

## GEOSCIENCES IN GERMAN SCHOOLS

For the first time, DVGeo was represented at the federal congress of the German Association for the Promotion of STEM teaching, *MINT* teaching in German, i.e., teaching of science, technology, engineering, and mathematics, see <https://MNU.de/>. The aim of DVGeo is to anchor geosciences more deeply in the school curricula in Germany. The Geosciences Olympiad, the Earth Learning Ideas exercise concepts, different modules of the MiLeKo mineralogical teaching kit, and information material from German GeoParks were presented at the DVGeo exhibition stand. The offer was completed by a lecture and workshop given by Sylke Hlawatsch (DGGV) as well as workshops offered by Carolin Otte (DMG) and Martin Meschede (DGGV). Alexandra Mauerberger (DGG), spokeswoman of the “Geosciences in Schools” group, says: “Our presence at the MNU has once again shown that we are dealing with a multitude of challenges. The response also showed how important our offer is for teachers and students.”



Geosciences at school are promoted by Sylke Hlawatsch (DGGV), Klaus-D. Grevel (DMG), Tamara Fahry-Seelig (DVGeo), Mathias Faller ([geowindow.de](http://geowindow.de)), and Thora Schubert (Bundesgesellschaft für Endlagerung, BGE). PHOTO: DVGeo.

**Tamara Fahry-Seelig** (Berlin)

## DMG SECTION MEETING 2024

### Applied Mineralogy and Crystallography

The sections for crystallography and applied mineralogy of the German Mineralogical Society conducted their yearly workshop from the 6<sup>th</sup> to 8<sup>th</sup> of March 2024 in Bad Windsheim, Bavaria. Nineteen participants from universities (Frankfurt, Bremen, Halle, Augsburg, Jena, Munich), research institutes (Fraunhofer Institute for Chemical Technologies, ITEL – German Lithium Institute, Helmholtz Centre of Materials and Energy, Max Planck Institute for Coal Research), and of the Mineralogical State Collection Munich gave 16 talks on topics such as energy materials, circular economy, biomineralisation, and storage minerals. The young scientists used the opportunity for networking with each other and with experienced colleagues and to discuss questions of their ongoing research. The use of mineralogical methods, from X-ray diffraction via spectroscopy and electron microscopy to density functional theory, and the interactions between materials and their environment connected a variety of different topics, ranging from the synthesis of materials for energy transition via characterisation of mineral wastes and by-products to the storage of pharmaceuticals in zeolites.

Besides the scientific exchange and socialising, the future of mineralogy as bridge between Earth and materials sciences was the dominant topic of the meeting. In this context, the emc<sup>2024</sup> in Dublin was promoted and several participants of the meeting confirmed their participation in this event as well. Suggestions for mineralogical sessions will also be made for the annual meeting in Göttingen (2025). A possible joint meeting with the German Crystallographical Society or associations from



2024 Crystallography / Applied Mineralogy section meeting. Group photo in front of Hotel Späth in Bad Windsheim, Germany.

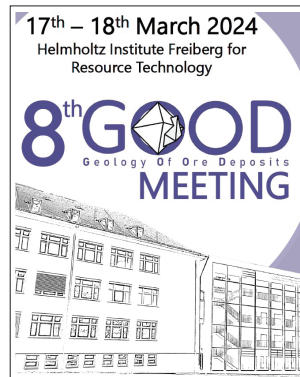
materials sciences was discussed. Finally, for the next section meeting taking place from the 26<sup>th</sup> to 28<sup>th</sup> of March 2025 in Bad Windsheim, it was decided to switch the language to English to address a broader group of scientists—please, mark your calendars accordingly!

**Daniel Vollprecht** (Augsburg)

## 8<sup>th</sup> GOOD MEETING

### Geology of Ore Deposits

On the 17<sup>th</sup> and 18<sup>th</sup> of March 2024, the 8<sup>th</sup> Geology of Ore Deposits (GOOD) meeting took place at the Helmholtz Institute Freiberg for Resource Technology. After a hiatus of about two years, we were very happy that the meeting received such good resonance: almost 40 participants travelled to Freiberg from Austria, Switzerland, Belgium, and different universities and research institutes across Germany. We enjoyed one evening of socialising over a BBQ and beers to break the ice, followed by a whole day filled with exciting talks and poster presentations on ore deposits, economic geology, geomaterials, and archaeometallurgy. Some of the participants then embarked on the Kupferschiefer field trip of the DMG's working group on mineral resources, which took place from the 19<sup>th</sup> to 21<sup>st</sup> of March and visited former mining and current exploration projects across Thuringia, Saxony-Anhalt, and Brandenburg.



Happy participants of the 8<sup>th</sup> GOOD Meeting in the entrance hall of the Helmholtz Institute Freiberg. PHOTO: TINA PEREIRA, HZDR.



The meeting was a great success and we would like to thank all the participants for their excellent posters and presentations! We are also grateful for the support we received from the DMG and DGGV in sponsoring student attendance, and helping us to spread the news. At the moment, we are actually still looking for someone to host the meeting next year (get in touch!), and are excited to hopefully see everyone again soon. Stay tuned.

**Marie Guilcher, Max Frenzel, Jan Cerny,  
and Axel Renno** (Freiberg)

### DMG SHORT COURSES IN SUMMER/FALL 2024

The DMG will support several short courses in summer/fall. All courses will be aimed primarily at advanced-level undergraduate and graduate students but, as always, are open to more senior researchers as well. Nonlocal student members of DMG will be eligible for travel support to the amount of € 100. Further information can be found at <https://www.dmg-home.org/aktuelles/doktorandenkurse/>. Please mark your calendars:

**In-situ Analysis of Isotopes and Trace Elements by Femtosecond Laser Ablation ICP-MS**, Institute for Mineralogy, Leibniz University Hannover, Ingo Horn, Marina Lazarov, Martin Oeser, Stefan Weyer, September 16–20, 2024 ([s.weyer@mineralogie.uni-hannover.de](mailto:s.weyer@mineralogie.uni-hannover.de))

**Application of Diffusion Studies to the Determination of Timescales in Geochemistry and Petrology**, Institute for Geology, Mineralogy and Geophysics, Ruhr University Bochum, Sumit Chakraborty, Ralf Dohmen, October 21–25, 2024 ([sumit.chakraborty@rub.de](mailto:sumit.chakraborty@rub.de))

### TRIPLE POINT • *Cont'd from page 151*

Kelly KT (2008) Ockham's razor, truth, and information. In: Adriaans P, van Benthem J (eds) *Handbook of the Philosophy of Science, Volume 8. Philosophy of Information*. Elsevier, Amsterdam, pp 321–359

Kleinbans MG, Buskes CJJ, de Regt HW (2010) Philosophy of earth science. In: Alhoff F (ed) *Philosophies of the Sciences: A Guide*. Blackwell Publishing Ltd, Oxford, pp 213–236, doi: 10.1002/9781444315578.ch9

Lakatos I (1969) Criticisms and the methodology of scientific research programmes. *Proceedings of the Aristotelian Society* 69: 149–186, doi: 10.1093/aristotelian/69.1.149

McLennan SM, Grotzinger JP, Hurowitz JA, Tosca NJ (2019) The sedimentary cycle on early Mars. *Annual Reviews of Earth and Planetary Science* 47: 91–118, doi: 10.1146/annurev-earth-053018-060332

McLennan SM, Rudnick RL (2021) Stuart Ross Taylor (1925–2021): a tribute to his life and scientific career. *Meteoritics & Planetary Science* 56: 1784–1791, doi: 10.1111/maps.13733

McLennan SM (2022) Composition of planetary crusts and planetary differentiation. In: Gregg TKP, Lopes RMC, Fagents SA (eds) *Planetary Volcanism*

*Across the Solar System*. Elsevier, Amsterdam, pp 287–331, doi: 10.1016/B978-0-12-813987-5.00008-0

Menard HW (1971) *Science: Growth and Change*. Harvard University Press, 215 pp, doi: 10.4159/harvard.9780674420748

Palin RM, Santosh M (2021) Plate tectonics: what, where, why, and when? *Gondwana Research* 100: 3–24, doi: 10.1016/j.gr.2020.11.001

Platt JR (1964) Strong inference: certain systematic methods of scientific thinking may produce much more rapid progress than others. *Science* 146: 347–353, doi: 10.1126/science.146.3642.347

Popper KR (1962) *Conjectures and Refutations: The Growth of Scientific Knowledge*. Routledge, 412 pp

Popper KR (1972) *Objective Knowledge: An Evolutionary Approach* (Revised Edition). Oxford University Press, 390 pp

Sober E (2015) *Ockham's Razors: A User's Manual*. Cambridge University Press, 314 pp

Taylor SR, McLennan SM (2009) *Planetary Crusts: Their Composition, Origin and Evolution*. Cambridge University Press, 378 pp

### EXPERIMENTAL MINERALOGY, PETROLOGY, AND GEOCHEMISTRY XIX MEETING

## EMPG XIX

Orléans, 16–19 June 2025



Dear colleagues,

We are delighted to announce that the next Experimental Mineralogy, Petrology, and Geochemistry meeting, EMPG XIX, will take place at Orléans, France, on 16–19 June 2025.

The International Symposium on **Experimental Mineralogy, Petrology and Geochemistry** brings together researchers from all fields of experimental geosciences with a focus on material science and numerical modelling. The meeting offers a unique opportunity for research presentations and discussion on experimental work.

<b>1 September 2024</b>	Abstract Submission, Grant, and Student Helper Applications Open
<b>1 January 2025</b>	Grant Application Deadline
<b>1 January 2025</b>	Abstract Submission Deadline
<b>1 January 2025</b>	Early Registration Deadline
<b>16–19 June 2025</b>	EMPG 2025

More information about submission, registration, and accompanying events will soon be available. Please regularly check our website: <https://empg2025.sciencesconf.org/>

Yours faithfully,

**Fabrice Gaillard**, on behalf of the organisers