

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. He

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)**

Grußworte:

Petra Heinz (Dekanin der Fakultät für Geowissenschaften, Geographie und As
Bernhard Grasmann (Präsidenten der Österreichischen Geologischen Gesell
Mathias Harzhauser (Abteilungsleiter Geologie des Naturhistorischen Mus
Peter Seifert (Direktor der Geologischen Bundesanstalt)

HS3

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

Neuhuber, Stephanie; Ruzsiczay-
Rüdiger, Zsófia; Braumann, Sandra;
Hintersberger, Esther; Plan, Lukas;
Fiebig, Markus; Grupe, Sabine; Payer,
Thomas; Lüthgens, Christopher;
Braucher, Régis

Plan, Lukas; Stöger, Tobias;
Draganits, Erich; Gier, Susanne

Pliocene and Pleistocene fluvial
deposits in the Vienna Basin - Status
of numerical age dating using the
cosmogenic nuclide pair ^{26}Al and
 ^{10}Be

Rare karren features indicate a
previously unknown Pleistocene
landslide-dammed lake (Lower
Austria)

HS2

Umwelt: Micic (Moderatorin)

Montano, Manuel; Tepe, Nathalie;
von der Kammer, Frank; Hofmann,
Thilo

Walch, Helene; Praetorius, Antonia;
von der Kammer, Frank; Hofmann,
Thilo

	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	Kralik, Martin
	Draganits, Erich; Khoshraftar, Reza; Saeedi, Sahand; Schimerl, Nicolas; Aali, Abolfazl; Bagherpour-Kashani, Natascha; Boenke, Nicole; Stöllner, Thomas	Geology, geoarchaeology or ethnogeochaeology? Landscape reconstruction at the Chehrabad salt mine (Zanjan, Iran) since the Achaemenid Period	Hoehn, Philipp; Flores Orozco, Adrián
	10:00	Kaffeepause	Kaffeepause
10:30-12:00	Sedimentologie/Stratigraphie: Piller (Moderator)	Lagerstätten: Weber/Melcher (Moderator)	
	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
	Meister, Patrick; Habler, Gerlinde; Frisia, Silvia; Zhang, Huiming	Incomplete Ostwald ripening in Triassic primary dolomites	Melcher, Frank; Onuk, Peter
	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

Mandic, Oleg; Harzhauser, Mathias	Current status of the Central Paratethys Neogene stratigraphy	Hampl, Ferdinand Jakob
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
Pfleiderer, Sebastian	Spectroscopy and machine vision – a replacement for manual gravel analysis?	Heinrich, Maria

12:00	Mittagspause	Mittagspause
13:30-15:00	Petrologie/Geochronologie: Huet/Klötzli (Moderatoren)	Ingenieurgeologie: Preh (Moderator)
Tropper, Peter; Mair, Philipp; Schantl, Philip; Jestl, Stefan; Niederstrasser, Stefan	The persistence of memory: experimental simulation of geodynamic processes using natural starting materials	Illeditsch, Mariella; Preh, Alexander
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
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

Neugschwentner, Bernhard; Kloetzli, Urs; Kanjanapayont, Pitsanupong; Konecný, 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
Klötzli, Urs	Geochronological pitfalls in petrochronological research - the case of instrumental elemental fractionation effects	Ostermann, Marc; Zangerl, Christian; Ivy-Ochs, Susan
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

15:00 Kaffeepause

15:30-17:00 **Petrologie/Geochronologie: Huet/Klötzli (Moderatoren)**

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

Kaffeepause

Talla, Dominik; Wildner, Manfred	Structural and molecular spectroscopic behaviour of the Mg-Mn kieserite solid solution, (Mg,Mn)SO ₄ ·H ₂ 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

17:00-18:00 Poster Session

18:00 **Ehrungen ÖGG: Grasemann**

Otto Ampferer Preis: A. Rogowitz

Hans Höfer von Heimhalt Preis: D. Misch

Preis "Vorwissenschaftliche Arbeit im Bereich Erdwissenschaften":

18:30 **Plenarvortrag L. Weber: "Energiewende = Rohstoffwende?"**

25.9.2018	08:30-10:00	HS3	Angewandte Geophysik: Adrian Flores-Orozco (Moderator)	HS2	Paläontologie: Zuschin (Moderator)
		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	

Roser, Nathalie; Flores-Orozco, Adrian; Steiner, Matthias; Denk, Astrid	Electrical Properties in Vineyard Soils	Kranner, Matthias
Aigner, Lukas; Bücken, 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
Katona, Timea; 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
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
Golab, Antonia; Gallistl, Jakob	Delineation of soil structure and the plough horizon through electrical imaging: laboratory investigations	Summesberger, Herbert; Kennedy, William J.; Wagneich, Michael

10:00 Kaffeepause

Kaffeepause

10:30-12:00 **Geophysik: Lenhardt (Moderator)**

Paläontologie/Stratigraphie: Zuschin

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

Jud, Markus	GeoTief Wien Seismische Exploration für tiefe Geothermie - Ergebnisse einer neuen 2D-Seismik	Sames, Benjamin; Trabelsi, Khaled
Papí Isaba, María del Puy; Jia, Yan; Weginger, Stefan	Intensity prediction equation – ShakeMap - for Austria	Baron-Szabo, Rosemarie C.; Sanders, Diethard
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
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; Wagreeich, Michael; Knierzinger, Wolfgang; Meszar, Maria E.; Gier, Susanne; Soliman, Ali; Kallanxhi, Madalina - Elena
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
12:00 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; Grasemann, Bernhard; Lion, Allan; Soukis, Kostis; Draganits, Erich	Hiding beneath a volcano: the Santorini Detachment System (Cyclades, Greece)
Schöpfer, Martin; Lehner, Florian; Grasemann, Bernhard; Kaserer, Klemens	Spacing of bending-induced fractures at saturation: Numerical models and approximate analytical solution
Kraus, Katrin; Renner, Jörg; Grasemann, Bernhard; Rogowitz, Anna	The effect of the volume fraction of garnet on the deformation behaviour of eclogite

15:00 Kaffeepause

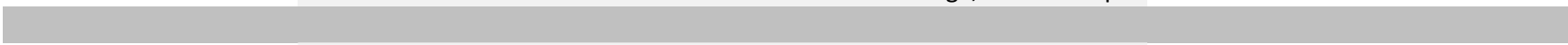
Kaffeepause

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; Grasmann, Bernhard; Mitrovic, Ivanka	Geological evidences of active tectonics in the Eastern Alps revealed in caves	
	Gribovszki, 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; Grasmann, Bernhard	An enigmatic spring in a hydrothermal cave at the western margin of the Vienna Basin	
	17:00-19:00	Poster Session	Diskussion Junior Section ÖGG: Marku
	19:30	Konferenz-Dinner (Melker Stiftskeller, Schottengasse 3/3, 1010 Wien)	
		HS3	HS2
26.9.2018	08:30-10:00	Hydrogeologie: Birk (Moderator) Kralik, Martin; Bieber, Gerhard; Papp, Erika Birk, Steffen Boch, Ronny; Leis, Albrecht; Mittermayr, Florian; Simic, Sanja; Eichinger, Stefanie; Grengg, Cyrill; Hippler, Dorothee; Almer, Martin; Dietzel, Martin	Multi-Isotopenmessungen (18O/2H,3H/3He,13C/14C) bestätigen aufsteigende Karstwässer an den Windener Quellen (Leithagebirge). Interpretation der Trockenwetterfalllinien von Quellen: Quantitative Methode oder Spekulation? Unwanted mineral deposits in geotechnical settings – Scaling forensic investigation of formation conditions and related material characteristics

<p>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</p>	<p>Hydrochemical Signatures of Groundwaters in Upper Austria - Contributions to a revision of the existing thermal aquifer model</p>
<p>Philippitsch, Rudolf; Humer, Franko</p>	<p>Textband "Isotopenzusammensetzung in natürlichen Wässern in Österreich - Grundlagen und Anwendungsbeispiele zur Wasser- Isotopenkarte Österreichs 1:500.000"</p>
<p>Wagner, Thomas; Pauritsch, Marcus; Hergarten, Stefan; Winkler, Gerfried</p>	<p>Spring water temperatures affected by cooling effects of relict rock glaciers – preliminary results of the Niedere Tauern Range, Austrian Alps</p>



<p>10:00 Kaffeepause</p>		<p>Kaffeepause</p>
<p>10:30-12:00 Regionale Geologie: Iglseder (Moderator)</p>		
<p>Jawecki, Christine; Weil, Jonas; Decker, Kurt; Hintersberger, Esther; Novothny, Agnes</p>	<p>Landesgeologie Wien: Beispiele aus Modellierung, Datierung, Archivierung</p>	
<p>Krenmayr, Hans Georg;</p>	<p>Diskussionsvorschlag für ein differenziertes Begriffssystem lithotektonischer Einheiten</p>	

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 UZAll, Althanstrasse 14

inrich). Treffpunkt UZAI, Althanstrasse 14

trophysik)
schaft)
eums Wien)

Clar Saal

Exploring the Nanogeochemical
Environment Using single particle ICP-
TOF-MS

Riding down the river sitting on
natural suspended matter? –
Assessing the fate of nanoparticles.

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

Investigating stream-aquifer exchange using waterborne spectral induced polarization imaging

Kaffeepause

atoren)

Mg-Isotopie in Magnesiten: Weiterführende Charakterisierung und Implikationen für die Magnesitgenese

Das Potential von kritischen Hochtechnologiemetallen in Buntmetallsulfidvorkommen der Ostalpen

Gipsvorkommen im Untergrund Niederösterreichs: Abgrenzung, Risiken, Datierung

The karst bauxite of the Unterlaussa mining area (Upper Austria)

IRIS Online (Interaktives Rohstoff Informations System), ein Beispiel für ein weltweit einzigartiges digitales Rohstoff-Informationssystem

Das Projekt IRIS-Baurohstoffe in Österreich im Rahmen der Initiative GBA-Forschungspartnerschaften Mineralrohstoffe

Mittagspause

Lehrer Session: Summesberger (Moderator)

Waldmodul für THROW – Berücksichtigung des Einflusses von Vegetation bei 2D-Steinschlagmodellen

Barnikel, Friedrich; Seifert-Lorenz, Ulrike; Brütting, Tobias; Plötz, Robert

Internationale Schulkooperationen im Rahmen von Erasmus+ - Best practice Beispiele

A study of Rockfall processes at different geomorphological settings through numerical simulations in 3D.

Barnikel, Friedrich

Unterrichtseinheiten in den Geowissenschaften von Lehrkräften für Lehrkräfte

Searching fore- and afterslides of gravitational mass movements

Hamilton, Margret

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".

Surface Deformation Rates of a Deep-Seated Toppling Slope Failure in Lienz (Tyrol, Austria)

Hofmann, Thomas; Dörflinger, Elfriede

Rocky Austria online – Lessons learned

Deep-Seated Gravitational Slope Deformations in the Austrian and Italian Alps: Characteristics and Dating

Lantschner, Magnus

Geologische Umweltbildung im Naturpark Zillertal

Hydraulische Charakterisierung des Hochstegenmarmors 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

Kaffeepause



Clar Saal

Cyclic paleo-salinity changes inferred from benthic foraminiferal assemblages in the Upper Burdigalian (Lower Miocene) Korneuburg Basin, Austria

Foraminifera as tool for
biostratigraphic cross-correlation of
major oilfields in the Vienna Basin

Erste systematische Fossilgrabung
nach permischen Tetrapodenfährten
in den Gailtaler Alpen (Kärnten,
Österreich)

Calcification of the eucaryotic
microalga *Oocardium stratum*
NAEGELI 1849 (Zygnematophyceae):
Exploring the niche of a highly
effective biocalcifier.

Evolution of thalattosuchian
crocodylomorphs - the role of the
neurosensory system in adaptations
to a secondarily aquatic lifestyle

Coniacian ammonites from the Gosau
Group of the Salzkammergut
(Austria)

Kaffeepause

(Moderator)

Holocene benthic baseline
communities in the northern Adriatic
Sea and their collapse due to
anthropogenic impact

The Central Tunisian Atlas as potential key area for late Mesozoic non-marine research and supra-regional biostratigraphy: A micropalaeontological perspective

Scleractinian corals from the Lower Oligocene of the Eastern Alps, Austria: taxonomic composition, palaeoecology and palaeobiogeography---preliminary results

High-frequency cycles of brachiopod shell beds on subaqueous delta-scale clinofolds (early Pliocene, SE Spain)

The upper Ottnangian Calcite Minimum Interval: A solution to many problems?

The Jurassic Gresten facies of the European margin in Austria, Hungary and Romania: a regional overview

Mittagspause



Kaffeepause

s Palzer-Khomenko (Moderator)

Clar Saal



Kaffeepause

