

## TAGUNGSPROGRAMM PANGEO 2018, Wien

**23.9.2018** 08:30 Exkursion I: Semmering-Basistunnel (L. Weber). Treffpunkt UZAll, Althanstrasse 14  
 08:30 Exkursion II: Vom Grundgebirge bis zum Löss: Geologische Highlights der Wachau (B. Grasemann, T. Sprafke & M. Heinrich). Treffpunkt UZAll, Althanstrasse 14

17:00-19:00 Registrierung am Tagungsort UZAll, Althanstrasse 14

19:30 Icebreaker Party im Naturhistorischen Museum Wien (Burgring 7, 1010 Wien)

**24.9.2018** 08:00-16:00 Registrierung am Tagungsort UZAll, Althanstrasse 14

HS3

**08:30 Eröffnung: Wagreich (Moderator)**

Grüßworte: Petra Heinz (Dekanin der Fakultät für Geowissenschaften, Geographie und Astrophysik)  
 Bernhard Grasemann (Präsidenten der Österreichischen Geologischen Gesellschaft)  
 Mathias Harzhauser (Abteilungsdirektor Geologie des Naturhistorischen Museums Wien)  
 Peter Seifert (Direktor der Geologischen Bundesanstalt)

HS3

**09:00-10:00 Quartärgeologie: Spötl (Moderator)**

Neuhuber, Stephanie; Ruzkiczay-Rüdiger, Zsófia; Braumann, Sandra; Hintersberger, Esther; Plan, Lukas; Fiebig, Markus; Grupe, Sabine; Payer, Thomas; Lüthgens, Christopher; Braucher, Régis  
 Pliocene and Pleistocene fluvial deposits in the Vienna Basin - Status of numerical age dating using the cosmogenic nuclide pair <sup>26</sup>Al and <sup>10</sup>Be

Plan, Lukas; Stöger, Tobias; Draganits, Erich; Gier, Susanne  
 Rare karren features indicate a previously unknown Pleistocene landslide-dammed lake (Lower Austria)

Daxer, Christoph; Moernaut, Jasper; Taylor, Timothy; Haas, Jean Nicolas; Strasser, Michael  
 The Late Glacial and Holocene Sedimentary Infill of Lake Mondsee (Eastern Alps, Austria) and Historical Rockfall Activity revealed by Reflection Seismics and Sediment-Core Analysis

Draganits, Erich; Khoshraftar, Reza; Saeedi, Sahand; Schimerl, Nicolas; Aali, Abolfazl; Bagherpour-Kashani, Natascha; Boenke, Nicole; Stöllner, Thomas  
 Geology, geoarchaeology or ethnogeoarchaeology? Landscape reconstruction at the Chehrabad salt mine (Zanjan, Iran) since the Achaemenid Period

HS2

**Umwelt: Micic (Moderatorin)**

Montano, Manuel; Tepe, Nathalie; von der Kammer, Frank; Hofmann, Thilo  
 Exploring the Nanogeochemical Environment Using single particle ICP-TOF-MS

Walch, Helene; Praetorius, Antonia; von der Kammer, Frank; Hofmann, Thilo  
 Riding down the river sitting on natural suspended matter? – Assessing the fate of nanoparticles.

Kralik, Martin  
 Nitrogen-isotopes and multi-parameter sewage water test for identification of nitrate sources: Groundwater body Marchfeld E of Vienna

Hoehn, Philipp; Flores Orozco, Adrián  
 Investigating stream-aquifer exchange using waterborne spectral induced polarization imaging

Clar Saal

10:00 Kaffeepause

Kaffeepause

Kaffeepause

**10:30-12:00 Sedimentologie/Stratigraphie: Piller (Moderator)**

**Lagerstätten: Weber/Melcher (Moderatoren)**

	Strasser, Michael; Huang, Jyh-Jaan; Moernaut, Jasper; Ali, Ahmed; Burger, Ulrich; Christoph, Daxer; Geitner, Clemens; Haas, Jean Nicolas; Koinig, Karin; Kowarik, Kerstin; Molenaar, Arianna; Oeggel, Klaus; Spötl, Christoph; Stückler, Georg; Wagreich, Michael	The new Austrian Core Facility for Scientific Core Analyses: Introduction and first scientific achievements	Ebner, Fritz; Hippler, Dorothee; Dietzel, Martin; Mali, Heinrich; Ovissi, Masoud; Ghorbani, Masoud	Mg-Isotopie in Magnesiten: Weiterführende Charakterisierung und Implikationen für die Magnesitgenese	
	Meister, Patrick; Habler, Gerlinde; Frisia, Silvia; Zhang, Huiming	Incomplete Ostwald ripening in Triassic primary dolomites	Melcher, Frank; Onuk, Peter	Das Potential von kritischen Hochtechnologiemetallen in Buntmetallsulfidvorkommen der Ostalpen	
	Koukal, Veronika; Wagreich, Michael	Paleogene deep-water facies of the Upper Gosau Subgroup at Gams (Styria, Austria)	Posch-Trözmüller, Gerlinde; Peresson, Mandana; Hobiger, Gerhard; Atzenhofer, Bernhard; Wessely, Godfrid	Gipsvorkommen im Untergrund Niederösterreichs: Abgrenzung, Risiken, Datierung	
	Mandic, Oleg; Harzhauser, Mathias	Current status of the Central Paratethys Neogene stratigraphy	Hampl, Ferdinand Jakob	The karst bauxite of the Unterlaussa mining area (Upper Austria)	
	Harzhauser, Mathias; Mandic, Oleg; Kranner, Matthias; Lukeneder, Petra; Kern, Andrea K.; Gross, Martin; Carnevale, Giorgio; Jawecki, Christine	Mind the gap! The Sarmatian/Pannonian boundary at the western margin of the Vienna Basin (Austria)	Weber, Leopold	IRIS Online (Interaktives Rohstoff Informations System), ein Beispiel für ein weltweit einzigartiges digitales Rohstoff-Informationssystem	
	Pfleiderer, Sebastian	Spectroscopy and machine vision – a replacement for manual gravel analysis?	Heinrich, Maria	Das Projekt IRIS-Baurohstoffe in Österreich im Rahmen der Initiative GBA-Forschungspartnerschaften Mineralrohstoffe	
12:00	Mittagspause		Mittagspause		Mittagspause
13:30-15:00	<b>Petrologie/Geochronologie: Huet/Klötzli (Moderatoren)</b>		<b>Ingenieurgeologie: Preh (Moderator)</b>		<b>Lehrer Session: Summesberger (Moderator)</b>
	Tropper, Peter; Mair, Philipp; Schantl, Phillip; Jestl, Stefan; Niederstrasser, Stefan	The persistence of memory: experimental simulation of geodynamic processes using natural starting materials	Illeditsch, Mariella; Preh, Alexander	Waldmodul für THROW – Berücksichtigung des Einflusses von Vegetation bei 2D-Steinschlagmodellen	Barnikel, Friedrich; Seifert-Lorenz, Ulrike; Brütting, Tobias; Plötz, Robert
	Rantitsch, Gerd; Iglseder, Christoph; Huet, Benjamin; Hollinetz, Marianne; Sophie; Werdenich, Manuel	Organic metamorphism during thrusting within the Eoalpine upper plate (NW margin of the Gurktal nappes, Eastern Alps)	Fleris, Emmanouil; Preh, Alexander	A study of Rockfall processes at different geomorphological settings through numerical simulations in 3D.	Barnikel, Friedrich
	Griesmeier, Gerit; Huet, Benjamin; Schuster, Ralf; Grasemann, Bernhard	P-T-t constraints for the Variscan history of the Gaugen Complex (Kreuzeck Mountains, Austria, Eastern Alps)	Fuchs, Florian; Hibert, Clément; Lenhardt, Wolfgang; Bokelmann, Götz; the AlpArray Working Group	Searching fore- and afterslides of gravitational mass movements	Hamilton, Margret
	Neuschwendner, Bernhard; Kloetzli, Urs; Kanjanapayont, Pitsanupong; Konečný, Patrik; Broska, Igor	Petrogenesis of Triassic and Cretaceous metamorphic rocks from Khanom (Peninsular Thailand); monazite CHIME dating and thermobarometry	Hormes, Anna; Reitner, Jürgen; Vecchiotti, Filippo	Surface Deformation Rates of a Deep-Seated Toppling Slope Failure in Lienz (Tyrol, Austria)	Hofmann, Thomas; Dörflinger, Elfriede
					Internationale Schulkooperationen im Rahmen von Erasmus+ - Best practice Beispiele
					Unterrichtseinheiten in den Geowissenschaften von Lehrkräften für Lehrkräfte
					The research of the western Tauern window between 1894 and 1898 in the documents of the mineralogist and petrographer Friedrich Becke. A project of the "Österreichische Akademie der Wissenschaften".
					Rocky Austria online – Lessons learned

	Klötzli, Urs	Geochronological pitfalls in petrochronological research - the case of instrumental elemental fractionation effects	Ostermann, Marc; Zangerl, Christian; Ivy-Ochs, Susan	Deep-Seated Gravitational Slope Deformations in the Austrian and Italian Alps: Characteristics and Dating	Lantschner, Magnus	Geologische Umweltbildung im Naturpark Zillertal
	Quandt, Dennis; Micheuz, Peter; Kurz, Walter; Krenn, Kurt; Hippler, Dorothee; Kluge, Tobias; Boch, Ronny; Hauzenberger, Christoph	Timing and geochemistry of calcite veins in pillow lavas of the Troodos ophiolite: implications for fluid composition and vein mineral growth in a supra-subduction zone	Burger, Ulrich; Perello, Paolo; Lorenzi, Stefano	Hydraulische Charakterisierung des Hochsteigenmarmors am Westrand des Tauernfesters - Brenner Region	Vesela, Petra; Jana Švandová; Kateřina Čiháková; Jakub Halaš	Geologie-Ausbildung für Schüler und Lehrer in der Tschechischen Republik – ein Bericht über das Geodidaktische Zentrum in Říčany
	15:00	Kaffeepause	Kaffeepause	Kaffeepause		
	15:30-17:00	<b>Petrologie/Geochronologie: Huet/Klötzli (Moderatoren)</b>				
	Tropper, Peter; Krüger, Biljana; Stiller, Veronika; Rauch, Leo; Joachim, Bastian; Angerer, Thomas	Mineralogical-petrological and experimental investigations of pyrometamorphic rocks from the Hatrurim Formation (Israel)				
	Meyer, Michael	Optical dating of geological and archaeological rock surfaces – potential and limitations of a new dating tool for the earth and archaeological sciences				
	Rice, A Hugh N.; Bao, Huiming; Viehmann, Sebastian; Peng, Yongbo	The Marinoan 17O depletion (MOSD) event in northern Baltica				
	Talla, Dominik; Wildner, Manfred	Structural and molecular spectroscopic behaviour of the Mg-Mn kieserite solid solution, (Mg,Mn)SO <sub>4</sub> ·H <sub>2</sub> O, with relevance to icy satellites of Jupiter and Saturn				
	Huet, Benjamin; Knoll, Tanja; Schuster, Ralf; Paulick, Holger	Albite-spodumene pegmatites without large granite intrusions? Exploring the feasibility of the alternative anatectic model				
	Roszar, Julia; Whitehouse, Martin J.; Terada, Kentaro; Fukuda, Kohei; John, Timm; Bischoff, Addi; Morishita, Yuichi; Hiyagon, Hajime	The dynamic history of Mars – adding another puzzle piece from the analysis of Ca-phosphates in martian meteorites				
	17:00-18:00	Poster Session				
	18:00	<b>Ehrungen ÖGG: Grasemann</b>				
	Otto Ampferer Preis: A. Rogowitz					
	Hans Höfer von Heimhalt Preis: D. Misch					
	Ehrenmitgliedschaft bei der Österreichischen Geologischen Gesellschaft: Konrad Hösch, Georg Friebe					
	Preis "Vorwissenschaftliche Arbeit im Bereich Erdwissenschaften":					
	18:30	<b>Plenarvortrag L. Weber: "Energiewende = Rohstoffwende?"</b>				
	HS3		HS2		Clar Saal	
25.9.2018	08:30-10:00	<b>Angewandte Geophysik: Adrian Flores-Orozco (Moderator)</b>	<b>Paläontologie: Zuschin (Moderator)</b>			

Steiner, Mathias; Gallistl, Jakob; Maierhofer, Theresa; Flores-Orozco, Adrian	Assimilation of Electrical Resistivity Tomography (ERT) and Ground-Penetrating Radar (GPR) data in the inversion of Refraction Seismic Tomography (RST) data for an improved spatial characterization of alpine permafrost	Gebhardt, Holger; Bettina, Schenk; Wolfgring, Eric; Irene, Zorn	Cyclic paleo-salinity changes inferred from benthic foraminiferal assemblages in the Upper Burdigalian (Lower Miocene) Korneuburg Basin, Austria
Roser, Nathalie; Flores-Orozco, Adrian; Steiner, Matthias; Denk, Astrid	Electrical Properties in Vineyard Soils	Kranner, Matthias	Foraminifera as tool for biostratigraphic cross-correlation of major oilfields in the Vienna Basin
Aigner, Lukas; Bucker, Matthias; Steiner, Matthias; Gallistl, Jakob; Flores-Orozco, Adrian	Improved inversion of Induced Polarization and Transient Electromagnetic methods to characterize fractured media	Lindenbauer, Julius; Voigt, Sebastian; Herret, Marie Theres; Kain, Pia; Wohlschlägl, Ricarda; Krawanja-Ortner, Gerlinde	Erste systematische Fossilgrabung nach permischen Tetrapodenfährten in den Gailtaler Alpen (Kärnten, Österreich)
Katona, Tímea; Gallistl, Jakob; Schlögel, Ingrid; Flores-Orozco, Adrian	Leakage detection in an industrial water pipe network using induced polarization imaging	Thi Hoang Tran, Ha; Rott, Eugen; Sanders, Diethard	Calcification of the eucaryotic microalga <i>Oocardium stratum</i> NAEGELI 1849 (Zygnematophyceae): Exploring the niche of an highly effective biocalcifyer.
Maierhofer, Theresa; Aigner, Lukas; Steiner, Matthias	Electrical modelling for an improved understanding of GPR signatures in alpine permafrost using results obtained from different geophysical surveys	Schwab, Julia; Young, Mark; Walsh, Stig; Witmer, Lawrence; Herrera, Yanina; Brusatte, Stephen	Evolution of thalattosuchian crocodylomorphs - the role of the neurosensory system in adaptations to a secondarily aquatic lifestyle
Golab, Antonia; Gallistl, Jakob	Delineation of soil structure and the plough horizon through electrical imaging: laboratory investigations	Summesberger, Herbert; Kennedy, William J.; Wagreeich, Michael	Coniacian ammonites from the Gosau Group of the Salzkammergut (Austria)
10:00 Kaffeepause		Kaffeepause	
10:30-12:00 <b>Geophysik: Lenhardt (Moderator)</b>		<b>Paläontologie/Stratigraphie: Zuschin (Moderator)</b>	
Schneider, Felix Michael; Fuchs, Florian; Kolinsky, Petr; Caffagni, Enrico; Serafin, Stefano; Dorninger, Manfred; Bokelmann, Götz; the AlpArray Working Group	Seismo-acoustic signals of the Baumgarten (Austria) gas explosion detected by the AlpArray seismic network	Zuschin, Martin; Gallmetzer, Ivo; Haselmair, Alexandra; Tomašových, Adam	Holocene benthic baseline communities in the northern Adriatic Sea and their collapse due to anthropogenic impact
Jud, Markus	GeoTief Wien Seismische Exploration für tiefe Geothermie - Ergebnisse einer neuen 2D-Seismik	Sames, Benjamin; Trabelsi, Khaled	The Central Tunisian Atlas as potential key area for late Mesozoic non-marine research and supra-regional biostratigraphy: A micropalaeontological perspective
Papí Isaba, María del Puy; Jia, Yan; Weginger, Stefan	Intensity prediction equation – ShakeMap - for Austria	Baron-Szabo, Rosemarie C.; Sanders, Diethard	Scleractinian corals from the Lower Oligocene of the Eastern Alps, Austria: taxonomic composition, palaeoecology and palaeobiogeography---preliminary results

Qorbani, Ehsan; Zigone, Dimitri; Bokelmann, Goetz	3-D shear velocity model of the Eastern and Southern Alps from ambient noise tomography	Garcia Ramos, Diego Antonio; Zuschin, Martin	High-frequency cycles of brachiopod shell beds on subaqueous delta-scale clinoforms (early Pliocene, SE Spain)
Schippkus, Sven; Zigone, Dimitri; Bokelmann, Götz	A new 3D shear velocity model of the wider Vienna Basin region from ambient noise tomography	Palzer-Khomenko, Markus; Wagreich, Michael; Knierzinger, Wolfgang; Meszar, Maria E.; Gier, Susanne; Soliman, Ali; Kallanxhi, Madalina -Elena	The upper Ottngangian Calcite Minimum Interval: A solution to many problems?
Steiner, Matthias; Straka, Wolfgang; Flores-Orozco, Adrian	On the applicability of microphone readings for robust event detection in broad-band ambient seismic noise	Tari, Gabor; Strauss, Philipp	The Jurassic Gresten facies of the European margin in Austria, Hungary and Romania: a regional overview

12:00 Mittagspause

Mittagspause

Mittagspause

13:30-15:00 **Strukturgeologie: Schöpfer/Hinsch (Moderatoren)**

Hinsch, Ralph; Pelz, Klaus; Schuller, Volker; Thöny, Wolfgang	Hunting for the trap: Applied Structural Geology in OMV Exploration
Misch, David; Klaver, Johannes; Gross, Doris; Sachsenhofer, Reinhard F; Schmatz, Joyce; Urai, Janos L.	Microporosity in solid bitumen: The key to unconventional reservoir potential in the Ukrainian Dniepr-Donets Basin
Hinsch, Ralph; Sellar, Christopher; Bretis, Bernhard; Gharabeigli, Gholamreza; Morsalnezhad, Davoud; Lovett, Tam; Gruber, Karin; Julapour, Ali Asghar; Tari, Gabor; Kosi, Walter	Structural Geological and Salt Tectonic processes in the south-eastern Zagros, Iran
Schneider, David; Grasmann, Bernhard; Lion, Allan; Soukis, Kostis; Draganits, Erich	Hiding beneath a volcano: the Santorini Detachment System (Cyclades, Greece)
Schöpfer, Martin; Lehner, Florian; Grasmann, Bernhard; Kaserer, Klemens	Spacing of bending-induced fractures at saturation: Numerical models and approximate analytical solution
Kraus, Katrin; Renner, Jörg; Grasmann, Bernhard; Rogowitz, Anna	The effect of the volume fraction of garnet on the deformation behaviour of eclogite

15:00 Kaffeepause

Kaffeepause

Kaffeepause

15:30-17:00 **Tectonik und Hydrogeologie in Fold-and-Thrust Belts: Plan/Ortner (Moderatoren)**

Strauss, Philipp; Granado, Pablo; Pelz, Klaus; Roca, Eduard; Thöny, Wolfgang; König, Michael; Peresson, Herwig	Relevance of salt on sedimentation and later deformation of the Northern Calcareous Alps fold-belt (NCA), Austria.
Pelz, Klaus; Granado, Pablo; Strauss, Philipp; Roca, Eduard; König, Michael; Peresson, Herwig; Muñoz, Josep Anton	Allochthonous salt and the formation of overturned to recumbent thrust sheets in the Northern Calcareous Alps
Habermüller, Mario; Grasmann, Bernhard; Exner, Ulrike	Styles of fault-related folding at the front of the Northern Calcareous Alps

Baron, Ivo; Plan, Lukas; Grasemann, Bernhard; Mitrovic, Ivanka Geological evidences of active tectonics in the Eastern Alps revealed in caves

Gribovski, Katalin; Kovács, Károly; Esterhazy, Sofi; Mónus, Péter; Kiszely, Márta; Bokelmann, Götz Progress in investigation of vulnerable stalagmites' vibration, numerical and analogue modeling

Hardege, Jonas; Plan, Lukas; Winkler, Gerhard; Baron, Ivo; Grasemann, Bernhard An enigmatic spring in a hydrothermal cave at the western margin of the Vienna Basin

17:00-19:00 Poster Session

19:30 Konferenz-Dinner (Melker Stiftskeller, Schottengasse 3/3, 1010 Wien)

Diskussion Junior Section ÖGG: Markus Palzer-Khomenko (Moderator)

HS3

**26.9.2018 08:30-10:00 Hydrogeologie: Birk (Moderator)**

Kralik, Martin; Bieber, Gerhard; Papp, Erika Multi-Isotopenmessungen (18O/2H,3H/3He,13C/14C) bestätigen aufsteigende Karstwässer an den Windener Quellen (Leithagebirge).

Birk, Steffen Interpretation der Trockenwetterfalllinien von Quellen: Quantitative Methode oder Spekulation?

Boch, Ronny; Leis, Albrecht; Mittermayr, Florian; Simic, Sanja; Eichinger, Stefanie; Grengg, Cyrill; Hippler, Dorothee; Almer, Martin; Dietzel, Martin Unwanted mineral deposits in geotechnical settings – Scaling forensic investigation of formation conditions and related material characteristics

Hartl, Irene; Benold, Christian; Eichinger, Florian; Elster, Daniel; Goldbrunner, Johann E.; Götzl, Gregor; Gross, Doris; Hobiger, Gerhard; Kralik, Martin; Kriegl, Christian; Pytlak, Lukasz; Sachsenhofer, Reinhard F.; Schubert, Gerhard Hydrochemical Signatures of Groundwaters in Upper Austria - Contributions to a revision of the existing thermal aquifer model

Philippitsch, Rudolf; Humer, Franko Textband "Isotopenzusammensetzung in natürlichen Wässern in Österreich - Grundlagen und Anwendungsbeispiele zur Wasser-Isotopenkarte Österreichs 1:500.000"

Wagner, Thomas; Pauritsch, Marcus; Hergarten, Stefan; Winkler, Gerfried Spring water temperatures affected by cooling effects of relict rock glaciers – preliminary results of the Niedere Tauern Range, Austrian Alps

HS2

Clar Saal

10:00 Kaffeepause

10:30-12:00 Regionale Geologie: Iglseder (Moderator)

Kaffeepause

Kaffeepause

Jawecki, Christine; Weil, Jonas; Decker, Kurt; Hintersberger, Esther; Novothy, Agnes Krenmayr, Hans Georg;	Landesgeologie Wien: Beispiele aus Modellierung, Datierung, Archivierung Diskussionsvorschlag für ein differenziertes Begriffssystem lithotektonischer Einheiten
Huet, Benjamin; Iglseder, Christoph; Schuster, Ralf; Schneider, David; Rogowitz, Anna; Linner, Manfred; Grasemann, Bernhard	Towards a new lithostratigraphic and tectonic model for the "Innsbruck Quartzphyllite Zone" within the Upper Austroalpine nappes (Oberpinzgau, Salzburg, Austria)
Iglseder, Christoph; Huet, Benjamin; Schuster, Ralf; Rantitsch, Gerd; Dunkl, Istvan; Ratschbacher, Lothar	Tectonometamorphic evolution of the uppermost Upper Austroalpine: Insights from a section across the Gstoder, Bundschuh, Königstuhl, and Stolzalpe Nappes (Gurktal Alps, Austria)
Ortner, Hugo; Kilian, Sinah	Interacting folds, faults and thrusts - the conundrum of the Karwendel zone of slices ("Karwendelschuppenzone")
Hintersberger, Esther; Griesmeier, Gerit; Iglseder, Christoph	Tektonische Grenzflächen in Niederösterreich - Auf dem Weg zu einer Störungsdatenbank im Maßstab 1:200.000

12:00 **Abschlussveranstaltung: Wagreich (Moderator)**

27.9.2018

08:30 Exkursion III: Geologie und Geomorphologie des Neusiedlersees (E. Draganits). Treffpunkt UZAII, Althanstrasse 14