

**5<sup>th</sup> General Assembly & DMG GOOD Meeting**  
**31.03.-04.04.2025**  
**Goslar**

(Bildungshaus Zeppelin & Steinberg, Zeppelinstr. 7, 38640 Goslar)

Scientific presentations: 12 min +3 min discussion

	Topic
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<b>31.03.25</b>	
18:00	Dinner + Ice-Breaker
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<b>01.04.25</b>	
09:00	Introduction by Max Wilke and Max Korges
09:15	Talk session 1
10:30	Break
11:00	Talk session 2
12:00	Lunch
13:00	Invited speaker Christian Ihlenfeld
13:45	Talk Session 3
15:00	Break
15:30	Talk session 4
17:00	End of 1 <sup>st</sup> day
18:00	Dinner
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<b>02.04.25</b>	
09:00	Invited speaker Giada Iacono-Marziano
09:45	Talk session 5
10:30	Break
11:00	Talk session 6
12:00	Lunch
13:00	Invited Speaker Iris Sonntag (DFG)
13:45	Talk Session 7
15:00	Break
15:30	Talk session 8
17:00	End of 2 <sup>nd</sup> day
18:00	Dinner
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## Talk session 1

CET	TITLE	PRESENTER
09:15	Rhenium transport and fractionation by hydrothermal fluids in porphyry Cu-Au-Mo-W systems	Maria Kokh
09:30	<i>In situ</i> experimental studies of As enrichment and transport in magmatic-hydrothermal fluids	Daria Diagileva
09:45	The system $\text{Na}_2\text{O}+\text{CO}_2+\text{H}_2\text{O}\pm\text{SiO}_2$ : Experimental study on phase relations and the solubility of pyrochlore at high pressures and temperatures	Christian Schmidt
10:00	Germanium/silicon differentiation at hydrothermal conditions	Ahmad Haghi
10:15	Tin Mobility in Hydrothermal-Magmatic Systems. In Situ Observations Using Hydrothermal Diamond Anvil Cells	Pilar Valsera Moreno

## Talk session 2

CET	TITLE	PRESENTER
11:00	Can baddeleyite ( $\text{ZrO}_2$ ) be dated with CA-ID-TIMS with the same precision as zircon ( $\text{ZrSiO}_4$ )?	Daria Voropaeva
11:15	Non-matrix-matched <i>In situ</i> S isotope analyses by UV-fs LA-MC-ICP-MS and application to the sulfides from porphyry Cu mine Veliki Krivelj (East Serbia)	Marina Lazarov
11:30	High-Precision Sn isotope analysis using MC-ICP-MS/MS with Double Spike technique	Dapeng Zhu
11:45	Thermodynamic model for aqueous species in the Na-Mg-K-Ca-Al-Si-Fe-C-O-H-Cl system for low-density hydrothermal fluids	Federica Salomone

### Talk session 3

CET	TITLE	PRESENTER
<b>13:45</b>	Control factors on metal mobility deduced from initial (isotope) geochemical data of hydrothermal vent fluids in different geological settings	Eva-Maria Meckel Swastika Bhaumik
<b>14:00</b>	New Insights into SMS Deposits: How Microbial Activity and Oxygen Levels Shape Metal Preservation	Alexandra Tecza-Wiezel
<b>14:15</b>	Accessory Phases in the Archean Kidd Creek VMS Deposit – Fingerprints to unravel a complex deposit history	Rebecca Volkmann
<b>14:30</b>	The Enriched Anatectic Source of Granite-Related Lithium Deposits	Bence Horanyi
<b>14:45</b>	Enrichment and mobilization of tin during metamorphism in Erzgebirge	Owishi Sarkar

### Talk session 4

CET	TITLE	PRESENTER
<b>15:30</b>	Revisiting redox-driven pathways of tin cycle from source to economic deposit	Julie Michaud
<b>15:45</b>	Unraveling the tin isotope composition of granitic ore deposits	Katharina Ebert
<b>16:00</b>	The contributions of subducted sediments to the formation of magmatic-hydrothermal deposits	Matej Hlede
<b>16:15</b>	Timing and alteration footprint of the Pb-Zn-Ag epithermal vein system of the Freiberg District, Saxony, Germany	Marie Guilcher
<b>16:30</b>	Intermediate sulfidation system at the Armanis polymetallic deposit, northern Armenia	Fabian Groscurth
<b>16:45</b>	Metamorphism of pyrite during the Himalayan orogeny: implications for orogenic gold genesis	Abdul Latheef Thathrampally

## Talk session 5

CET	TITLE	PRESENTER
<b>09:45</b>	Typical and atypical orogenic gold deposits from Paleoproterozoic Finland: assessing fluid chemistries by hydrothermal alteration styles	Regina Albrecht
<b>10:00</b>	Progress on modelling of Chromium enrichment in the mantle and crust (CHROME)	Nicolas Riel
<b>10:15</b>	Sulfide-Silicate emulsion textures in orthomagmatic sulfide deposits	Dominic Raisch

## Talk session 6

CET	TITLE	PRESENTER
<b>11:00</b>	Petrogenesis and ore-forming processes of the ultramafic Kylmäkoski Ni-Cu-(Co) magmatic sulfide deposit, SW Finland	Patrick Hehn
<b>11:15</b>	Timing and nature of HFSE enrichment and mineralization in alkaline peridotite-melilitolite-foiolite-carbonatite complexes – a melt inclusion study from Gardiner (Greenland) and Kovdor (Russia)	Nicolas Meyer
<b>11:30</b>	Approach to Constraining Depth-Controlled Fluid-Mediated Metal Distribution in Alkaline-Carbonatite Magmatic Systems	Robert Edris
<b>11:45</b>	Carbon and Rare Earth Element Speciation in Late-Stage Carbonatite Fluids: Insights from Molecular Dynamics	Jan Dreschmann

## Talk session 7

CET	TITLE	PRESENTER
<b>13:45</b>	Boron deportment in Mamatwan-type mangano-lutite ores from the Kalahari Manganese Field, Northern Cape Province, South Africa	Valentin Ogé
<b>14:00</b>	Tracing sulfide precipitation pathways in small and large deposits in Zn-Pb sediment-hosted McArthur Basin, Australia	Candice Filoche
<b>14:15</b>	Reactive transport modelling of ore formation in sedimentary basins: non-isothermal compressible fluid flow	Julia Pimenta
<b>14:30</b>	Geochemical modelling of sediment-hosted Pb-Zn deposits	Nazif Umar
<b>14:45</b>	From hydrothermal fluids to mineral deposits: development of a new internally-consistent geochemical-thermodynamic model of Pb-Zn-Ag-Au-As-Sb systems	Maximilian Beeskow

## Talk session 8

CET	TITLE	PRESENTER
<b>15:30</b>	The role of organic matter on Kupferschiefer mineralization	Lisa-Christin Wlodkowski
<b>15:45</b>	Vanadium isotopes as a novel redox tracer: insights from modern anoxic basins and ancient shale-hosted V deposits	Ahley Martin
<b>16:00</b>	Ernst-August mine water monitoring: multi-sensor system for floating exploration of cavities	Mario Kolling
<b>16:15</b>	Introduction Harz + Rammelsberg	Max Wilke