

Wednesday, September 27th

	HS 2010	HS 1010	GW2 B2880	GW2 B2890	GW2 B2900	SFG 1010	SFG 1040	SFG 2010	SFG 2040
09:00 - 10:30	5.2 Tropical coral archives – Reconstructions of climate and environment beyond the instrumental record at society-relevant timescales Felis, T., Pfeiffer, M., Zinke, J.	4.3 Reactions at mineral-water interfaces in the Earth Sciences: theory and experiment Wolthers, M., Hövelmann, J., Fischer, C.	2.3 Processes in layered mafic magma chambers and formation of associated ore deposits Namur, O., Faak, K., Trumbull, R., Veksler, I.	1.1 Geohazards in time and space Terhorst, B., Vött, A., Zimanowski, B.	1.4 From rifts to passive continental margins: mantle-, and lithosphere-basin dynamics, and long-term landscape evolution Glasmacher, U. A., Scheck-Wenderoth, M., Bunge, H.-P., Kukla, P.	6.1 Cosmochemistry / planetology / asteroidal processes Hezel, D., Burkhardt, C.	9.1 Archaeometry and monument conservation Bente, K., Berthold, C., Greiff, S.	2.2 Intraplate volcanoes: evolution, processes and hazards Breitkreuz, C., Klügel, A., Walter, T.	5.1 The last deglaciation Sarnthein, M., Kuhnt, W.
09:00	Introduction to the session on 'Tropical coral archives' Felis, T., Pfeiffer, M., Zinke, J.	Crystals and Equilibrium – New Insight on an "Old" Topic Luttge, A., Fischer, C., Arvidson, R.S.	Keynote: A micro-structural perspective on the role of compaction in the formation of the Skaergaard and the Bushveld accumulates Vukmanovic, Z., Holness, M.	Pyroclast-forming Submarine Volcanism: Mechanisms and Hazard Potential Zimanowski, B., Büttner, R.F., White, J.D., Gudmundsson, M.T.	Keynote: Stratigraphic framework for the plume mode of mantle convection Friedrich, A.M.	Mixing and transport of solids in the circumsolar disk as inferred from Ti isotope anomalies in planetary materials Burkhardt, C., Gerber, S., Budde, G., Metzler, K., Kleine, T.	Keynote: "Non-invasive" portable laser ablation sampling of art and archaeological materials with subsequent trace element and multi-isotope analyses. Knaf, A.C., Koornneef, J.M., Davies, G.R.	Age relations, mineral-chemical and isotopic investigations on basaltic gemstone zircons from Eastern Germany Büchner, J., Tietz, O., Viereck, L., Gerdas, A., Linnemann, U.	Sediment features across the grounding zone and beneath Ekström Ice Shelf, East Antarctica, imaged using on-ice vibroseis Smith, E., Drews, R., Ehlers, T., Franke, D., Gaedicke, C., Hofstede, C., Kuhn, G., Lambrecht, A., Mayer, C., Tiedemann, R., Eisen, O.
09:15	Constraining 20th Century Pacific Trade-Wind Variability Using Coral Mn/Ca: The First Wide-Scale Application of a Novel Wind Proxy Sayani, H., Thompson, D., Carilli, J., Cobb, K.	Maps of rate, rate acceleration, and rate jerk reveal the dynamics of crystal dissolution Fischer, C., Luttge, A.		Lahar hazard at Colima volcano caused the 2015 Hurricane Patricia investigated by repeated drone surveys and time lapse cameras Walter, T.		Mineralogical Chondrite Zonation in Ordinary Chondrites Barosch, J., Hezel, D.		Mineral textures in ignimbrites of the Quaternary Aragats stratovolcano, western Armenia: Implication for magma chamber dynamics Gevorgyan, H., Repstock, A., Schulz, B., Meliksetian, K., Breitkreuz, C., Israyelyan, A.	Long-term vegetation, climate and ocean dynamics inferred from a 73,500 years old marine sediment core (GeoB2107-3) off southern Brazil Gu, F., Zonneveld, K., Chiessi, C., Arz, H., Pätzold, J., Behling, H.
09:30	Frequency of extreme daily temperatures (HadEX2) over Eurasia documented in a northern Red Sea coral oxygen isotope record during the last century Ionita, M., Felis, T., Rambu, N., Lohmann, G.	Keynote: Ion adsorption at mineral-water interfaces under extreme pH conditions Fernandez-Martinez, A., Ma, B., Carrero, S., Perez-Lopez, R., Nieto, J.M., Charlet, L., Poulain, A.	Orthopyroxene oikocrysts in the MG1 chromitite layer of the Bushveld Complex: Implications on cumulate formation and recrystallisation Kaufmann, F., Vukmanovic, Z., Holness, M., Hecht, L.	Combining surface and subsurface analyses for the reconstruction of landslide dynamics Wilde, M., Terhorst, B., Rodríguez Elizarrarás, S.R., Morales Barrera, W.V., Schwindt, D., Bücker, M., Flores Orozco, A., Pita de la Paz, C., García García, E.	Keynote: Impacts of the Icelandic Plume on the North Atlantic Geological Record Hoggard, M., Parnell-Turner, R., White, N.	Using the ChondriteDB database to determine the number of parental reservoirs for chondrites of individual chondrites. Hezel, D.	Diffusion-induced copper isotope fractionation in copper metal: Implications for archaeometallurgical research Rose, T., Morgenstern, G., Stelter, M., Klein, S.	The Early Permian Wurzen Caldera of northern Saxony, Germany: Deciphering the pre-eruptive evolution and dynamics in the magma reservoir of a super volcano Repstock, A., Breitkreuz, C., Schulz, B., Romer, R.L.	Inter-species planktonic 14C offsets driven by changes in abundance over the last deglaciation Roberts, J., Lamy, F., Mackensen, A., Sarnthein, M., Southon, J., Tiedemann, R.
09:45	Earthquake and tsunami archives in coral growth parameters and geochemical records Ito, S., Yamazaki, A., Yano, M., Watanabe, T.K., Putra, T.E., Nishimura, Y., Watanabe, T.		Stratigraphy and mineralogy of platinum-group elements within the Jurassic layered mafic Dufek Intrusion, Antarctica Hanemann, R., Viereck, L.	Data acquisition methods for landslide proxies. Kreuzer, T., Damm, B.		Structural evidence for long-term crater modification of the Sudbury Impact Structure, Canada Shibistova, A., Riller, U.	XRD on bioapatites concerning archaeological questions Hölzig, H., Münster, T., Kloess, G.	Late Paleozoic supereruptions in Central Europe: Anatomy of the Rochlitz caldera in northern Saxony Breitkreuz, C., Hübner, M., Repstock, A.	A contribution to the understanding of long-term ecology and dynamics of the mangrove forests in Jambi, Sumatra, Indonesia Setyaningsih, C., Biagioni, S., Saad, A., Kashima, K., Behling, H.
10:00	A high-precision gamma densitometer for quantifying skeletal density in coral skeletons: physical background and first results Gischler, E., Deveaux, M., Wiebusch, M., Erkoc, M.	A mechanistic model of carbonate dissolution in the presence of electrolytes Kurganskaya, I., Luttge, A., Churakov, S.V.	Platinum-group elements and platinum-group minerals in the weathered chromitites of the Lower and Middle Group chromitites of the Bushveld Complex Junge, M., Bachmann, K., Kotzé, E., Oeser-Rabe, M.	Statistical landslide susceptibility assessment in zones of rapid urban development: case study Lanzhou city Torizin, J., Wang, L., Fuchs, M., Tong, B., Balzer, D., Wan, L., Kuhn, D., Li, A., Chen, L.	Mantle convection models constrain central Neo-Tethys Ocean reconstructions Nerlich, R., Colli, L., Ghelichkhan, S., Schuberth, B., Bunge, H.-P.	Microstructural analysis of the thermal aureole of the Sudbury impact melt sheet, Canada: Implications for the formation of the Footwall Breccia Göllner, P., Wüstemann, T., Riller, U.	The mechanical properties of heat-treated silica rocks Schmidt, P., Buck, G., Berthold, C., Nickel, K.	Eruption at Fogo volcano, 2014-2015, crustal deformation and surface changes as observed by photogrammetry and InSAR Walter, T.	The Antarctic Cold Reversal and deglacial onset of the Australian Monsoon Kuhnt, W., Holbourn, A., Xu, J., Opydyke, B., De Deckker, P., Röhl, U., Mudelsee, M., Schröder, J.F., Sarnthein, M., Sonne-257 Shipboard Scientific Party
10:15	Exploring the influence of climate variability on nitrogen cycling in the Pacific Ocean from coral stable nitrogen isotopes records: preliminary results Duprey, N., Martinez-Garcia, A., Sanchez, S., Corregge, T., Carriquiry, J., Charles, C., Haug, G.	Atomistic Simulations of Water Confined in Hydroxyapatite Nanopores Di Tommaso, D., Prakash, M., Lemaire, T., Lewerenz, M., de Leeuw, N., Naili, S.	Vanadium distribution in the Upper Zone of the Bushveld Complex: Constraints on fO₂ Fischer, L.A., Horn, I., Holtz, F., Charlier, B.	Case histories for post-construction landslides – examples from the Mittelland Canal (Germany) Wohlers, A., Damm, B.	Retrodictions of Mid Paleogene mantle flow and dynamic topography in the Atlantic region from compressible high resolution adjoint mantle convection models: Sensitivity to deep mantle viscosity and tomographic input model Colli, L., Ghelichkhan, S., Bunge, H.-P., Oeser, J.		Magnetic prospecting and magnetic characteristics of semi-terrestrial floodplain sediments Stele, A.	Magma plumbing during the 2014-2015 eruption of Fogo (Cape Verde Islands) Klügel, A., Schmid, M., Day, S., Faria, B.	
10:30	Coffee break								

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10:45 - 12:15	5.2 Tropical coral archives – Reconstructions of climate and environment beyond the instrumental record at society-relevant timescales Felis, T., Pfeiffer, M., Zinke, J.	4.3 Reactions at mineral-water interfaces in the Earth Sciences: theory and experiment Wolthers, M., Hövelmann, J., Fischer, C.	1.2 Archives of Quaternary climatic and environmental changes Sauer, D., Sprafke, T., Brauer, A.	7.5 From source to sink: Environmental signal propagation into the stratigraphic record Wittmann-Oelze, H., Bernhardt, A.	1.4 From rifts to passive continental margins: mantle-, and lithosphere-basin dynamics, and long-term landscape evolution Glasmacher, U. A., Scheck-Wenderoth, M., Bunge, H.-P., Kukla, P.	8.4 Spectroscopic 2D-methods: Multiscale imaging spectroscopy Rammlmair, D., Frei, M.	2.6 High-resolution geochronology and isotope tracing of high-temperature geological processes Schwarz, W., Wotzlaw, J.-F., Weyer, S.	6.4 Precambrian biotic and environmental (co-)evolution Nettersheim, B., Leider, A., Hallmann, C.	2.5 Subduction zone magmatism and crustal evolution Wörner, G., Haase, K.
10:45	Change in nitrogen fixation derived from Caribbean coral skeletons Yamazaki, A., Hetzinger, S., von Reumont, J., Manfrino, C., Tsunogai, U., Sano, Y., Watanabe, T.	Temperature Effect on Arsenate Sorption at Goethite Ebert, M., Lüders, K., Köber, R.	Keynote: Southern Hemispheric Westerlies: reconstructing their intensity and position based on multiproxy investigations of sediments from Laguna Azul (Southern Patagonia, Argentina) Zolitschka, B., Fey, M., Janssen, S., Maidana, N., Mayr, C., Wulf, S., Habertz, T., Corbella, H., Lücke, A., Ohlendorf, C., Schäbitz, F.	Keynote: Environmental signal propagation into the stratigraphic record of small mountainous rivers feeding submarine canyon-fan systems, southern California Covault, J., Romans, B., Sharman, G., Stockli, D., Fildani, A.	On the observability of epeirogenic movement in current and future gravity missions Ghelichkhan, S., Murböck, M., Colli, L., Pail, R., Bunge, H.-P.	New perspectives for mineral exploration at the meso-scale Rammlmair, D., Schodlok, M., Meima, J., Nikonow, W., Berk, K.	Keynote: Pb-loss in apatite and high temperature (>350°C) U-Pb thermochronology Spikings, R., Paul, A., Popov, D.	The Archean continental crust as a location for the origin of life Schreiber, U., Mayer, C., Bronja, A., Schmitz, O.J.	Mélange formation at the slab-mantle interface as a key process in the generation of arc magmas: geochemical evidence Marschall, H., Nielsen, S.
11:00	A Coral Ensemble Approach to Reconstructing Central Pacific Climate Change During the Mid-Holocene Atwood, A.R., Cobb, K.M., Grothe, P.M., Sayani, H.R., Southon, J.R., Edwards, R.L., Deocampo, D.M., Chen, T., Hitt, N.T., Chiang, J.C.H.	Fractionation of Fe and Cu isotopes in acidic mine tailings: modification and application of a sequential extraction method Roebbert, Y., Rabe, K., Lazarov, M., Schippers, A., Dold, B., Weyer, S.			Geodynamics of passive margins: insights from the DFG Schwerpunktprogramm SAMPLE for the South Atlantic and beyond Bunge, H.-P.	Multi-scale imaging spectroscopy for mineral mapping on selected diamond drill core of the REE bearing Carbonate Storkwitz, Saxony Schodlok, M., Iwan, L., Meima, J., Goericke, D., Rammlmair, D.		Evolution of peptides in the continental crust Mayer, C., Schreiber, U., Dávila, M., Bronja, A., Schmitz, O.	The budget of High Field Strength Elements in IBM forearc boninites and tholeiites, IODP Exp. 352 Wagner, J.L., Kirchenbaur, M., Münker, C., Sprung, P., Marien, C.S.
11:15	Temperature proxies in Holocene corals and their differential susceptibility to early diagenesis: A case study on SST records from French Polynesia Rashid, R., Eisenhauer, A., Liebetrau, V., Fietzke, J., Böhm, F., Wall, M., Krause, S., Schmidt, M., Rüggeberg, A., Goos, M., Dullo, W.-C.	The Herbicide MCPA is Enhancing Mobility of Copper in Soil Kersten, M.	Continuous ice surface lowering during the last glacial cycle, Fitz Roy Massif, Argentina Geiger, A.J., Fabel, D., Glasser, N.	Latitudinal variation (15°-23°S) in denudation along the Western Andean Margin (Peru and Chile): Insights from cosmogenic ¹⁰Be. Starke, J., Ehlers, T.A., Schaller, M.	Post-breakup burial and exhumation of passive continental margins: Seven propositions to inform geodynamic models Japsen, P., Green, P.F., Chalmers, J.A., Bonow, J.M., Duddy, I.	Hyperspectral Imaging Analysis for Mineral Exploration in the Iberian Pyrite Belt, Spain Papenfuß, A., Frei, M., Schodlok, M.	Electron microprobe Th-U-Pb monazite dating of Devonian metamorphism in Münchberg and Frankenberg allochthonous units in the Saxothuringian Zone Schulz, B., Krause, J., Schüssler, U.	Archean terrestrial environments in the rock record of the Moodies Group (~3.22 Ga) Heubeck, C.	Evaluation of highly siderophile elements and stable Fe and V isotope systematics of ultra-mafic lavas from the complex Solomon Islands subduction zone, SW Pacific Schuth, S., Luguet, A., Brüggemann, G., Ballhaus, C., Weyer, S., Münker, C.
11:30	Last interglacial sea levels and regional tectonics from fossil coral reefs at the Gulf of Aqaba Stein, M., Bar, N., Yehudai, M., Shaked, Y., Agnon, A., Lazar, B.	Radiotracer exchange studies for gaining direct insight into the equilibrium characteristics of elementary processes determining humic-bound metal transport Lippold, H.	High-altitude peatlands of the central Andes as sentinels of Holocene environmental changes Schitteck, K., Kock, S., Hense, J., Mächtle, B.	In situ and meteoric cosmogenic nuclides in large lowland basins- Concepts, similarities, and implications for sediment routing Wittmann, H., von Blanckenburg, F., Haedke, H.	Thermochronological constraints on the Cambrian to recent geological evolution of the Argentine and Uruguayan passive continental margin Glasmacher, U., Krob, F., Rosello, E.A., Gauder, C., Stockli, D.F., Pereyra, R.E.	Comparison of classification and quantification methods for μ-EDXRF, hyperspectral imaging and LIBS core scanning in a case study for drillcores from Bad Grund / Germany Hornschn, M., Meima, J., Altenberger, U., Rammlmair, D.	Petrology and geochronology of mylonitic high-pressure granulites from the Variscan Schwarzwald (SW Germany) Angeleva, M., Hanel, M., Soder, C., Schmitt, A.K., Altherr, R., Schwarz, W.	Local and regional controls on the maturation state of carbonaceous matter in the Barberton Greenstone Belt Nabhan, S., Köhler, I., Heubeck, C.	Tonalite melts from mafic oceanic crust on Fiji: Analogues for Archean crustal growth? Marien, C.S., Drewes, E., Hoffmann, J.E., Gill, J.B., Münker, C.
11:45	A 75-Year Long Absolute SST Reconstruction Reveals Last Interglacial Variability in the Tropical Atlantic Warm Pool: Comparison of Model and Coral-Based Reconstructions DeLong, K., Ouellette, G., Goodkin, N., Martin, E., Rosenthal, D., Taylor, F., Shen, C.-C.	Reactive transport modeling to quantify anhydrite dissolution and gypsum precipitation in clay-sulfate rocks Schweizer, D., Prommer, H., Blum, P., Siade, A.J., Butscher, C.	Reconstruction of the deglaciation history in the Fremont Lake-Titcomb basin, Wind River Range, Wyoming, using ¹⁰Be exposure dating Dühnforth, M., Anderson, R.S.	Cosmogenic nuclide-derived denudation signals from global large river basins Haedke, H., Wittmann, H., von Blanckenburg, F.	The Paleocene-Eocene evolution of the onshore margin southeast Brazilian using Apatite Fission Track and (U-Th)/He ages Hackspacher, P.	Geochemical and mineralogical mapping of tailing samples with energy dispersive X-ray fluorescence (EDXRF) and automated image analysis compared to Raman analysis Berkh, K., Rammlmair, D.	Calibration of suitable garnet reference materials for in situ lithium isotope analyses Binck, J., Marschall, H., Seitz, H.-M., Ludwig, T., Höfer, H.	Looking for Archean cellular life: natural vs. experimental approaches Rouillard, J., Gong, J., Muñoz Saez, C., Garcia-Ruiz, J.-M., van Zuilen, M.	The behaviour of Sn and In during mantle melting and crust formation Kirchenbaur, M., Braggani, A., Sprung, P., Harak, M., Münker, C.
12:00	Last interglacial temperature and hydroclimate seasonality reconstructed from tropical Atlantic corals Brocas, W.M., Felis, T., Gierz, P., Lohmann, G., Werner, M., Obert, J.C., Scholz, D., Kölling, M., Scheffers, S.R.	Simulations of Reactive Transport in Porous Media: Dealing with Heterogeneities and Examples From Geo-Science Prill, T., Iliev, O., Enzmann, F., Kersten, M.	3D microfabric analysis of progressive, polyphase subglacial deformation beneath the late Weichselian Baltic Ice Stream (Scandinavian Ice Sheet, Europe) Hüneke, H., Brumme, J., Phillips, E.	A probabilistic model to quantify sediment mixing across alluvial landforms with aggradation-incision cycles. Malatesta, L., Avouac, J.-P., Berger, Q., Breitenbach, S., Brown, N.	New insights on the Neoproterozoic to recent geological evolution of the continental margin of Southeastern Brazil derived from zircon and apatite (U-Th-Sm)/He and fission-track data Krob, F., Stippich, C., Glasmacher, U., Hackspacher, P.	Modal mineralogy of plutonic rocks determined by energy dispersive X-ray fluorescence mapping compared to Mineral Liberation Analyser Nikonow, W., Rammlmair, D.	Tracking nitrogen transfer through the Earth's crustal reservoirs Halama, R., Bebout, G.	Declining importance of high-temperature hydrothermal fluid input into shallow Transvaal seawater prior to the GOE Schier, K., Bau, M., Münker, C., Beukes, N., Viehmann, S.	Basement rocks of the Magallanes foreland basin, Tierra del Fuego; constraints from zircon Lu-Hf and O isotopes, and REE data Castillo, P., Fanning, M., Pankhurst, R.J., Hervé, F., Rapela, C.W.
12:15	Coffee break								
12:30	Awards								
13:00	Lunch								

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14:00	Tropical to temperate coral archives around Japan Watanabe, T., Yamazaki, A.	Dolomite surface rate variability under acidic-aqueous conditions Bibi, L., Arvidson, R., Fischer, C., Niazi, N.K., Lüttge, A.	Advancing mass spectrometry imaging of sediments: molecular stratigraphy with sub-mm resolution. Wörner, L., Hinrichs, K.-U., ZOOMECULAR team	Reactive versus Buffered Sediment Routing Systems: The Paleogene Record in the Greater Gulf of Mexico Basin Snedden, J., Blum, M.	Evolution of structures, pressure and temperature in the footwall of large scale overthrusts – Oman's passive continental margin during obduction orogeny Grobe, A., von Hagke, C., Littke, R., Urai, J.L.			The evolution of Earth's biogeochemical nitrogen cycle Buick, R., Stueeken, E., Kipp, M., Koehler, M.	Crystallisation conditions of fore-arc basalts from the Izu-Bonin-Mariana island arc: experimental constraints Linsler, S.A., Almeev, R.R., Holtz, F., Botcharnikov, R.E., Portnyagin, M.V.
14:15	Relict coral reefs in the Mediterranean Sea: a story of adaptation, survival and decline over geological and human timescales Kersting, D., Linares, C.	Modelling approaches to identify sources of dissolution rate variability on multiple scales Kurganskaya, I., Fischer, C., Luttge, A., Churakov, S.V.	Effect of different sediment components on the detectability of lipid biomarkers via spatially resolved, laser-based mass spectrometry Wu, T., Wang, J.-X., Wendt, J., Wörner, L.-P., Hinrichs, K.-U.	Hierarchy of source-to-sink systems – Example from the Nile distribution across the eastern Mediterranean Schattner, U.	Role of the Inherited Wadi Ghoweiba Oblique Half-Graben on the Gulf of Suez Rift Development, Egypt Abdelkhalek, A., Sehim, A., Hammad, M.S., Ivanković, J.			Reconstruction of the Neoproterozoic Urucum habitat in the fate of severe glaciogenic epochs Viehmann, S., Bau, M., Bühn, B., Danters, E.L., Andrade, F.R., Walde, D.	Back-arc magmatism of the southern Okinawa Trough Hsu, S.-K., Chen, S.-C., Yeh, Y.-C., Tsai, C.-H.
14:30	Offline Data Assimilation of Pseudo-observations into a Regional Climate Model Fallah, B., Cubasch, U.	On the easiness of growth of the dolomite-analogue mineral norsethite Lindner, M., Saldi, G.D., Jordan, G., Schott, J.	The isotopic dance of the Monsoon/Environment couple in a Holocene speleothem from Vietnam Hartmann, A., Eiche, E., Neumann, T., Schröder-Ritzrau, A., Riechelmann, D., Mertz-Kraus, R., Scholz, D.	A newly identified Sediment Sink for the Ems Estuary based on Persistent Scatterer Interferometry (PSI) Lege, T., Kalia, A.C., Adam, N.	Timing and spatial patterns of Cretaceous and Cenozoic inversion in the Southern Permian Basin Kley, J.			Extreme heterotrophy after the Neoproterozoic Snowball Earth glaciations van Maldegem, L., Sansjofre, P., Weijers, J., Wolkenstein, K., Strother, P., Wormer, L., Elvert, M., Hefter, J., Hallmann, C.	Lithospheric evolution at the Early Andean convergent margin, Chile Oliveros, V., Creixell, C., Vasquez, P., Lucassen, F., Gonzalez, J., Espinoza, M.
14:45	Monitoring and assisting coral reefs in the Anthropocene Leinfelder, R.	Face-specific replacement of calcite by amorphous silica creates natural photonic crystals Liesegang, M., Milke, R.	Sr-isotopic signatures in modern and Holocene catfish otoliths and bivalve shells along the NW African coast - Potential proxies for freshwater discharge Höpker, S., Müller, P., Wu, H.C., Barusseau, J.-P., Vernet, R., Sadio, O., Mann, T., Lucassen, F., Kasemann, S., Westphal, H.	Climate-tectonic interaction at the Southern Alaska continental margin: insights from a single grain provenance approach Huber, B., Bahlburg, H., Berndt, J., Dunkl, I., Gerdes, A., Pfänder, J.A.	Influence of mechanical stratigraphy and fault kinematics on the development of massively dilatant faults – insights from scaled physical models and outcrop data from Iceland Kettermann, M., Weismüller, C., von Hagke, C., Bücken, D., Bitsch, N., Urai, J.L., Reicherter, K.			Biomarker taphonomy and terrestrial organic matter fluxes in mid-Neoproterozoic rocks Neumann, M., Sansjofre, P., Moczyłowska-Vidal, M., Hallmann, C.	Igimbrite magmatism related to the Central Andean subduction zone through space and time: compositions, magma production rates and net crustal growth Wörner, G., Brandmeier, M., Freymuth, H.
15:00		Slow reaction of mackinawite in aqueous solutions: A Mössbauer study McCammon, C., Wan, M., Peiffer, S.	Nd, Pb, and Sr isotope composition of organic materials, guano and fishmeal, from upwelling waters off Chile and Peru Lucassen, F., Kasemann, S.A., Wilke, H.-G., Vásquez, P., Sepúlveda, F.	Up-stratigraphic provenance variations of Palaeozoic siliciclastic rocks from the Ellsworth Mountains in West Antarctica, as determined by detrital zircon geochronology Castillo, P., Fanning, M., Fernandez, R., Poblete, F., Hervé, F.					Volcano-tectonics at the northern terminus of the Liquine-Ofqui Fault Zone, Southern Volcanic Zone, Argentina Riller, U., Petrinovic, I., Balbis, C., Pitzke, E., Strauer, M., Eiseremann, J.O.
15:15		Surface alteration in the transition zone between soil and bedrock Aehnelt, M., Ritschel, T., Totsche, K.U.	Quantifying shale weathering by Li isotopes Steinhöfel, G., Brantley, S.L., Fantle, M.S., Steinhöfel, G.						Electrical conductivity of aqueous HCl solutions at elevated temperature and pressure from impedance measurements in HDAC experiments Klumbach, S., Kepler, H.