

# Poster exhibition

Posters will be presented at the Aula. The poster exhibition has been divided in 3 poster socials:

Monday, 3 Sept., 16:30-18:00, Sessions: 2c | 5b | 5c | 5e | 6b | 9a | 12a | 13a | 13b | 14a | 16a | 16b | 16c | 17a

Tuesday, 4 Sept., 16:45-18:15, Sessions 1a | 1b | 1c | 2a | 3a | 3b | 3c | 5f | 6a | 7c | 8a | 8e | 9d | 10c+e | 10g | 11b | 11c | 15a

Wednesday, 5 Sept., 16:15-17:45, Sessions: 2b | 2d | 4a | 4b | 4c | 5a | 5d | 7a | 8b | 8c | 9c | 10b | 10d | 10h | 10i

Each poster should be the size of the upright German DIN A0-format which equates to 841 mm width x 1,189 mm height (33.11 in x 46.81 in).

Please note that the organizers are not able to provide printout of posters.

Please mount your poster to your assigned poster board latest during the morning coffee break on the day of your presentation. Mounting material will be provided at the registration desk. Please make sure to remove your poster directly after the poster session.

POSTER AWARDS: Three best posters of (PhD) students will be selected by a jury and awarded. The selected posters will be awarded during the Closing Ceremony on Thursday, September 6.

## List of posters

*by sessions in alphabetical order of first authors' family names*

Monday, 3 Sept., 16:30-18:00, Sessions: 2c | 5b | 5c | 5e | 6b | 9a | 12a | 13a | 13b | 14a | 16a | 16b | 16c | 17a

No.	Session	Authors	Presenter	Title
Mon-01	2c	Estrada, Solveig; Koglin, Nikola; Gerdes, Axel; Sonntag, Benita-Lisette; Tessensohn, Franz	Estrada, Solveig	Ediacaran (Timanian) island arc fragments of Baltica at the north coast of Laurentia
Mon-02	2c	Geersen, Jacob; Behrmann, Jan H; Klaucke, Ingo; Kopp, Heidrun; Lange, Dietrich; Ranero, César R; Barckhausen, Udo; Reichert, Christian; Tréhu, Anne M; Contreras-Reyes, Eduardo	Geersen, Jacob	Structure and active tectonics of the sediment starved North Chilean continental margin and the oceanic Nazca Plate
Mon-03	2c	Hoyer, Patrick A.; Woelki, Dominic; Regelous, Marcel; Haase, Karsten	Hoyer, Patrick A.	Melt processes of ultramafic mantle rocks of the Troodos Ophiolite: A case study of trace elements in clino- and orthopyroxene.
Mon-04	2c	Kley, Jonas; Sobel, Edward R.; Rembe, Johannes; Voigt, Thomas; Jie, Chen; Liu, Langtao	Kley, Jonas	Does intracontinental subduction occur in the Pamir? Inferences from the foreland fold-and-thrust belt in Kyrgyzstan and western China
Mon-05	2c	Koglin, Nikola; Estrada, Solveig	Koglin, Nikola	Zircon grains from serpentinite of the Voykar Massif, Polar Urals: Trace elements, U-Pb and Lu-Hf isotopic data
Mon-06	2c	Krob, Florian C.; Glasmacher, Ulrich A.; Bunge, Hans-Peter; Friedrich, Anke M.; Hackspacher, Peter C.	Krob, Florian C.	Do thermochronological data and stratigraphic records store plume movement?
Mon-07	2c	Vibe, Yulia; Friedrich, Anke M; Bunge, Hans-Peter; Clark, S. R.	Friedrich, Anke M.	Correlations of oceanic spreading rates and Hiatus Surface Area in the North Atlantic Realm
Mon-08	5b	Grigowski, Edouard	Grigowski, Edouard	High-resolution sedimentological and geochemical investigations of the Leutesdorf Formation, Mayen, Germany
Mon-09	5b	Koch, Heike; McCann, Tom	Koch, Heike	Sandstone characterisation from the Neogene-age Tabernas Basin, SE Spain
Mon-10	5b	Lewin, Anna; Meinhold, Guido; Hinderer, Mathias; Bussert, Robert; Dawit, Enkurie L.	Lewin, Anna	Sediments of two Gondwana glaciations in Ethiopia: Integrated provenance analysis based on bulk geochemistry, heavy mineral assemblage and single-grain techniques



No.	Session	Authors	Presenter	Title
Mon-11	5b	Mansouri, Maryam; Hinderer, Matthias; Stutenbecker, Laura; Augustsson, Carita	Mansouri, Maryam	Towards a sediment budget of the Buntsandstein in Europe and its implication for palaeoenvironmental conditions at and shortly after the Permian-Triassic Boundary
Mon-12	5c	Garefalakis, Philippos; Schlunegger, Fritz	Garefalakis, Philippos	Tectonic controls on the Burdigalian transgression of the Upper Marine Molasse inferred from the stratigraphic architecture
Mon-13	5c	Grimmer, Jens Carsten	Grimmer, Jens Carsten	GIS-based DEM5-LiDAR lineament analysis and fault-slip data from the Kaiserstuhl volcanic edifice and first structural data from the Vogelsberg volcanic field: Implications for Neogene deformation in the Upper Rhine Graben area
Mon-14	5c	Khalifa, Nabel Laswad; Back, Stefan	Khalifa, Nabel Laswad	The interaction between tectonics and carbonate-system development in western offshore Libya
Mon-15	5c	Strozyk, Frank; Reuning, Lars; Back, Stefan; Kukla, Peter	Strozyk, Frank	Giant pockmark formation from Cretaceous hydrocarbon expulsion in the western Lower Saxony Basin, The Netherlands
Mon-16	5c	Stück, Heidrun Louise; Jähne-Klingberg, Fabian; Bense, Frithjof; Wolf, Marco	Stück, Heidrun Louise	Salt structures in the German North Sea: New results by re-evaluation and systematic classification
Mon-17	5e	Friedrichs, Bjarne; Schmitt, Axel K.; Danisik, Martin; Atici, Gökhan; Yurteri, Esra	Friedrichs, Bjarne	Holocene Silicic Volcanism at Mt. Erciyes, Central Anatolia, Turkey
Mon-18	5e	Mechernich, Silke; Gromig, Raphael; Goral, Tomasz; Binnie, Steven A.; Dunai, Tibor	Mechernich, Silke	Advances in cosmogenic chlorine-36 dating applications
Mon-19	5e	Scheck, Sebastian; Krauß, Lydia; Schwindt, Daniel; Völkel, Jörg	Krauß, Lydia	Towards a reconstruction of landscape developments in the Otterbach catchment (Bavarian Forest, Southern Germany)
Mon-20	5e	Schoch, Anna; Blöthe, Jan Henrik; Munack, Henry; Hornung, Jens; Codolean, Alexandru; Fülöp, Réka; Schrott, Lothar	Schoch, Anna	Postglacial evolution of large fan systems in the Upper Rhone Valley, Switzerland
Mon-21	5e	Terweh, Simon; Hoffmann, Thomas; Schrott, Lothar	Terweh, Simon	Biotic control on sediment dynamics mediated through grain size distribution in the Chilean Coastal Cordillera
Mon-22	6b	Kölln, Sabine; Conrad, Olaf; Riller, Ulrich	Kölln, Sabine	Quantification of the fractal dimension of cataclasites in granitoid target rocks of the Chicxulub impact crater (Yucatán peninsula, Mexico) using SAGA GIS image analysis
Mon-23	6b	Kuhlmann, Natascha; Thein, Jean; Nagel, Thorsten; Franz, Sven-Oliver; Garbe-Schönberg, Dieter	Kuhlmann, Natascha	The possible influence of the cosmic Impact of Rochechouart (France) on the NE Paris Basin
Mon-24	9a	Anagnostopoulos, Iphigenia; Knof, Johannes; Heuss-Aßbichler, Soraya	Anagnostopoulos, Iphigenia	Recovery of heavy metals from industrial wastewater- challenge of upscaling lab-scale experiments
Mon-25	9a	Berger, Maximilian; Neuhold, Simone; Szeldzcek, Philipp; Höllen, Daniel; Raith, Johann	Berger, Maximilian	Mineralogy and leachability of V, Cr, Cu, Mo, Ni and F from natural rocks: six examples from Austria
Mon-26	9a	Deissmann, Guido; Trincherio, Paolo; Molinero, Jorge; Puigdomenech, Ignasi; Gylling, Björn; Poonoosamy, Jenna; Bosbach, Dirk	Deissmann, Guido	Micro-continuum simulation of Ra-226 migration in fractured crystalline rocks: Application of High Performance Computing to evaluate effects of intrinsic system heterogeneity at the micrometer scale
Mon-27	9a	Günther, Amanda; Wachsmann, Martin; Faist, Christoph; Dittrich, Sebastian; Thome, Volker	Günther, Amanda	An innovative process chain for recovering metals from ashes and slags
Mon-28	9a	Heuser, Julia M.; Ji, Yaqi; Klinkenberg, Martina; Kowalski, Piotr M.; Schlenz, Hartmut; Neumeier, Stefan; Bosbach, Dirk; Deissmann, Guido	Deissmann, Guido	Radiation effects in Sm-monzonite – a potential waste matrix for plutonium and minor actinides
Mon-29	9a	Klinkenberg, Martina; Weber, Juliane; Barthel, Juri; Vinograd, Victor; Poonoosamy, Jenna; Bosbach, Dirk; Brandt, Felix	Klinkenberg, Martina	The Solid Solution – Aqueous Solution System (Ba,Sr,Ra)SO <sub>4</sub> + H <sub>2</sub> O at Sr-rich Compositions
Mon-30	9a	Lobanov, Sergey; Daly, John; Parise, John	Lobanov, Sergey	Iodine in metal organic frameworks at high pressure
Mon-31	9a	Lönartz, Mara; Dohmen, Lars; Trautmann, Christina; Lang, Maik; Geisler, Thorsten	Lönartz, Mara	The effect of heavy ion irradiation on the dissolution rate of borosilicate glasses studied in real-time by in situ Raman spectroscopy
Mon-32	9a	Neumeier, Stefan; Kegler, Philip; Klinkenberg, Martina; Niemeyer, Irmgard; Bosbach, Dirk	Kegler, Philip	Microparticle Production as Reference Materials for Particle Analysis Methods in Safeguards
Mon-33	9a	Roebbert, Yvonne; Schippers, Axel; Bernier-Latmani, Rizlan; Weyer, Stefan	Roebbert, Yvonne	Isotopic signature of non-crystalline U(IV) complexation with organic ligands

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No.	Session	Authors	Presenter	Title
Mon-34	9a	Sattler, Theresa Magdalena; Höllen, Daniel	Sattler, Theresa Magdalena	Processing & Recycling of Synthetic Mineral Fibers
Mon-35	9a	Schilling, Frank R.; Müller, Birgit I.R.	Schilling, Frank R.	A Benchmark Experiment for Nuclear Waste Repositories
Mon-36	9a	Weyand, Torben; Larue, Jürgen	Weyand, Torben	Modelling the density-driven flow in deep aquifers up to the quasi-steady state using SPRING
Mon-37	12a	Pabst, Joachim; Herbig, Hans-Georg	Herbig, Hans-Georg	Vagile echinoderms from a Carboniferous pelagic environment – Evidence for the antiquity of the modern deep-water fauna
Mon-38	12a	Hofmayer, Felix; Reichenbacher, Bettina	Hofmayer, Felix	High resolution facies evolution in the early Miocene of the North Alpine Foreland Basin, with a new ostracod fauna contribution
Mon-39	12a	Kerschhofer, Franz Philip; Schreiber, Verena Gabriela; Catunda, Maria Carolina Amorim; Bahr, André; Friedrich, Oliver	Kerschhofer, Franz Philip	Foraminiferal-based reconstruction of changes in thermocline structure across the MIS 30/29 and MIS 22/21 transitions at IODP Site U1313
Mon-40	12a	Könen, Janine	Könen, Janine	Biometric analysis of modern miliolid benthic foraminifera as revealed by high resolution microtomography
Mon-41	12a	Lüddecke, Felix; Hartenfels, Sven	Lüddecke, Felix	New insights into the Famennian of the Minervois Nappe (Ravin de la Fontaine de Santé, southern France)
Mon-42	12a	Pint, Anna; Frenzel, Peter; Engel, Max; Ewald, Judith; Dinies, Michèle; Neugebauer, Ina; Plessen, Birgit; Krahn, Kim J.; Schwarz, Anja; Hoelzmann, Philipp; Brückner, Helmut	Pint, Anna	Micro- and Macrofossils as indicators of Early Holocene palaeoenvironmental changes in the northwestern Saudi Arabia
Mon-43	12a	Pint, Anna; Seeliger, Martin; Frenzel, Peter; Feuser, Stefan; Berndt, Christopher; Pirson, Felix; Brückner, Helmut	Pint, Anna	The environs of Elaia's ancient harbour – a reconstruction based on microfaunal evidence
Mon-44	12a	Weinmann, Anna E.; Langer, Martin R.; Goldstein, Susan T.; Triantaphyllou, Maria V.	Weinmann, Anna E.	What could have been – Implications from laboratory experiments on foraminiferal assemblages for environmental reconstructions
Mon-45	13a	Fuchs, Helena; Reznik, Boris; Schilling, Frank; Kontny, Agnes	Fuchs, Helena	Magnetic and structural behaviour of magnetite subjected to cyclic loading under temperature conditions relevant for the upper crust
Mon-46	13a	Maggini, Massimiliano; Caputo, Riccardo	Maggini, Massimiliano	The interplay of strain rate and geometry of shear zones from a rheological modelling perspective
Mon-47	13a	Nardini, Livia; Rybacki, Erik; Morales, Luiz; Dresen, Georg	Nardini, Livia	Effect of loading conditions on the nucleation and development of shear zones around material heterogeneities
Mon-48	13a	Schuck, Bernhard; Schleicher, Anja M.; Janssen, Christoph; Toy, Virginia G.; Dresen, Georg	Schuck, Bernhard	What controls strain localization of the Alpine Fault, New Zealand?
Mon-49	13b	Reiter, Karsten; Henk, Andreas; Heidebach, Oliver; Müller, Birgit; Hergert, Tobias; Schilling, Frank	Reiter, Karsten	The SpannEnD project – crustal stress data, stress modelling and modelling tools for the site selection process of a deep geological repository of radioactive waste in Germany
Mon-50	14a	Bense, Frithjof; Stück, Heidrun; Jähne-Klingberg, Fabian	Bense, Frithjof	A seismic interpreter's perspective on geological uncertainty – examples from the assessment of CO <sub>2</sub> geological storage prospectivity
Mon-51	14a	Bense, Frithjof; Jähne-Klingberg, Fabian; Stück, Heidrun; Müller, Simon; Arfai, Jashar; Wolf, Marco; Wobbe, Astrid; Steuer, Stephan	Bense, Frithjof	Project TUNB – An overview of recent R&D work in the German North Sea sector
Mon-52	14a	Kloke, Ralf; Dresbach, Christian; Schlüter, Detlef	Kloke, Ralf	OpenGEO- an application for geological 3D modelling
Mon-53	14a	Wojatschke, Jasmara; Barth, Gregor; Obst, Karsten	Wojatschke, Jasmara	3D Modeling of Geothermal Reservoirs in Mesozoic Delta Systems of the North German Basin – First Approaches
Mon-54	16a	Kirst, Frederik; Linckens, Jolien	Kirst, Frederik	Exploring the feedback mechanisms between deformation, fluid flow and metamorphism along the subduction interface: The record within metasediments from the Western Alps
Mon-55	16a	Kurganskaya, Inna; Arvidson, Rolf S; Churakov, Sergey V; Lutge, Andreas	Kurganskaya, Inna	Formulating Kinetic Monte Carlo models of crystal dissolution and growth
Mon-56	16a	Richter, Madeline; Löwe, Georg; Onuzi, Kujtim; Ustaszewski, Kamil	Richter, Madeline	Tectonometamorphic and hydraulic processes along a fossil subduction plate interface gleaned from detailed mapping in the northern Mirdita Ophiolites (Bajram Curr, Albania)



No.	Session	Authors	Presenter	Title
Mon-57	16a	Saar, Olga	Saar, Olga	A retrograde epidote-amphibolite shear zone of Storekorsenes, Norway.
Mon-58	16b	Büssing, Robert; Bartzke, Gerhard; Fischer, Cornelius; Lüttge, Adreas; Huhn-Freher, Katrin	Büssing, Robert	Investigation of the influence of fluid flow on the mass transport on the microscale using 3D numerical simulation
Mon-59	16b	Neumann, A.; Svensson, K.; Pöllmann, H.; Menezes, F.; Lempp, C.	Neumann, Andreas	Investigation of the impact of CO <sub>2</sub> and associated compounds on the Grey Wesersandstone in the presence of formation waters at non ambient conditions
Mon-60	16b	Pedrosa, Elisabete Trindade; Neweshy, Wesam; Fischer, Cornelius; Arvidson, Rolf; Lüttge, Andreas	Pedrosa, Elisabete Trindade	The effect of orientation and location of calcite dissolution kinetics
Mon-61	16b	Pöllmann, Herbert ; Neumann, Andreas; Menezes, F.; Svensson, K.; Lempp, Ch.; Göske, J.; Winter, S.	Neumann, Andreas	Quartz habits and secondary pseudomorphs in the Grey Wesersandstein
Mon-62	16b	Rahnamarad, Jafar; Saadatkhah, Nader; Gereshki, Amirreza	Rahnamarad, Jafar	Study on Leakage around the Proposed Dam Foundation based on Site Geotechnical Properties and Rock Mass Structure
Mon-63	16b	Roeser, Patricia; Costa, Adivane; Queiroz, Gilberto; Scudino, Paulo; Friese, Kurt; Kipfer, Rolf	Roeser, Patricia	Remobilization of geogenic contaminants in groundwater and mine waters in the former mining district city of Ouro Preto, Minas Gerais (SE, Brazil): a pilot study
Mon-64	16b	Schneider, Magnus; Eiche, Elisabeth; Kontny, Agnes; Neumann, Thomas	Schneider, Magnus	Arsenic dynamic across an iron mineral dominated redox transition zone
Mon-65	16c	Berkels, Dennis; Massonne, Hans-Joachim; Fockenberg, Thomas	Berkels, Dennis	Preliminary experimental results on phase relations in the system K <sub>2</sub> O-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -H <sub>2</sub> O at 8-12 GPa to understand phase relations after deep subduction of continental crust
Mon-66	17a	Abu-Ali, Rania; El-Kammar, Ahmed	Abu-Ali, Rania	Chemostratigraphic study on the Upper Cretaceous-Paleogene sedimentary sequence in Wassief area, Safaga, Egypt
Mon-67	17a	Ahlers, Steffen; Hergert, Tobias; Henk, Andreas	Ahlers, Steffen	Numerical modelling of salt-related stress decoupling in the North German Basin
Mon-68	17a	Arndt, Josephine Louise Iris; Frisch, Konstantin; Voigt, Silke	Arndt, Josephine Louise Iris	Relationship between sediment facies and stable isotopes within a lacustrine sequence of mid-Miocene age in SE Kazakhstan
Mon-69	17a	Brune, Rouven Benedikt; Berndt, Paul; Flenner, Dennis; Pavlak, Johanna	Brune, Rouven Benedikt	Electrical Resistivity Tomography of the Lichtenstein cave system (Harz, Germany)
Mon-70	17a	Degenhardt, Tino; Fischer, Alexandra; Trinkler, Michael; Schiller, Wolfgang; Prinz-Grimm, Peter	Degenhardt, Tino	Geological Investigations on a suspected Fault Line in the north-western Vogelsberg Region by means of Core Drilling
Mon-71	17a	Drews, Effi-Laura; Lallensack, Jens; Sander, P. Martin; Wings, Oliver	Drews, Effi-Laura	Osteological description of plateosaur remains from the Keuper of Thuringia
Mon-72	17a	Hättig, Katrin; Stevens, Kevin; Thies, Detlev; Schweigert, Günter; Mutterlose, Jörg	Hättig, Katrin	Reconstruction of the Nusplingen Plattenkalk paleoenvironment with fossil shark-teeth geochemistry
Mon-73	17a	Heineke, Caroline; Hetzel, Ralf; Akal, Cüneyt; Christl, Marcus	Heineke, Caroline	Lifespan of water reservoirs estimated from cosmogenic <sup>10</sup> Be in stream sediment – A case study from Western Turkey
Mon-74	17a	Johnen, Marc; Seher, Holger; Weyand, Torben; Artmann, Andreas	Johnen, Marc	Modelling the transport behaviour of contaminants potentially released by decommissioning wastes deposited on generic landfills to the groundwater, using the transport code SPRING
Mon-75	17a	Kremser, Rosalie; Freudenberg, Leah; Korsten, Philip; Biermanns, Peter; Schmitz, Benjamin; Reicherter, Klaus	Kremser, Rosalie	Tectonics shaping the landscape of Southern Montenegro and Northern Albania: A multidisciplinary study of Holocene surface processes at the Dinarides-Hellenides transition.
Mon-76	17a	Reinelt, Melanie; Heiko, Pälke	Reinelt, Melanie	Chaos of the Solar System: A method to detect chaotic transitions in Geological Time Series
Mon-77	17a	Rezaei, Leila; Timmerman, Martin J.; Moazen, Mohssen	Rezaei, Leila	Geochemical characteristics of gabbroic rocks in the Gasht-Masuleh area, Alborz Mts., north Iran
Mon-78	17a	Skopincev, Nikita	Skopincev, Nikita	Mapping of a duplex structure within the Middle Allochthon in the northern Fjällfjäll Window (N-Caledonides, N-Sweden)

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No.	Session	Authors	Presenter	Title
Mon-79	17a	Utami, Dwi Amanda; Reuning, Lars	Utami, Dwi Amanda	Microplastic accumulation in different sedimentary environments of patch reef systems (Kepulauan Seribu complex, Indonesia).
Mon-80	17a	Vossel, Hannah; Burfeid Castellanos, Andrea M.; Xavier, Benito	Vossel, Hannah	YOUNG ISDR, a new international platform for early career diatomists
Mon-81	17a	Weimar, Nadine Elisabeth; Schmidt, Katja; Erika, Kurahashi; Michael, Bau	Weimar, Nadine Elisabeth	Base flow colloidal and truly dissolved distribution of particle-reactive rare earths and yttrium in the Kalix and Råne Rivers, Northern Sweden, reveal a terrestrial origin of seawater REY patterns
Mon-82	17a	Weinstock, Stefanie; Marien, Chris S.; Ballhaus, Chris; Wilson, Allan; Münker, Carsten	Weinstock, Stefanie	Geochemistry and Petrology of volcanic rocks from the BARB1 and BARB2 drill cores of the Komati Formation, Barberton Greenstone Belt, South Africa
Mon-83	17a	Zindler, Robin; Pallapies, Kilian; Warnke, Fynn	Zindler, Robin	Geomagnetic investigation of a crashed military JU88 Aircraft in Lake Zwischenahn

Tuesday, 4 Sept., 16:45-18:15, Session: 1a | 1b | 1c | 2a | 3a | 3b | 3c | 5f | 6a | 7c | 8a | 8e | 9d | 10c+e | 10g | 11b | 11c | 15a

No.	Session	Authors	Presenter	Title
Tue-01	1a	Fischer, Meike B.; Maksumic, Benjamin; Peters, Stefan T. M.; Sengupta, Sukanya; Hartogh, Paul; Pack, Andreas	Fischer, Meike B.	Oxygen isotope fractionation in equilibrated high-temperature feldspar-rich rocks
Tue-02	1a	Pittarello, Lidia; Ntaflou, Theodoros	Pittarello, Lidia	P zoning in olivine in type IIA chondrules: record of a complex magmatic history?
Tue-03	1c	Brüske, Annika; Weyer, Stefan; Albut, Gueluem; Schuth, Stefan; Schoenberg, Ronny; Beukes, Nic; Hofmann, Axel; Nägler, Thomas	Weyer, Stefan	Tracing the onset of oxidative weathering with uranium isotopes
Tue-04	1c	Hasenstab, Eric; Schmitt, Vera; Marien, Christian; Tusch, Jonas; Kranendonk, Martin van; Schneider, Kathrin; Hoffmann, Elis; Münker, Carsten	Hasenstab, Eric	Hafnium and Nd isotope systematics of Pilbara basalts and komatiites from the Pilbara craton, Australia: tracing changes of Archean mantle composition through time.
Tue-05	1c	Sengupta, Sukanya; Breedveld, Gregor; Bau, Michael; Pack, Andreas	Sengupta, Sukanya	High precision triple oxygen isotope study of a Mesoarchean Banded Iron Formation of the Pongola Supergroup, South Africa
Tue-06	1b	Viehmann, Sebastian; Hohl, Simon V.; Krämer, Dennis; Bau, Michael; Walde, Detlef H.G.; Galer, Stephen J.G.; Jiang, Shao-Yong; Meister, Patrick	Viehmann, Sebastian	The reconstruction of microbial habitats during Mesoproterozoic stromatolite formation
Tue-07	2a	Rahn, Mirjam; Kukla, Peter	Rahn, Mirjam	Virtual 3D-Deposit model and resource estimation of a Seafloor Massive Sulfide deposit at the Mid-Atlantic Ridge
Tue-08	2a	Schwarzenbach, Esther Martina; Liebmann, Janne; Früh-Green, Gretchen; Strauss, Harald; Wiechert, Uwe; Gill, Benjamin; Johnston, David	Schwarzenbach, Esther Martina	Peridotite-fluid-microbe interaction in the oceanic lithosphere: insights from sulfur geochemistry
Tue-09	2a	Walter, Maren; Mertens, Christian; Köhler, Janna; Sültenfuß, Jürgen; Rhein, Monika	Walter, Maren	Hydrothermal $\delta^3\text{He}$ anomalies above slow and ultraslow spreading ridges
Tue-10	2a	Zhang, Chao; Koepke, Jürgen; Namur, Olivier	Zhang, Chao	MORB modified by melt-peridotite interaction at crust-mantle boundary: An experimental perspective
Tue-11	3a	Ditterová, Hana; Konrad-Schmolke, Matthias; Chew, D.	Ditterová, Hana	Decoding Rare Earth Element (REE) patterns in HP/LT garnets
Tue-12	3a	Ferrero, Silvio; O'Brien, Patrick J.; Borghini, Alessia; Wunder, Bernd; Wälle, Markus; Günter, Christina; Ziemann, Martin A.	Ferrero, Silvio	Crustal melting in the Bohemian Massif: a treasure chest full of nanogranitoids
Tue-13	3a	Herms, Petra; Giehl, Christopher; Appel, Peter; Möller, Andreas; Raase, Peter	Herms, Petra	Melting in high-pressure granulite-facies metapelites from a 2 Ga old subducted oceanic crust: evidence from polymineralic inclusions
Tue-14	3a	Rahimi, Gelareh; Massonne, Hans-Joachim	Rahimi, Gelareh	Evolution of Saxothuringian medium-grade metapelites from the Vogtland combining geothermobarometry and monazite in-situ dating



No.	Session	Authors	Presenter	Title
Tue-15	3a	Real, Christophe; Ferrando, Simona; Carosi, Rodolfo; Faßmer, Kathrin; Froiztheim, Nikolaus; Rubatto, Daniela; Groppo, Chiara	Real, Christophe	The pre-Alpine polymetamorphic basement of the Southern Alps: A new petro-geochronological data set from the Dervio-Olgiasca Zone.
Tue-16	3b	Behrmann, Jan H.; Schneider, Jakob; Zitzow, Benjamin	Behrmann, Jan H.	Fault slip analysis on Amorgos Island (Greece)
Tue-17	3b	Bousquet, Romain; Oberhänsli, Roland; Schmid, Stefan M.; Candan, Osman; Pourteau, Amaury	Bousquet, Romain	Tectonic and metamorphic frameworks of the Eastern Mediterranean: a preliminary work.
Tue-18	3b	Gerogiannis, Nikolaos; Xypolias, Paris; Chatzaras, Vasileios; Aravadinou, Eirini; Papapavlou, Konstantinos	Xypolias, Paris	Structural evolution of the Makrotantalo nappe (Cyclades, Greece)
Tue-19	3b	Gürer, Derya; Kirst, Frederik; Gerdes, Axel; Albert, Richard; Linckens, Jolien	Kirst, Frederik	In-situ U-Pb ages of multiple generations of calcite veins related to the Ivriz Detachment, Central Anatolia
Tue-20	3b	Gürsu, Semih; Koksall, Serhat; Möller, Andreas	Gürsu, Semih	Geochemical and isotopic data of meta-gabbroic dikes in Alaşehir Area in the Menderes Massif, Western Turkey: Evidence for the early Cambrian Back-Arc rifting
Tue-21	3b	Löwen, Kersten; Meinhold, Guido; Arslan, Arzu; Güngör, Talip; Berndt, Jasper	Meinhold, Guido	Evolution of the Palaeotethys in the Eastern Mediterranean: Age, provenance and tectonic setting of the Upper Palaeozoic Konya Complex and its Mesozoic cover sequence (south-central Turkey)
Tue-22	3b	Martha, Silviu O.; Zulauf, Gernold; Dörr, Wolfgang; Binck, Jannes J.; Nowara, Patrick M.; Xypolias, Paraskevas	Martha, Silviu O.	The Uppermost Unit south of the Dikti Mountains, eastern Crete (Greece): constraints on the tectonometamorphic evolution of the Internal Hellenides
Tue-23	3b	Nilius, Nils-Peter; Glotzbach, Christoph; Wölfler, Andreas; Dunkl, Istvan; Akal, Cüneyt; Heineke, Caroline; Hetzel, Ralf; Hampel, Andrea	Nilius, Nils-Peter	Thermochronological constrains on the bivergent exhumation of the Menderes Massif (western Turkey) along the Gediz and Büyük Menderes detachments
Tue-24	3b	Seybold, Lina; Trepmann, Claudia A.; Janots, Emilie	Seybold, Lina	Extensional shear bands in HP-LT metamorphic rocks in the Talea Ori, central Crete, Greece
Tue-25	3c	Chellai, El Hassane	Chellai, El Hassane	Some thoughts on the geodynamic and sedimentary evolution of the atlasic domain, Morocco
Tue-26	3c	Hauke, Matthias; Froitzheim, Nikolaus; Münker, Carsten	Hauke, Matthias	Subduction channel vs. progressive accretion: Insights from the Western Alps
Tue-27	5f	Henneberg, Mareike; Onneken, Julia; Schramm, Michael; Schubert, Thora; Hammer, Jörg	Henneberg, Mareike	Variations in the mineralogical composition of impure rock salt successions (Rotliegend, Zechstein, Keuper) from the North German Basin- first results
Tue-28	5f	Nádaskay, Roland; Kochergina, Yulia V.; Čech, Stanislav; Švábenická, Lilian; Valečka, Jaroslav; Čejková, Bohuslava	Nádaskay, Roland	Integrated stratigraphy of an offshore environment influenced by intense siliciclastic supply: implications for Coniacian tectonosedimentary evolution of the West Sudetic area (NW Bohemian Cretaceous Basin, Czech Republic)
Tue-29	5f	Wilmsen, Markus; Dölling, Bettina; Hiss, Martin; Niebuhr, Birgit	Wilmsen, Markus	The Cenomanian–Lower Coniacian (Upper Cretaceous) of the south-eastern Münsterland Cretaceous Basin, Germany: integrated stratigraphy, facies development and correlation
Tue-30	6a	Abbas, Wahid; Reicherter, Klaus	Abbas, Wahid	Stratigraphic Control on Seismic Behavior in the Vicinity of Kalabagh Fault, Sub Himalayas, Pakistan.
Tue-31	6a	Bruns, Ines; Bungenstock, Friederike; Karle, Martina	Bruns, Ines; Bungenstock, Friederike	Holocene landscape change of the coastal area of NW Germany during the Holocene- Mapping and first chronology of prehistorical storm surge layers
Tue-32	6a	Bungenstock, Friederike; Siegmüller, Annette; Schlotfeldt, Saryn	Bungenstock, Friederike	Holocene sea level rise and prograding coastlines in NW Germany: A beach ridge chronology based on shifting settlement remnants over time?
Tue-33	6a	Feist, Lisa; Bellanova, Piero; Mathes-Schmidt, Margret; Reicherter, Klaus; Laermanns, Hannes; Brückner, Helmut	Feist, Lisa	The AD 1755 tsunami and other extreme wave events in Boca do Río, Portugal
Tue-34	6a	Kummer, Sabine; Wagner, Dr. Florian; Heidemann, Niklas; Hoffmann, PD Dr. Gösta	Kummer, Sabine	Geophysical investigations on the Eifel Aqueduct

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Tue-35	6a	Mann, Thomas; Kench, Paul Simon; Kneer, Dominik; Beetham, Eddie; Schöne, Tilo; Rovere, Alessio; Marfai, Muh Aris; Westphal, Hildegard	Mann, Thomas	Extended periods of sea-level stability during mid-Holocene flooding of the Sunda Shelf
Tue-36	6a	Mechernich, Silke; Dahms, Hannah; Papanikolaou, Ioannis; Reicherter, Klaus	Mechernich, Silke	Postglacial slip rate variability of the Lastros normal fault (eastern Crete, Greece)
Tue-37	6a	Seeger, Katharina	Seeger, Katharina	Towards using sedimentary evidence of modern tropical cyclone deposits for long-term hazard assessment in Chaung Thar, Myanmar
Tue-38	6a	Seeliger, Martin	Seeliger, Martin	Foraminifera as markers of Holocene sea-level fluctuations and water depths of ancient harbours — A case study from the Bay of Elaia (W Turkey)
Tue-39	7c	Altona, Karim T.; Spieß, Iris; Schneider, Hartmut; Fischer, Reinhard X.	Altona, Karim T.	Characterization of germanium-/silicon mullites in the solid-solution series (SiO <sub>2</sub> ,GeO <sub>2</sub> )-Al <sub>2</sub> O <sub>3</sub>
Tue-40	7c	Beirau, Tobias; Nix, William D.; Ewing, Rodney C.; Pöllmann, Herbert; Salje, Ekhard K.H.	Beirau, Tobias	Radiation-damage-induced transitions in zircon: Percolation theory and the mechanical properties
Tue-41	7c	Bismayer, Ulli; Zietlow, Peter; Beirau, Tobias; Salje, Ekhard; Groat, Lee; Mihailova, Boriana; Toledano, Pierre	Bismayer, Ulli	Macroscopic and nanoscopic phenomena of the metamict state- titanite and pyrochlore
Tue-42	7c	Fink, Reinhard; Bertier, Pieter; Krooss, Bernhard; Weniger, Philipp	Fink, Reinhard	Interlayer water increases high-pressure CO <sub>2</sub> sorption capacity of SWy-2 Montmorillonite
Tue-43	7c	Herold, Andreas Maximilian; Techmer, Kirsten; Rybak, Jan Erik	Herold, Andreas Maximilian	Microstructures of pyrite studied by Electron Back Scatter Diffraction (EBSD)
Tue-44	7c	Li, Xiaodong; Wang, Qianqian; Lüttge, Andreas; Shen, Xiaodong	Li, Xiaodong; Lüttge, Andreas	Multiscale dissolution rate investigation on the same olivine (0 1 0) surface
Tue-45	7c	M.Yosefnejad, Davood; Nover, Georg	M.Yosefnejad, Davood	Detecting Co <sub>2</sub> flow in porous media by electrical resistivity method
Tue-46	7c	Müller, Dirk; Hess, Kai-Uwe; Wolf, Gerhard; Rokicki, Pawel; Palchyk, Volodymyr; Dingwell, Donald Bruce	Hess, Kai-Uwe	The VAsCo project – an integrated experimental approach to investigate the chemical interaction of volcanic ash with thermal barrier coatings of jet engine turbines
Tue-47	7c	Nawrocki, Marcin; Birkenstock, Johannes	Birkenstock, Johannes	Impacts on composition and thermal behavior of zeolite A (LTA) by extended washing with pure water – preliminary results
Tue-48	7c	Reissner, Claudia; Bismayer, Ulrich; Nix, William D.; Ewing, Rodney C.; Pöllmann, Herbert; Beirau, Tobias	Reissner, Claudia	Mechanical and structural properties of radiation-damaged allanite-(Ce)
Tue-49	7c	Todor, Andrei Ludovic; Birkenstock, Johannes; Fischer, Reinhard X.; Schneider, Hartmut	Birkenstock, Johannes	Two-phase mullites derived from fluorotopaz treatment and 3:2 mullite originating from combustion buchites
Tue-50	7c	Zimmer, Sinje; Stange, Kerstin; Kehren, Johannes; Geisler, Thorsten	Zimmer, Sinje	In situ hyperspectral Raman imaging of the high-temperature sintering reactions in calcite-kaolinite mixtures
Tue-51	8e	Böttcher, Helen Clarissa; Litt, Thomas; Rethemeyer, Janet; Schefuß, Enno	Böttcher, Helen Clarissa	Reconstruction of hydrological and vegetation changes in northern Israel during the last 30,000 years by pollen and isotope analyses of plant leaf waxes
Tue-52	8e	Landgraf, Jessica; Hoffmann, Gösta; Decker, Valeska	Landgraf, Jessica	Sedimentological and paleontological investigation of Holocene mangrove swamps in Oman
Tue-53	8e	Leupold, Maike; Pfeiffer, Miriam; Watanabe, Takaaki; Garbe-Schönberg, Dieter; Reuning, Lars; Shen, Chuan-Chou	Leupold, Maike	Monthly resolved sea surface temperatures of the tropical Indian Ocean for the last centuries inferred from coral-Sr/Ca measurements
Tue-54	8e	Miebach, Andrea; Chen, Chunzhu; Litt, Thomas	Miebach, Andrea	A 150,000-Year Vegetation and Climate History: The New Dead Sea Pollen Record
Tue-55	8e	Pickarski, Nadine; Litt, Thomas	Pickarski, Nadine	Preliminary Results of Volcanic Impacts on Ecological Systems Based on Annually Laminated Sediments from Lake Van, Turkey
Tue-56	8e	Stolzenberger, Sophie; Hense, Andreas	Stolzenberger, Sophie	How can we combine model and proxy data for paleoclimate reconstructions?





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Tue-58	8e	Ziemann, Martin A.; Fohlmeister, Jens; Trüssel, Martin	Ziemann, Martin A.	Raman spectroscopic investigation of mechanisms of calcite-aragonite transitions of a Holocene high-alpine stalagmite from Central Switzerland
Tue-59	9d	Fischer, Lennart Alexander; Charlier, Bernard; Namur, Olivier; Holtz, Francois	Fischer, Lennart Alexander	Constraints on the parental magma of the Upper and Upper Main Zone of the Bushveld Complex
Tue-60	9d	Junge, Malte; Wirth, Richard; Oberthür, Thomas; Melcher, Frank	Junge, Malte	How do platinum-group elements occur in sulfides – as solid solution or as nanometer-sized inclusions?
Tue-61	9d	Kaufmann, Anne; Pettke, Thomas; Baumgartner, Lukas	Kaufmann, Anne	Element partitioning at the magmatic-hydrothermal transition in a shallow plutonic system
Tue-62	9d	Kaufmann, Felix Emil David; Hoffmann, Marie C.; Bachmann, Kai; Veksler, Ilya V.; Trumbull, Robert B.; Hecht, Lutz	Kaufmann, Felix Emil David	The mineralogy, geochemistry and PGE variations in LG and MG chromitites of the northwestern Bushveld Complex, South Africa
Tue-63	9d	Müller, Gerrit; Deckart, Katja; Moncada, Daniel; Geisler, Thorsten; Carranza, Mauricio; Cabello, Pablo	Müller, Gerrit	Properties, Processes and Products of Evolving Hydrothermal Fluids at the Los Bronces Porphyry Cu(-Mo) deposit, Central Chile
Tue-64	9d	Ribacki, Enrico; Altenberger, Uwe; Kullerud, Kåre; Günter, Christina	Ribacki, Enrico	Characterization of Native Silver and Associated Minerals in the Vinoren Area, Kongsberg Silver District
Tue-65	10c, e)	Schucht, Pia Janina; Klein, Nicole; Sander, P. Martin; Lambertz, Markus	Schucht, Pia Janina	A comparison of different histological approaches for skeletal-chronological age determinations
Tue-66	10g	Hörnig, Marie K.; Haug, Carolin; Fischer, Thilo; Haug, Joachim T.	Hörnig, Marie K.	Fossil insect eggs in amber
Tue-67	10g	Schädel, Mario; Perrichot, Vincent; Haug, Joachim T.	Schädel, Mario	Marine larvae in Cretaceous amber – important insight into the evolution of parasitic life habits of epicaridean isopods
Tue-68	10g	Schwermann, Achim H.; Schöllmann, Lothar; Pott, Christian	Schwermann, Achim H.	A terrestrial vertebrate fauna from the Lower Cretaceous (Barremian–Aptian) of Balve, Westphalia, Germany
Tue-69	10g	Stegemann, Tanja R.; Reich, Mike	Stegemann, Tanja R.	Functional morphology of apodid body-wall ossicles (Echinodermata: Holothuroidea) from the Late Triassic Cassian Formation, Italy
Tue-70	11b	Pazinato, Paula G.; Haug, Joachim T.	Pazinato, Paula G.	Identifying species, dealing with deformed specimens – thoughts on the species of the pygocephalomorph group Liocaris from the Lower Permian of Brazil
Tue-71	11b	Scheil, Michael; Wings, Oliver; Knötschke, Nils; Sander, Paul Martin	Scheil, Michael	THE AGE STRUCTURE OF THE EUROPASAUROUS ASSEMBLAGE FROM THE LANGENBERG QUARRY (KIMMERDGIAN, UPPER JURASSIC, LOWER SAXONY, GERMANY)
Tue-72	11c	Graeber, Felix; Tomaschek, Frank; Lagos, Markus; Sander, Martin; Geisler, Thorsten	Graeber, Felix	U-Pb analyses of fossil bone apatite from the Upper Jurassic Morrison Formation (USA)
Tue-73	11c	Janssen, Kathrin; Steffens, Ursula; Mähler, Bastian; Rust, Jes; Bierbaum, Gabriele	Janssen, Kathrin	The impact of bacterial activity on decay and fossilization of arthropods: An experimental approach
Tue-74	11c	Mähler, Bastian; Geisler, Thorsten; Rust, Jes	Mähler, Bastian	Mineralization of muscles and precipitation of crystal clusters during the decomposition of <i>Cambarellus diminutus</i> (Decapoda: Cambaridae) in freshwater
Tue-75	11c	Wiersma, Kayleigh; Läbe, Sashima; Koschowitz, Marie-Claire; Lambertz, Markus; Sander, P. Martin	Wiersma, Kayleigh	Preliminary results to the organic phase (extracellular matrix, osteocyte, blood vessel) preservation in dinosaur bone: imaging the organic remains in fossilized bone
Tue-76	15a	Bornemann, André; Hiß, Martin; Plattetschläger, Franz	Bornemann, André	LithoLex – relaunched
Tue-77	15a	Steuer, Stephan; Thorpe, Stephen	Steuer, Stephan	Let's play! – The use of Minecraft® to communicate the complexity of the deep subsurface to the public





Wednesday, 5 Sept., 16:15-17:45, Sessions: 2b | 2d | 4a | 4b | 4c | 5a | 5d | 7a | 8b | 8c | 9c | 10b | 10d | 10h | 10i

No.	Session	Authors	Presenter	Title
Wed-01	2b	Kemperle, Marina; Kleinschrodt, Reiner	Kemperle, Marina	The role of the feldspar solvus for deformation mechanisms and rheology of the lower crust
Wed-02	2b	Koenemann, Falk H.	Koenemann, Falk H.	Physics and kinematics of S-C-fabric in plastic shear zones
Wed-03	2b	Kossak Glowczewski, Jacek; Froitzheim, Niko; Keppler, Ruth	Kossak Glowczewski, Jacek	Quartz textures related to exhumation of subducted continental crust: The northern range of the Vals-Scaradra Shear Zone at the front of the Adula Nappe (Central Alps, Switzerland) preliminary results
Wed-04	2b	Kuehn, Rebecca; Stipp, Michael; Leiss, Bernd	Stipp, Michael	Textures of phyllosilicate-bearing mud sediments indicating localized deformation in the continental wedge of the Costa Rica erosive margin
Wed-05	2b	Linckens, Jolien; Brey, Gerhard	Linckens, Jolien	Deformation and metasomatism of a mantle xenolith from Kimberley, Kaapvaal Craton
Wed-06	2b	Morales, Luiz F. G.; Till, Jessica; Rybacki, Erik	Morales, Luiz F. G.	Microstructural observations on oxide-rich gabbros from the Atlantis Bank oceanic core complex, Southwest Indian Ridge (ODP Hole 735B)
Wed-07	2b	Kurzawski, Robert M.; Stipp, Michael; Niemeijer, André R.; Charpentier, Delphine; Behrmann, Jan H.; Spiers, Chris J.	Stipp, Michael	Frictional behavior of sediments in the shallow subduction channel of the erosive active continental margin offshore Costa Rica
Wed-08	2d	Agarwal, Amar; Alva Valdivia, Luis Manuel; García-Amador, Bernardo	Agarwal, Amar	Paleomagnetism and tectonics from the late Pliocene to late Pleistocene in the Xalapa monogenetic volcanic field, Veracruz, Mexico
Wed-09	2d	Eberts, Andreas; Schaarschmidt, Anna; Bauer, Wolfgang; Stollhofen, Harald; de Wall, Helga	Eberts, Andreas	Morphotectonic analysis of basement and cover units in eastern Bavaria, SE Germany- insights into the deeper crustal architecture?
Wed-10	2d	Flesch, Rosa Johanna; Eisermann, Jan Oliver; Riller, Ulrich	Flesch, Rosa Johanna	Importance of convergence angles on the evolution of fault patterns in transpression zones inferred from analogue modeling
Wed-11	2d	Kettermann, Michael; von Hagke, Christoph; Winhausen, Lisa; Bücken, Daniel; Weismüller, Christopher; Urai, Janos L.	Kettermann, Michael	Massively dilatant faulting at divergent plate boundaries – a new model for faults in the upper crust at rift zones based on analogue models and field studies in Iceland
Wed-12	2d	M.Yosefnejad, Davood; J.Nagel, Thosten; Froitzheim, Nikolaus	M.Yosefnejad, Davood	Three-dimensional modelling of the Eastern Alps
Wed-13	2d	Martinet, Ina; Fassmer, Kathrin; Miladinova, Irena; Froitzheim, Nikolaus; Sprung, Peter; Fonseca, Raúl O.C.; Münker, Carsten	Martinet, Ina	Lu-Hf garnet geochronology of UHP-rocks: Investigations of the Tromsø Nappe (Northern Norway)
Wed-14	2d	Merz, Lena; Huseynova, Ayten; Babayev, Vugar; Babayev, Elbay; Hilgers, Christoph	Merz, Lena	MudRisk – a new tool for the detection of fluid pathways around mud volcanoes in Azerbaijan
Wed-15	2d	Schmitz, Benjamin Johannes; Biermanns, Peter; Pingel, Janis; Đaković, J.; Reicherter, Klaus; Ustaszewski, Kamil	Schmitz, Benjamin Johannes	Structural framework of the 1979 Mw 7.1 Montenegro earthquake
Wed-16	2d	Tomasek, Jan; Szameitat, Annika; René, Miloš; Dunkl, István; Kley, Jonas	Tomasek, Jan	Cenozoic Exhumation and Fault Activity of the Western Eger Rift, Czech Republic, from Low Temperature Thermochronology
Wed-17	2d	Weismüller, Christopher; Kettermann, Michael; von Hagke, Christoph; Urai, Janos L.; Reicherter, Klaus	Weismüller, Christopher	3D surface reconstruction and analysis of massively dilatant faults in Iceland
Wed-18	2d	Zhang, Yiqiong; Froitzheim, Nikolaus; Tsai, Chin-Ho; Ustaszewski, Kamil	Zhang, Yiqiong	The Yuli Belt in the eastern Taiwan fold-and-thrust belt: A Miocene accretionary prism separating Eurasian and Philippine Sea Plates
Wed-19	4a	Bellin, Franziska; Luguët, Ambre; Strack, Robin; Nowell, Geoff	Bellin, Franziska	The Highly Siderophile Elements and 187Os/188Os signatures of the French Massif Central mafic lavas.
Wed-20	4a	Van Acken, David; Luguët, Ambre; Montanini, Alessandra; Tribuzio, Riccardo; Daly, J. Stephen	Luguët, Ambre	Pyroxenites as tracers for melt-rock interaction and recycled material in the oceanic mantle
Wed-21	4a	Meides, Nora; van Acken, David; Luguët, Ambre; Montanini, Alessandra; Tribuzio, Riccardo	Meides, Nora	Highly siderophile elements and 187Os signatures in single grain Base Metal Sulfides of pyroxenites from the External Liguride Peridotite Massif, Italy
Wed-22	4a	Stuff, Maria; Schuessler, Jan A.; Rocholl, Alexander; Wilke, Max	Stuff, Maria	In-situ iron isotope analyses of olivine and magnetite grains in a melilitite bomb from the Salt Lake Crater

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Wed-24	4b	Bayarjargal, Lkhamsuren; Fruhner, Chris-Julian; Schrodt, Nadine; Winkler, Björn	Bayarjargal, Lkhamsuren	CaCO <sub>3</sub> phase diagram studied with Raman spectroscopy at pressures up to 50 GPa and high temperatures and DFT modeling
Wed-25	4b	Buchen, Johannes; Schulze, Kirsten; Kurnosov, Alexander; Boffa Ballaran, Tiziana; Speziale, Sergio; Kawazoe, Takaaki; Koch-Müller, Monika; Marquardt, Hauke	Buchen, Johannes	Tracing Water in the Transition Zone: From Single-Crystal Elasticity to Seismic Observables
Wed-26	4b	Duarte, Sílvia S.; Betts, Peter G.; Cruden, Alexander R.	Duarte, Sílvia S.	Subducting slabs interactions with stratified and stress-dependent viscosity mantle
Wed-27	4b	Nagel, Thorsten; Düsterhöft, Erik; Schiffer, Christian	Nagel, Thorsten	Why the mantle transition zone does not appear to be thinned at plume sites
Wed-28	4b	Satta, Niccolò; Marquardt, Hauke; Kurnosov, Alexander; Boffa-Ballaran, Tiziana; Buchen, Johannes; McCammon, Catherine; Kawazoe, Takaaki	Satta, Niccolò	Single-crystal elasticity of iron-bearing phase E by Brillouin spectroscopy and seismic detection of water in Earth's upper mantle
Wed-29	4b	Spiekermann, Georg; Wilke, Max; Petitgirard, Sylvain; Gilmore, Keith; Harder, Manuel; Sternemann, Christian	Wilke, Max	Determination of the structure of amorphous GeO <sub>2</sub> up to 100 GPa by X-ray emission spectroscopy
Wed-30	4c	Günther, Thomas; Woelki, Dominic; Storch, Bettina; Beier, Christoph; Haase, Karsten	Günther, Thomas	Evolution and genesis of calc-alkaline magmas at the Paphsanias Volcanic Field, Aegean Arc
Wed-31	4c	Sudo, Masafumi; Strecker, Manfred R.; Hahne, Kai; Riedl, Simon; Lopeyok, Tito; Mibei, Geofrey	Sudo, Masafumi	Tectono-magmatic evolution of Paka volcano, northern Kenya Rift: new insights from magma chemistry and systematic Ar/Ar dating
Wed-32	4c	van Gerve, Thomas Daniel; Neave, David; Namur, Olivier; Holtz, Francois; Almeev, Renat	van Gerve, Thomas Daniel	The Shatsky Rise volcanic plumbing system: magma transport dynamics and storage conditions recorded by a crystal mush.
Wed-33	5a	Gaus, Garri; Fink, Reinhard; Krooss, Bernhard Martin; Littke, Ralf	Gaus, Garri	Stress-dependence of the total gas storage capacity of carbonate shales
Wed-34	5a	Hbib, Nasser; Mansfeld, Arne; Nover, Georg	Hbib, Nasser	Porenraumparameter von Sandsteinen und spektrale induzierte Polarisation (SIP): Abhängigkeit des komplexen elektrischen Widerstands vom hydrostatischen Druck und chemischer Beeinflussung durch superkritisches CO <sub>2</sub> (scCO <sub>2</sub> )
Wed-35	5a	Kuhlmann, Gesa	Kuhlmann, Gesa	Understanding rock properties from basin to reservoir scale – Examples from eastern North German Basin
Wed-36	5a	Nover, Georg; Heikamp, Stephanie; von der Gönna, Jutta	Nover, Georg	Changes of petrophysical properties of sandstones due to interaction with supercritical carbon dioxide
Wed-37	5d	Berensmeier, Michaela; Dölling, Bettina; Frijia, Gianluca; Wilmsen, Markus	Berensmeier, Michaela	The proximal Late Cretaceous epicontinental shelf of northern Germany: a five-component depositional system
Wed-38	5d	Deik, Hanaa; Reuning, Lars; Petrick, Benjamin; Takayanagi, Hideko	Deik, Hanaa	Hardened faecal pellets as a significant component in deep water, subtropical marine environments
Wed-39	5d	Hallenberger, Maximilian; Reuning, Lars; Iwatani, Hokuto	Hallenberger, Maximilian	The influence of oceanography and climate as control on Quaternary carbonate sedimentation along the North West Shelf of Australia (NWS)
Wed-40	5d	Müller, Pierre; Patacci, Marco; Di Giulio, Andrea	Müller, Pierre	Axial hybrid event bed development in a pre-collisional low-efficiency turbidite system: the Bordighera Sandstones (NW Italy)
Wed-41	5d	Nokar, Kim Roya; Reuning, Lars; Back, Stefan; Meissner, Philipp; Kukla, Peter	Nokar, Kim Roya	Analysing the distribution of facies types within Zechstein carbonates of the North German Basin
Wed-42	5d	Thronberens, Sebastian; Back, Stefan; Reuning, Lars; Bourget, Julien	Thronberens, Sebastian	Miocene to Pliocene reef demise in the Browse Basin, NW Australia - A closer look on the transition to drift deposition.
Wed-43	5d	Wilmsen, Markus; Storm, Marisa; Fürsich, Franz Theodor; Majidifard, Mahmoud Reza; Schlagintweit, Felix; Hart, Malcolm	Wilmsen, Markus	The mid-Cretaceous Debarsu Formation (Upper Albian–Turonian, Khur area, Central Iran): depositional environment, correlation and inter-regional significance



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Wed-44	7a	Pollok, Kilian; Nayak, Prasant Kumar; Yang, Li-angtao; Langenhorst, Falko; Adelhelm, Philipp	Pollok, Kilian	Mineralogy meets Energy: Insights from TEM-EELS to Performance and Ageing of Mn and Fe based Layered Oxide Materials used as Battery Cathode Material
Wed-45	7a	Berns, Anne E.; Gottselig, Nina; Seckfort, Charlotte; Hezel, Dominik; Xing, Ying; Münker, Carsten; Amelung, Wulf; Bol, Roland; Wu, Bei	Berns, Anne E.	Iron reservoirs in a forested headwater catchment: stocks and isotopy
Wed-46	7a	Braun, Anika; Tomaschek, Frank; Lagos, Markus; Geisler, Thorsten	Braun, Anika	U-Pb dating of hydrothermal vein agate using LA-ICP-MS
Wed-47	7a	Fusswinkel, Tobias; Giehl, Christopher; Beermann, Oliver; Fredriksson, Johan Rafael; Garbe-Schönberg, Dieter; Scholten, Lea; Wagner, Thomas	Fusswinkel, Tobias	LA-ICP-MS microanalysis of iodine, bromine and chlorine in fluid inclusions
Wed-48	7a	Kommescher, Sebastian; Fonseca, Raúl O. C.; Thiemens, Maxwell M.; Münker, Carsten; Sprung, Peter	Kommescher, Sebastian	Ti investigations of the Earth and Moon
Wed-49	7a	Nordstad, Simon; Garbe-Schönberg, Dieter; Müller, Samuel; Wittke, Christina	Müller, Samuel	New micro-analytical reference materials
Wed-50	7a	Öz, Deniz; Tomaschek, Frank; Lagos, Markus; Werner, Ronald; Geisler, Thorsten	Öz, Deniz	Titanite U – Pb geochronology of the Evje-Iveland Pegmatite Field, Norway
Wed-51	7a	Funk, Claudia; Wombacher, Frank; Frick, Daniel A.; Meisel, Thomas; Heuser, Alexander; Kronz, Andreas; Günther, Detlef	Wombacher, Frank	A Chondrite Analogue Nanoparticle Calibration Material for LA-ICP-MS
Wed-52	8b	Eroglu, Sümeyya; Scholz, Florian; Siebert, Christopher; Salvatucci, Renato; Schneider, Ralph; Frank, Martin	Eroglu, Sümeyya	Reconstruction of paleo-redox conditions in particle rain vs. diffusion dominated settings in Pacific Oxygen Minimum Zones
Wed-53	8b	Zhuravleva, Anastasia; Bauch, Henning	Zhuravleva, Anastasia	Climatic links between the subarctic and subtropical North Atlantic during the last interglacial (MIS 5e)
Wed-54	8c	Perić, Zoran M.; Marković, Slobodan B.; Gavrilov, Milivoj B.; Ranković, Miloš; Baykal, Yunus; Schulte, Philipp; Hambach, Ulrich; Lehmkuhl, Frank	Perić, Zoran M.	Loess-paleosol sequences in north-eastern Serbia: a link between the Carpathian Basin and the Balkan paleoenvironment
Wed-55	9c	Alles, Jonas; Lehmann, Bernd; Liessmann, Wilfried; Schirmer, Thomas	Alles, Jonas	Distribution and composition of REE minerals in polymetallic vein systems of the Harz Mountains, Germany
Wed-56	9c	Schier, Katharina; Bau, Michael; Kuhn, Thomas; Schmidt, Katja	Bau, Michael	Ga-Al systematics of marine ferromanganese crusts and nodules reveal significant fractionation processes in aquatic environments
Wed-57	9c	Krolop, Patrick; Burisch, Mathias; Richter, Lisa; Fritzke, Björn; Seifert, Thomas	Burisch, Mathias	CO <sub>2</sub> -fluxing, cooling and fluid mixing as ore-forming mechanisms in antimoniferous vein-type mineralization of the Berga Antiform, Eastern-Thuringia, Germany
Wed-58	9c	Franke, Henrike; Kallmeier, Enrico; Legler, Claus; Graupner, Torsten; Schwarz-Schampera, Ulrich; Pursche, Katja	Franke, Henrike	Petrogenetic investigations of sulfides from polymetallic skarn-type occurrences in the Ehrenfriedersdorf deposit, Germany: Coupled substitution processes of copper-indium in sphalerite
Wed-59	9c	Henning, Sören; Werner, Wolfgang; Graupner, Torsten	Henning, Sören	Germanium, gallium and indium concentration and distribution in sulfides of hydrothermal veins from the Black Forest ore district
Wed-60	9c	Henning, Sören; Birkenfeld, Sven; Franke, Henrike; Graupner, Torsten; Nawothnig, Bernd; Pursche, Katja	Henning, Sören	Influence of ore deposit type and regional geology on high tech trace element characteristics of Germany's base metal ore districts – A new database on critical metals
Wed-61	9c	Jeske, Tilman; Seifert, Thomas	Jeske, Tilman	Contributions to the mineralization of the Pöhla-Hämmerlein deposit, W-Erzgebirge, Germany: Late-stage Sn-polymetallic overprinting of the Hämmerlein skarn zone, W-Erzgebirge, Germany
Wed-62	9c	Miehlbradt, Martin; Seifert, Thomas; Jeske, Tilman; Burisch, Mathias; Hiller, Axel	Burisch, Mathias	Mineralogy, geochemistry and fluid inclusion analyses of schist-hosted cassiterite-quartz-tourmaline-fluorite-sulfide veins of the Sn-In-polymetallic Hämmerlein project, Erzgebirge (Germany)

# List of posters

No.	Session	Authors	Presenter	Title
Wed-63	9c	Schaefer, Stefan; Seifert, Thomas; Barth, Andreas; Kallmeier, Enrico; Petermann, Tobias	Petermann, Tobias	Contribution to the mineralogy and geochemistry of polymetallic vein-type mineralization in the western part of the Freiberg district (Erzgebirge, Germany)
Wed-64	9c	Dittrich, Thomas; Seifert, Thomas; Schulz, Bernhard; Hagemann, Steffen; Gerdes, Axel; Pfänder, Jörg A.	Schulz, Bernhard	Lithium-Cesium-Tantalum pegmatites in Zimbabwe and Western Australia, and the formation of Neo-Archean massive (Cs)-pollucite mineralisation
Wed-65	9c	Eiche, Elisabeth; Slunitschek, Klemens; Patten, Clifford; Kolb, Jochen	Slunitschek, Klemens	What can we learn from mineral scalings in geothermal power plants?
Wed-66	9c	Tandon, Kai; Heuss-Aßbichler, Soraya	Tandon, Kai	Stability of the zinc sulphate hydroxides Gordaite, Bechererite and Namuwite: Phase relations and its applicability for recovery of metals from MSWI fly ashes
Wed-67	10b	Reich, Mike; Stegemann, Tanja R.; Hausmann, Imelda M.; Roden, Vanessa J.; Nützel, Alexander	Reich, Mike	A first Palaeozoic-type echinoderm group representative from the Mesozoic
Wed-68	10b	Samathi, Adun	Samathi, Adun	Biodiversity of non-maniraptoran theropod dinosaurs during the Mesozoic in Asia
Wed-69	10b	Schulz, Maria; Schneider, Jörg W.; Rößler, Ronny	Schulz, Maria	Permian laminites – a key for palaeoenvironmental reconstruction
Wed-70	10d	Abel, Pascal; Sachs, Sven; Young, Mark T.	Abel, Pascal	Thalattosuchian remains from the late Aalenian Eisensandstein Formation of Baden-Württemberg, southwestern Germany
Wed-71	10d	Kogan, Ilja; Wintrich, Tanja	Kogan, Ilja	Vertebral ossifications in fishes – key to the evolution of vertebral centra in amniotes?
Wed-72	10d	Sartorelli, Heitor; Sander, Paul Martin	Sartorelli, Heitor	A new Taphonomic Model for Brazilian Mesosaurs
Wed-73	10d	Wild, Anika; Wintrich, Tanja; Sander, Paul Martin	Wild, Anika	Pachystropeus rhaeticus: Osteological description of vertebrae from the Rhaetian of Bonenburg (Westphalia, Germany) and assignment to the Choristodera
Wed-74	10h	Kizner Zamudio, Anna Lena Heika; Schwermann, Achim; Bertling, Markus	Kizner, Zamudio Anna Lena Heika	Possible Crocodylian teeth from the lower Cretaceous of North Rhine Westfalia
Wed-75	10h	Lautenschlager, Stephan	Lautenschlager, Stephan	Morphological convergence and functional diversification of sabre-toothed vertebrates
Wed-76	10h	van Heteren, Anneke H.; Arlegi, Mikel; Santos, Elena; Arsuaga, Juan-Luis; Gómez-Olivencia, Asier	van Heteren, Anneke H.	Cranial and mandibular morphology of Middle Pleistocene cave bears (Ursus deningeri): implications for diet and evolution
Wed-77	10h	Harrison, George William	Harrison, George William	Dietary Variation between Adult and Juvenile Cave Bears
Wed-78	10i	Knaus, Philipp Ludwig; Gossmann, Rolf	Knaus, Philipp Ludwig	Exceptional preservation, preparation, and documentation: Pinus timleri seed cones from the Rhenish brown coal as an example of the scientific potential of a new collection at the Steinmann Institute
Wed-79	10i	Malekhosseini, Mahdiah; Rust, Jest; Wappler, Torsten	Malekhosseini, Mahdiah	An evolutionary pattern of plant-insect interactions on Persian ironwood, Parrotia persica, over the last three 3 million years (Pliocene and Pleistocene) in the Hyrcanian mixed forests, Iran
Wed-80	10i	Niebuhr, Birgit	Niebuhr, Birgit	From animal to plant kingdom: Siphonia bovista Geinitz, an alleged sponge from the Cretaceous of Saxony (Germany), in fact represents inner moulds of the cone-like plant fossil Dammarites albens Presl in Sternberg, 1838
Wed-81	11a	Fischer, Jan; Kogan, Ilja; Voigt, Sebastian; Buchwitz, Michael; Schneider, Jörg W.; Moisan, Philippe; Spindler, Frederik; Brosig, Andreas; Preusse, Marvin; Scholze, Frank; Linnemann, Ulf	Fischer, Jan	The Triassic inland lake basin of Madygen (Kyrgyzstan, Central Asia)
Wed-82	11a	Hartenfels, Sven; Becker, Ralph Thomas	Hartenfels, Sven	Borkeweher near Wocklum (northern Rhenish Massif, Germany), a possible future Devonian/Carboniferous boundary GSSP section
Wed-83	11a	Haug, Gideon; Haug, Carolin; Haug, Joachim	Haug, Carolin	How similar is similar – mayfly larval morphology appears 'old', but is it?

