



Postersession 2 **Meerscheinschlössl**

Wednesday, 23.9.2026 13:30 – Thursday 24.9.2026 17:00

Session 03: Die Rolle der Paläontologie in der Erdsystemforschung – Methoden, Innovationen und integrierte Forschungsansätze

The Role of Paleontology in Earth System Research – Methods, Innovations, and Integrated Research Approaches

P26-S03_P01: Anna Arrigoni et al.

Evaluating foraminifera-based paleodepth proxies across temporal and spatial scales: insights from the Early-Middle Pleistocene Transition

P26-S03_P02: Jassin Petersen et al.

Reconstructions of monsoonal activity in a deglacial context

P26-S03_P03: Brennan O'Connell et al.

Big and bizarre: Giant ooids in tidal Neoproterozoic seas

P26-S03_P04: Gerald Auer et al.

Tracing the Messinian Salinity Crisis into the Indian Ocean: Bulk Carbonate and Bulk Organic Matter Isotope Records from the Maldives (IODP Site U1467)

P26-S03_P05: Davide Di Franco et al.

From collections to computation: building structured paleontological datasets for AI-ready workflows

Session 05: Magmatische und metamorphe Petrologie Igneous and Metamorphic Petrology

P26-S05_P01: Daniela Gallhofer et al.

How zircon survives and monazite dissolves during partial melting of orthogneiss – a case study from Mt. Papuk, Croatia

P26-S05_P02: David Günzler et al.

Melt inclusions in monazite: How nanogranitoids can provide key insights into understanding crustal melting

P26-S05_P03: Christoph A. Hauzenberger et al.

Cryptic and Modal Mantle Metasomatism in Xenoliths from Central/Southern Vietnam and Southern Laos: Evidence for Multi-stage Interaction with Alkali and Carbonatitic Melts

P26-S05_P04: Christoph A. Hauzenberger et al.

Geological Evolution of Ophiolite Mélanges in the Albanides: From the Tithonian to Early Cretaceous

P26-S05_P05: Srett Santitharangkun et al.

Paragenetic Evolution and Geochronology of the Samoeng Sn-W deposit, Inthanon Zone, Northern Thailand

P26-S05_P06: Petra Schneider et al.

Late Permian diabase dikes from Mt. Papuk (N Croatia): possible evidence for the Neotethys Ocean opening?

P26-S05_P07 : Lucas Simian et al.

Toward a better understanding of scapolite compositional variability: Implications for scapolite-plagioclase thermometry in HT rocks

P26-S05_P08 : Peter Tropper & Vincent Hübner

The chemical composition of tourmalines from metapelites and metapegmatites as a function of prograde metamorphism

P26-S05_P09: Jesse B. Walters et al.

Garnet U-Pb ages reset by ultrahigh temperature melt-rock interaction: A case study from the basin and range province

Session 07: Applied Geosciences and Mineral Raw Materials

P26-S07_P01: Allakhverdi Akhverdievm et al.

Seismic classes prediction and facies association based on the pre-stack seismic inversion results

P26-S07_P02: Florian Altenberger et al.

HeavyMin: Scheelite in stream sediments as an indicator for tungsten exploration potential in the Eastern Alps, Austria

P26-S07_P03: Ronny Boch et al.

Strategies for the evaluation and reduction of mineral precipitates impairing hydrogeothermal energy production

P26-S07_P04: G.M. Efendiyev et al.

Comparative Analysis of Pore Pressure Prediction Methods Based on Drilling and Logging Data

P26-S07_P05: Michael Gostencnik et al.

Archaeometry and provenance of serpentinite tools in eastern Austria: implications for Neolithic resource management and distribution networks

P26-S07_P06: Michael Gostencnik et al.

Quantification of Antigorite in Serpentinites by XRD

P26-S07_P07: Tanja Knoll et al.

ExPeg - a ground based exploration tool for pegmatites

P26-S07_P08: Tanja Knoll et al.

A comprehensive characterization of Lithium-pegmatite fields in the Austroalpine Unit Pegmatite Province (AUPP)

P26-S07_P09: Piotr Lipiarski et al.

Der Isotopenatlas österreichischer Rohstoffvorkommen als Informationsebene auf GeoSphere Austrias Applikation IRIS-Online

P26-S07_P10 : Nikolaus Petschacher & Vilmos Vasvári

Unidirectional Aquifer Thermal Energy Storage for Urban Heating and Cooling in High-Flow Aquifers: A Case Study from State Hospital Graz South, Austria

P26-S07_P11: Gerald Schuberth et al.

Mineralogical and geochemical characterization of serpentinites in the Speik Complex (Austroalpine Unit, Eastern Alps)

P26-S07_P12: Gerald Schuberth et al.

Ultramafic rocks in the Raabs and Gföhl Unit (Austrian Bohemian Massif): characterization, mineralogy and degree of serpentinitization

P26-S07_P13: Mohamed Shagoush et al.

Integrated 3D Static Modeling and Rock Typing of the Hawaz Formation, H-NC186, Murzuq Basin, South West Libya

P26-S07_P14: Ahmed Smida et al.

Integrated Multi-Vendor Seismic Interpretation for Uncertainty Reduction: A Case Study from Murzuq Basin

P26-S07_P15: Bernd Trabi et al.

Frequency-Domain Detection of Controlled-Source Sparker Pulses with Low Signal-to-Noise Ratio Using Seismic Arrays

Session 08: Wasser als Ressource und Risiko: Geowissenschaftliche, geotechnische und praxisorientierte Perspektiven
Water as a resource and a risk: Geoscientific, geotechnical, and practical perspectives

P26-S08_P01: Marlies Gold et al.

(Neue) Alter von Tiefengrundwässern im Steirischen Becken

P26-S08_P02: Christina Neuhold et al.

New Insights into the Distribution and Structure of the Carinthian Gravel Formation in the Fürstenfeld Basin Based on Seismic and Well Data

P26-S08_P05: Martin Masten et al.

Climate Change Impacts on Alpine Springs in Austria: Shifts in Discharge Seasonality and Water Availability

Session 09: Hydrogeochemie und Wasserqualität: Natürliche Prozesse, anthropogene Einflüsse und praxisorientierte Lösungen
Hydrogeochemistry and water quality: Natural processes, anthropogenic influences, and practical solutions

P26-S09_P03: Martin Kralik & Michael Heidinger

Mixing and age of deep thermal groundwater revealed by ^{81}Kr , ^{18}O and ^{87}Sr -isotopes in the Austrian Alpine Foreland Basin

P26-S09_P04: Ralph Benko et al.

Indikatoren zur Identifikation von Denitrifikation im Grundwasser
