isotopes Fractionation in magmatic process: Experimental approach and application in Li-Sn-W deposits | Xu Gao |
| 14:00 | Germanium in sphalerite | Ahmad Haghi |
| 14:15 | Speciation in carbonatitic brine melts and fluids from molecular simulations | Jan Dreschmann |