Mid-European Geomorphology Meeting 2021

Geomorphology in a changing climate and environment

Nov 05-09, 2021

Technical University of Munich

TUM Downtown Campus (Hauptgebäude, Arcisstr. 21)

Deutscher Arbeitskreis für Geomorphologie

AUSTRIA GEOMORPHOLOGIE & UMWELTWANDEL

SGmG SSGm SCHWEIZERISCHE GEOMORPHOLOGISCHE GESELLSCHAFT

SOCIÉTÉ SUISSE DE GÉOMORPHOLOGIE

International Association of Geomorphologists IAG GEOMORPHOLOGY GEOMORPHOLOGIE AIG Association Internationale des Géomorphologues

Special events

(all indicated on map next page)

- Nov 05, 2021, afternoon: Sitzung Junge Geomorphologen Vorstand und Beirat, R. 2408
- Nov 05, 2021, 17:00-18:30: Mitgliederversammlung AK Geomorphologie, R. 0606
- Nov 05, 2021, 19:00: Icebreaker, Foyer, with Jazz band
- Nov 06, 2021, 20:00: Conference Dinner, Augustiner Lagerkeller, Arnulfstraße 52
- Nov 08, 2021, 8:00: Field trip departure, meeting point see map
- Nov 09, 2021, 16:00: End of field trip at Munich central station

Contact: mgm2021.geo@tum.de

How to get there

(all indicated on map next page)

- 10 min walking from Munich central station to Arcisstr. 21, TUM main entrance
- U2 Königsplatz or U2 Theresienstraße
- Bus 100 or Bus 58, stop Technische Universität München

Presenting guidelines

- Oral presentations: 12 min presentation + 3 min discussion
- On-site upload of presentations (pptx or pdf) on Nov 06 at 7:30 or during breaks, R. 0606, R. 0602
- Poster (portrait format, A0) can be put up from Nov 06, 8:00 in R. 2408, R. 3404 and R. 3422

COVID-19 Hygiene Concept: vaccinated, tested, recovered

The conference and the general meeting are open to those who are i) fully vaccinated, ii) recovered or iii) tested. We will verify your status upon check in, every day check applies to those who are not fully vaccinated or recovered. You can present one of the following documents (digital and paper formats):

i) proof of full vaccination
ii) proof of recovery: positive PCR test result (minimum 28 days, maximum 180 days)
iii) certificate of negative test result (PCR test <48 h, rapid antigen test <24 h). As of October 11th, you will have to pay for your own tests in Germany

You cannot join if you have COVID-19 symptoms (e.g. shortness of breath, cough, fever, loss of taste or smell), if you are subject to a quarantine measure (e.g. return from high-risk area or area of variants of concern; contact to a sick person) or if you are tested positive for COVID-19.

During the conference and the general meeting, it is **obligatory to wear a medical mask ("surgical mask")**, except for speakers during presentation and when a distance of >1.5 m can be maintained.

Please check the latest updates on https://www.auswaertiges-amt.de/en/coronavirus/2317268, https://www.corona-katastrophenschutz.bayern.de/faq/index.php and https://www.testen-muenchen.de/.

Scientific organising committee

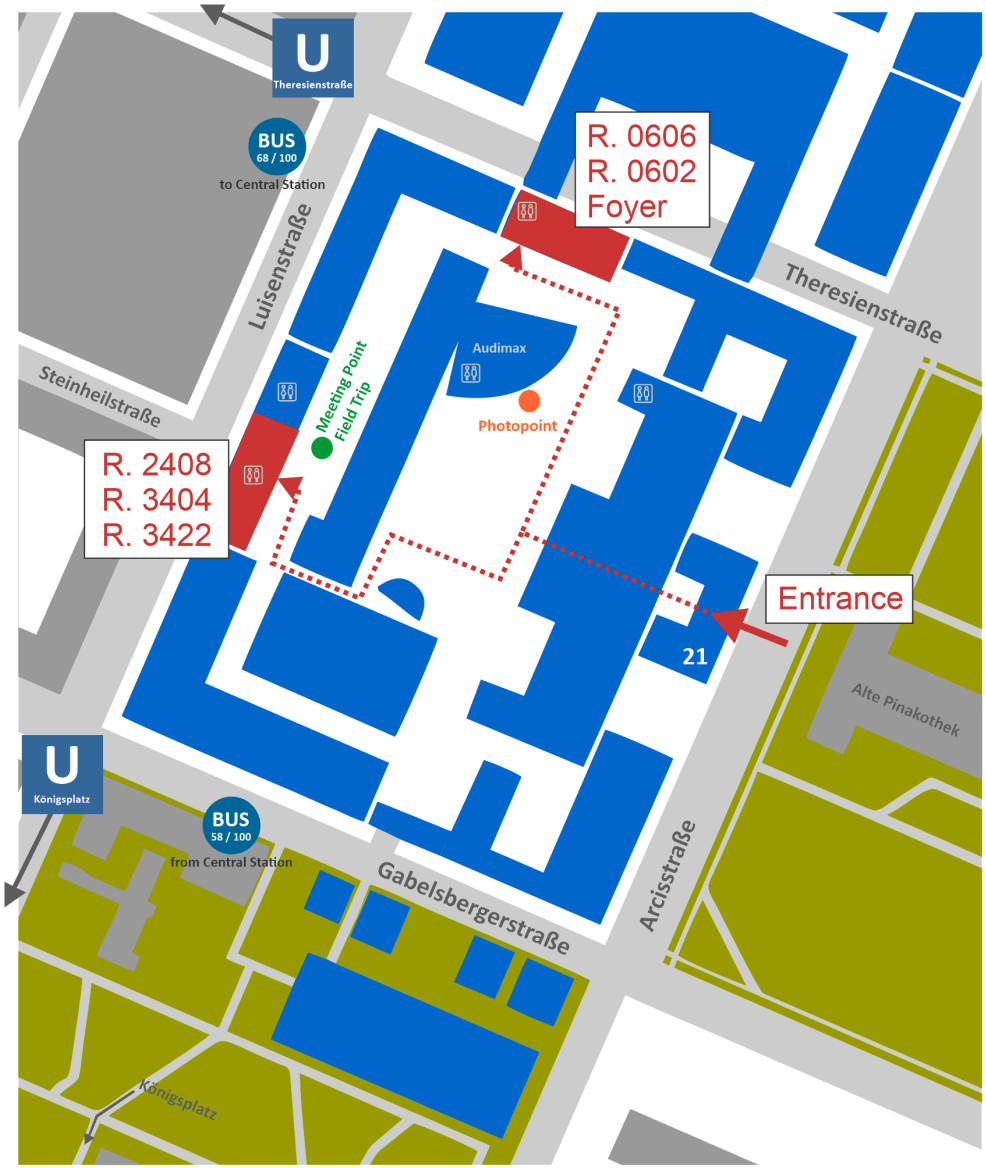
Jan-Christoph Otto (Head Geomorph. AT, U. Salzburg), Cristian Scapozza (Head Schweizerische Geomorphologische Gesellschaft, U. Lugano), Michael Krautblatter (TUM, Head AK Geomorphologie), Sabine Kraushaar (U. Vienna), Markus Fuchs (U. Gießen), Elisabeth Dietze (AWI), Wolfgang Schwanghart (U. Potsdam), Andreas Lang (U Salzburg), Jan Blöthe (U. Freiburg), O. Sass (U. Bayreuth), Micha Dietze (GFZ Potsdam), Bertil Mächtle (U. Heidelberg), Julia Meister (U. Würzburg), Johannes Buckel (TU Braunschweig), Kirstin v. Elverfeldt (U. Klagenfurt), Stephanie Tofelde (U. Potsdam), Aaron Bufe (GFZ Potsdam), André Kirchner (U. Hildesheim), Isabelle Gärtner-Roer (U. Zürich)

Local organising committee

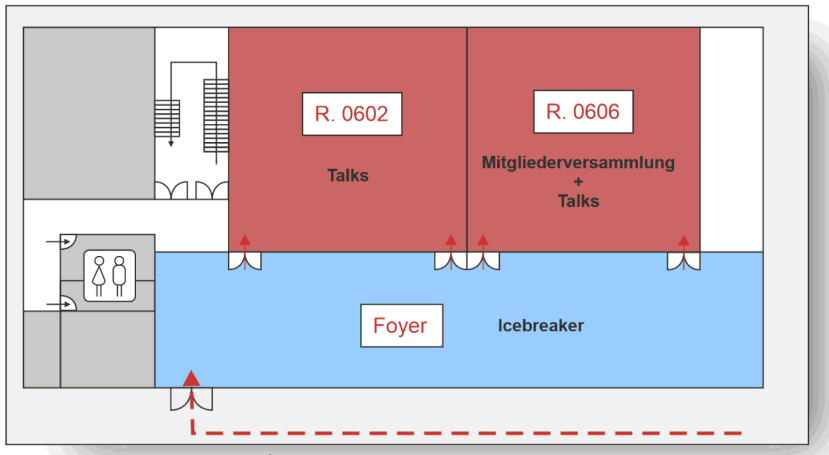
Michael Krautblatter, Stephanie Schaidhammer, Theresa Frimberger, Johannes Leinauer, Carolin Kiefer, Doris Hermle, Ben Jacobs, Sibylle Knapp, Verena Stammberger

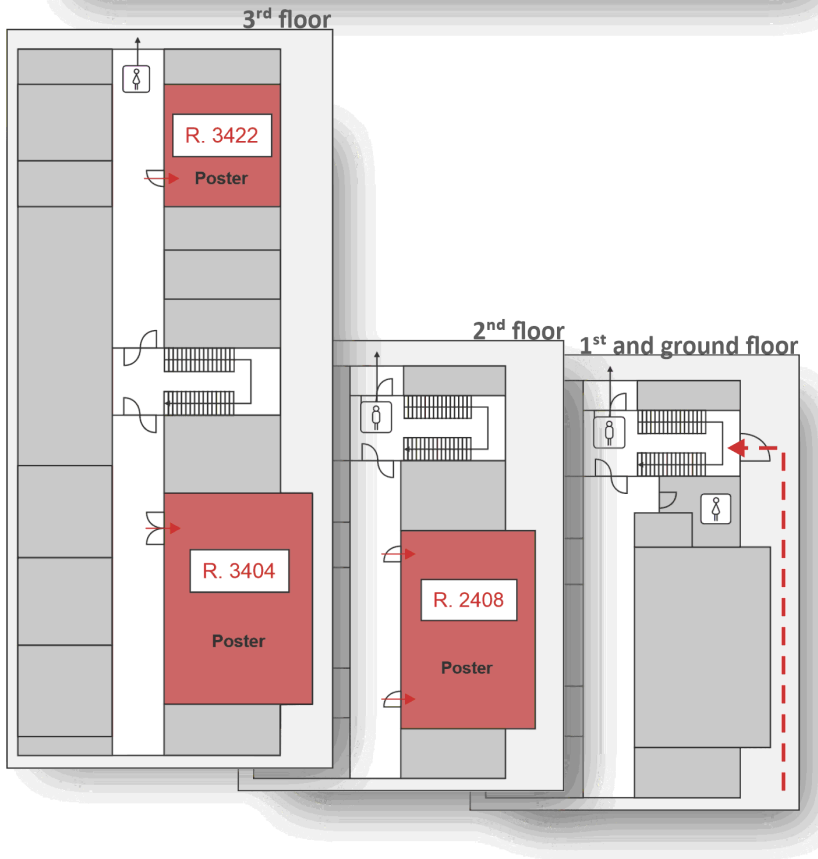
Mid-European Geomorphology Meeting 2021, Munich

Location map and floor plans



Please note: Only the main entrance will be open on the weekend (Sat/Sun)





Programme

Nov 05	R. 0606	
1700	1830	*Mitgliederversammlung AK Geomorphologie*
1900		*Icebreaker: Cold drinks at Foyer*

Nov 06	R. 0606			
800	**810**	***Opening Ceremony MGM 2021***	**Prof. Michael Krautblatter (D), Prof. Jan-Christoph Otto (A), Prof. Cristian Scapozza (CH)**	

Nov 06	R. 0606	*Session Title*	Talk	Authors
810	825	*1.1 DISCUSSION: Changing Geomorphology: anticipating future trajectories of geomorphology (A. Lang, U. Salzburg; Niels Hovius, GFZ Potsdam; K. v. Elverfeldt, U. Klagenfurt)*	Stimulating Talk tba	Wolfgang Schwanghart (U. Potsdam)
825	840		Incitation Talk tba	Aaron Bufe (GFZ Potsdam)
840	915		Discussion	
915	930	*2.1 Alpine geomorphology in a changing climate and environment (O. Korup, U. Potsdam; J.-C. Otto, U. Salzburg)*	An increase of rockfall activity due to elevation dependent paraglacial and periglacial processes	Daniel Draebing (U. Bayreuth, U. Utrecht), Till Mayer (U. Bayreuth), Benjamin Jacobs (TU Munich), Samuel T. McColl (Massey U., ZA)
930	945		Glacier retreat and permafrost degradation: How climate change affects high-alpine rockfall dynamics. Insights from long-term rockwall monitoring at the Hohe Tauern Range, Austria	Ingo Hartmeyer (GEORESEARCH, AT), Markus Keuschnig (GEORESEARCH, AT), Robert Delleske (GEORESEARCH, AT), Jan-Christoph Otto (U. Salzburg), Andreas Lang (U. Salzburg), Gerald Valentin (Geological Survey, Salzburg), Michael Krautblatter (TU Munich)
945	1000		News from the backweathering front – interaction of deep deformation and surface activity on a multi-million cubic metre rock slide	Michael Dietze (GFZ Potsdam, U. Bonn), Marcel Fulde (Geo-Inventure, CH)
1000	1015		Recent dynamics and their relationship to internal structures of a high-alpine thrust moraine complex	Julius Kunz (U. Würzburg), Tobias Ullmann (U. Würzburg), Christof Kneisel (U. Würzburg)
1015	1045	*Coffee break*		
1045	1100	*2.1 continued*	Multistage rock-slope failure and lake impact: Scenarios and effects with examples from Lake Oeschinen (Bernese Alps, Switzerland) and Lake Eibsee (Bavarian Alps, Germany)	Sibylle Knapp (TU Munich), Flavio S. Anselmetti (U. Bern), Michael Krautblatter (TU Munich)
1100	1115		Long-term morphodynamics and paraglacial adjustment on LIA lateral moraines in the Eastern Alps	Betz-Nutz, Sarah (Catholic U. Eichstätt-Ingolstadt), Heckmann, Tobias (Catholic U. Eichstätt-Ingolstadt), Haas, Florian (Catholic U. Eichstätt-Ingolstadt), Becht, Michael (Catholic U. Eichstätt-Ingolstadt)
1115	1130		Geomorphological impacts of rapid tourist attraction development in high-mountain settings: A case study of Rainbow Mountain, Andes, Peru	Marek Ewertowski (U. Mickiewicz, PL), Aleksandra Tomczyk (U. Mickiewicz, PL)
1130	1145	*2.2 Coastal geomorphology in a changing climate and environment (A. Vött, U. Mainz; M. May, U. Köln; M. Engel, U. Köln)*	Using single grain luminescence data of modern analogue deposits and drone-derived digital elevation models to infer storm surge-related sediment transport pathways and geomorphic change in washover fans	Simon Matthias May (U. Cologne), Dominik Brill (U. Cologne), John Nikolaus Callow (U. Western Australia, AUS), Dirk Hoffmeister (U. Cologne), Jan-Hendrik May (U. Melbourne, U. Wollongong, AUS)
1145	1200		The mid-Holocene seal-level highstand on the Yellow Sea and Arabian Gulf coast	Barbara Mauz (U. Salzburg, U. Liverpool)

1200	1215	*2.7 Biogeomorphology in a changing climate and environment (J. Eichel, U. Utrecht; A. Larsen, U. Wageningen)*	Biogeomorphology from Space: Assessing the Dynamic Interaction between Hydrogeomorphology and Vegetation along the Naryn River in Kyrgyzstan based on Dense Satellite Imagery Time Series	Florian Betz (Catholic U. Eichstätt-Ingolstadt), Magdalena Lauermann (Catholic U. Eichstätt-Ingolstadt), Gregory Egger (KIT Karlsruhe, Naturraumplanung Egger e.U.), Bernd Cyffka (Catholic U. Eichstätt-Ingolstadt)
1215	1330	*Lunch break*		
1330	1345	*2.3 Fluvial geomorphology in a changing climate and environment (incl. "Gewässermorphologisches Kolloquium") (T. Hoffmann, BfG).*	A set of parameters to quantify the vertical morphodynamics of waterways	Julius Reich (Bundesanstalt für Gewässerkunde), Axel Winterscheid (Bundesanstalt für Gewässerkunde), Thomas Artz (Bundesanstalt für Gewässerkunde), Robert Weiß (Bundesanstalt für Gewässerkunde), Felix Lorenz (Bundesanstalt für Gewässerkunde)
1345	1400		Extreme sediment transport events predominate sediment flux from German upland rivers	Jan Henrik Blöthe (U. Freiburg), Thomas Hoffmann (U. Bonn)
1400	1415		Transient widening of straight river channels with cohesive banks	Andrew D. Wickert (U. Minnesota, US), Jabari C. Jones (U. Minnesota, US), B. Nilay İşcen (U. Minnesota, US), Devon Libby (U. Minnesota, US), Phillip H. Larson (U. Minnesota, US), Katherine R. Barnhart (U. S. Geological Survey)
1415	1430		Functioning of the branched riverbed of the Sukil River (Ukrainian Carphatians) under anthropogenic influence	Nazar Rybak (U. Lviv, UA), Lidiya Dubis (U. Lviv, UA; U. Lublin, PL)
1430	1445		Today's fluvial dynamics of Germany's large navigable rivers and the effects on floodplain ecosystems	Peter J. Horchler (Bundesanstalt für Gewässerkunde), Arnd Weber(Bundesanstalt für Gewässerkunde), Enno Nilson (Bundesanstalt für Gewässerkunde)
1445	1500		The fluvial architecture of buried floodplain sediments of the Weiße Elster River (Germany) revealed by a combination of core drillings with 2D and 3D geophysical measurements	H. von Suchodoletz(U. Leipzig), M. Pohle (UFZ Leipzig), A. Khosravichenar (Max Planck, Evolutionary Anthropology,U. Leipzig), M. Ulrich (U. Leipzig), M. Hein (Max Planck, Evolutionary Anthropology), C. Tinapp (Saxonian Archeological Heritage Office), J. Schultz (Max Planck, Evolutionary Anthropology), H. Ballasus (U. Leipzig), U. Veit (U. Leipzig), P. Ettel (U. Jena), L. Werther (U. Tübingen), C. Zielhofer (U. Leipzig), U. Werban (UFZ Leipzig)
1215	**1230**	***Photo in front of Audimax***		
1230	1330	*Lunch break*		
1530	1545	*2.3 continued*	Sediment deposition in the Urft reservoir, Eifel Mountains, during the last 115 years	Georg Stauch (RWTH Aachen), Alexander Esch (WVER), Lukas Dörwald (RWTH Aachen), Verena Esser (RWTH Aachen), Simone Lechthaler (RWTH Aachen), Frank Lehmkuhl (RWTH Aachen), Philipp Schulte (RWTH Aachen), Janek Walk (RWTH Aachen)
1545	1600		The geometry of stream networks	H.J. Seybold (ETH Zürich), W.R. Berghuis (ETH Zürich), J. Prancevic (ETH Zürich), J. W. Kirchner (ETH Zürich)
1600	1615	*2.8 Human-Environment Interaction in and before the Anthropocene (J. Meister, U. Würzburg; C. Zielhofer, U. Leipzig)*	Footpaths: Pedogenic and geomorphological long-term effects	Nadav Nir (U. Berlin), Mareike Stahlschmidt (Max Plank Institute for Evolutionary Anthropology, Leipzig), Robert Busch (U. Berlin), Brigitta Schütt (U. Berlin), Jacob Hardt (U. Berlin)
1615	1630		Clay-dominated polygenic pedosedimentary sequences as records for Holocene soil and landscape development in context to archeological records: examples from the Windsheimer Bucht, Middle Franconia, Germany	Simon Meyer-Heintze (U. Würzburg), Philipp Schulte (RWTH Aachen), Tom Wolf (U. Würzburg)
1630	1645		On the Way to the Fluvial Anthroposphere – current limits and perspectives of multidisciplinary research	Christoph Zielhofer (U. Leipzig), Lukas Werther (U. Tübingen), Natascha Mehler(U. Tübingen), Gerrit Jasper Schenk (TU Darmstdt)
1700	**1900**	***Poster session in R.2408, R.3404, R.3422***	Poster Session with cold drinks – Programme see below	

20:00 Dinner	*Conference dinner at* *Augustiner Keller, Arnulfstr. 52*	25 min walk from TUM, 10 min walk from central station

Nov 06	R. 0602	*Session Title*	Talk	Authors
810	825	*1.2 DISCUSSION: Deciphering the history of geomorphology: How can a younger generation of geomorphologists profit from the understanding of the history of geomorphology? (W. Haeberli, U. Zürich; S. Harrison, U. Exeter; U. Wardenga, IfL Leipzig)*	Stimulating Talk 2: The evolution of process-centered and quantitative geomorphology since the 1960s	W. Haeberli (U. Zürich)
825	840		Stimulating Talk 3: The anticipation of future topics in geomorphology out of its historic trajectory	S. Harrison (U. Exeter)
840	915		Discussion	
915	930	*2.4 Dryland geomorphology in a changing climate and environment (O. Bubenzer, U. Heidelberg; F. Lehmkuhl, RWTH Aachen).*	The Holocene palaeolake of Tayma – A key site for unravelling palaeoclimate, with implications for Neolithic incursions and "oasisation" on the northern Arabian Peninsula	Max Engel (U. Heidelberg, Geological Survey of Belgium), Ina Neugebauer (GFZ Potsdam, U. Geneva), Samantha Klügl (U. Heidelberg), Anna Pint (U. Jena), Peter Frenzel (U. Jena), Michèle Dinies (DAI; U.Berlin), Nadine Dräger (GFZ Potsdam), Philipp Hoelzmann (U. Berlin), Anja Schwarz (TU Braunschweig), Kim J. Krahn (TU Braunschweig), Gerd Gleixner (Max Planck Institute for Biogeochemistry, Jena), Valerie J. Schwab (Max Planck Institute for Biogeochemistry, Jena), Helmut Brückner (U. Heidelberg)0, Achim Brauer (GFZ Potsdam), Birgit Plessen (GFZ Potsdam)
930	945		Middle Holocene environmental reconstruction and climatic inferences through multi-proxy records from Seymareh lake sediments (Zagros Mts., Iran)	Michele Delchiaro (Sapienza U. Rome); Giulia Iacobucci (Sapienza U. Rome); Francesco Troiani (Sapienza U. Rome); Marta Della Seta (Sapienza U. Rome); Paolo Ballato (Roma Tre U., Rome); Luca Aldega (Sapienza U. Rome); Alexis Licht (CEREGE)
945	1000		*virtual presentation* Soil formation on the limestone plateau of northern Jordan: the role of Late Pleistocene dust storms	Bernhard Lucke (FAU Erlangen-Nürnberg), **Maha Mohammed** (U. Lausanne), Christoph Schmidt (U. Lausanne), Jan Wijbrans (U. Amsterdam)
1000	1015		Spatial distribution of argan-tree influence on soil properties in South Morocco	Mario Kirchhoff (U. Trier), Irene Marzolff (Goethe U.), Tobias Romes (U. Trier), Manuel Seeger (U. Trier), Ali Aït Hssaine (Université Ibn Zohr, Agadir), Johannes B. Ries (U. Trier)
1015	1045	*Coffee break*		
1045	1100	*2.4 continued*	To what extent are Eastern Canarian sediment archives reflecting processes of a changing climate or environment during the Quaternary?	Dominik Faust (TU Dresden), Hans von Suchodoletz (U. Leipzig), Jakob Labahn (TU Dresden), Ludwig Zöller (U. Bayreuth), Thomas Kolb (U. Gießen), Christoph Schmidt (U. Lausanne), Christopher-B. Roettig (TU Dresden)
1100	1115		Erosion-sensitive threshold topography records late Quaternary climate variability in the hyperarid core of the Atacama Desert	Joel Mohren (U. Cologne), Steven Binnie (U. Cologne), Benedikt Ritter (U. Cologne), Damián López (U. Cologne), Tibor Dunai (U. Cologne)
1115	1130		New data on the formation of the enigmatic zebra stripes in the Atacama Desert – a contribution to unravelling key mechanisms and time scales of geomorphic processes under extreme hyperaridity	Simon Matthias May (U. Cologne), Dennis Wolf (U. Cologne), Dominik Brill (U. Cologne), Lucas Ageby (U. Cologne), Dirk Hoffmeister (U. Cologne), Benedikt Ritter (U. Cologne), Steven Binnie (U. Cologne), Michael Dietze (GFZ Potsdam), Olaf Bubenzer (U. Heidelberg)
1130	1145	*3.2 Near surface geophysical methods in geomorphology (J. Buckel, TU Braunschweig; D. Dräbing; U. Bayreuth; M. Dietze, GFZ Potsdam)*	High-Frequency SIP for the Detection and Quantification of subsurface Ice	Jan Mudler (TU Braunschweig), Andreas Hördt (TU Braunschweig)
1145	1200		Simple Inclinometers Yield Insight Into Complex Surface Dynamics At A Fraction Of Cost	Jan Beutel (U. Innsbruck), Alessandro Cicoira (EPFL), Samuel Weber (SLF Davos)
1200	1215		The Reintal observatory: seven years of environmental seismic activity	Anne Schöpa (GFZ Potsdam), Michael Dietze (GFZ Potsdam, U. Bonn), Kristen Cook (GFZ Potsdam), Anne Voigtländer (GFZ Potsdam), Jens Turowski (GFZ Potsdam)
1215	**1230**	***Photo in front of Audimax***		
1230	1330	*Lunch break*		

1330	1345	*3.3 Novel modelling techniques and approaches in geomorphology (W. Schwanghart, U. Potsdam; A. Brenning, U. Jena; R. Ludwig, LMU)*	Modelling the co-evolution of mountain topography and orographic precipitation	Jörg Robl (U. Salzburg), Stefan Hergarten (U. Freiburg)
1345	1400		A General Multiphase Approach for Bed and Lateral Erosion	Shiva P. Pudasaini (TU Munich), Michael Krautblatter (TU Munich)
1400	1415	*3.4 Experimental geomorphology (T. Iserloh, U. Trier; J. Turowski, GFZ; A. Voigtländer, GFZ)*	*virtual presentation* Looking back and stepping forward – On experiments in geomorphology	Manuel Seeger (U. Trier)
1415	1430		Measuring rock moisture using different techniques at an artificial test site and in the field	Oliver Sass (U. Bayreuth)
1430	1445		Physical soil crusts on sandy soils. A possibility to reduce dust emissions from agricultural soils in the Free State, South Africa?	Wolfgang Fister (U. Basel), Heleen C. Vos (U. Basel), Frank D. Eckardt (U. Cape Town), Johanna R. Von Holdt (U. Cape Town), Anthony R. Palmer (Rhodes U., SA), Nikolaus J. Kuhn (U. Basel)
1445	1500		Quantification of dust emissions during characteristic tillage operations on vineyards	Miriam Marzen (U. Trier), Luca Wüstefeld (U. Trier), Johannes B. Ries (U. Trier)
1500	1530	*Coffee break*		
1530	1545	*3.1 Advancing dating, geochemical and biomarker techniques in geomorphology (T. Reimann, U. Köln; R. Zech, U. Jena; M. Fuchs, Helmholtz Institute Freiberg for Resource Technology (HIF); B. Zolitschka, U. Bremen)*	On the potential of infrared-radiofluorescence (IR-RF) for dating Quaternary sediments	Sontag-González, M. (U. Giessen), Fuchs, M. (U. Giessen)
1545	1600		Millennial-timescale terrestrial ecosystem response to Upper Pleistocene climatic changes: New high-resolution record from the Schwalbenberg Loess-Palaeosol-Sequence	Charlotte Prud'homme (U. Lausanne), **Peter Fischer** (Johannes Gutenberg U.), Olaf Jöris (MONREPOS, Neuwied), Christine Hatté (U. Paris-Saclay), Mathias Vinnepand (Johannes Gutenberg U.), Olivier Moine (U. Paris), Andreas Vött (Johannes Gutenberg U.), Kathryn E. Fitzsimmons (U. Tübingen)
1600	1615		Palaeoclimate and provenance signals in Loess-Palaeosol-Sequences (LPS) – multivariate geochemical analyses of the Schwalbenberg LPS in western Central Europe	Mathias Vinnepand (Johannes Gutenberg U.), Peter Fischer (Johannes Gutenberg U.), Carol-Ann Craig (Hutton Institute, Aberdeen), Ulrich Hambach (U. Bayreuth), Christian Zeeden (U. Lausanne), Kathryn Fitzsimmons (Max-Planck-Institute, Mainz), Barry Thornton (Hutton Institute, Aberdeen), Thomas Tütken (Johannes Gutenberg U.), Olaf Jöris (MONREPOS, Neuwied), Sabine Fiedler (Johannes Gutenberg U.), Charlotte Prud'homme (U. Lausanne), Philipp Schulte (RWTH Aachen), Olivier Moine (Centre National de la Recherche Scientifique, Meudon), Zoran Peric (Max-Planck-Institute, Mainz), Frank Lehmkuhl (RWTH Aachen), Wolfgang Schirmer (Wolkenstein), Andreas Vött (Johannes Gutenberg U.)
1615	1630		Advantages of compound-specific isotopes to reconstruct paleohydrological changes at South Africa's southern Cape coast during the Holocene	Paul Strobel (U. Jena), Marcel Bliedtner (U. Jena), Andrew S. Carr (U. Leicester), Nadia du Plessis (U. Cape Town; Nelson Mandela U., SA), Bruno Glaser (U. Halle-Wittenberg), Björn Klaes (U. Trier), Lynne J. Quick (Nelson Mandela U., SA), Gary Salazar (U. Bern), Julian Struck (U. Jena), Sönke Szidat (U. Bern), Michael Zech (TU Dresden), Roland Zech (U. Jena), Torsten Haberzettl (U. Greifswald)
1630	1645		Calcium sulphate-rich wedges in the Atacama Desert as indicators for salt dynamics in the subsurface	Aline Zinelabedin (U. Cologne), Benedikt Ritter (U. Cologne), Richard Albert (U. Frankfurt), Axel Gerdes (U. Frankfurt), Tony Reimann (U. Cologne), Svenja Riedesel (U. Cologne), Tibor J. Dunai (U. Cologne)
1700	**1900**	***Poster session in R.2408, R.3404, R.3422***	Poster Session with cold drinks – Programme see below	

20:00 Dinner	*Conference dinner at* *Augustiner Keller, Arnulfstr. 52*	25 min walk from TUM, 10 min walk from central station

Nov 07	R. 0606	*Session Title*	Talk	Authors
800	810	*1.3 DISCUSSION: Education and communication of geomorphology in a changing climate, environment & society (A. Schöps, JGG Waldkirchen; M. Kaspar, TU Graz; G. Regolini, Bureau d'étude Relief; A. Linsbauer, U. Zürich)*	Stimulating Talk 1: Die Rolle der Geomorphologie an Schulen in Bayern/Deutschland	Andreas Schöps (JGG Waldkirchen)
810	820		Stimulating Talk 2: Immersive Geomorphology – mixed-reality as emerging technology for communicating and conveying geospatial data	Markus Kaspar (TU Graz), D. Scott Kieffer (TU Graz)
820	830		*virtual presentation* Stimulating Talk 3: Geomorphologie für den Unterricht und interessierte Laien auf www.geomorhologie-montagne.ch	Géraldine Regolini (Bureau d'étude Relief), Amandine Perret (Bureau d'étude Relief), Sébastien Morard (Geoazimut)
830	840		*virtual presentation* Stimulating Talk 4: "Expedition2Grad" a VR project on communicating climate change impacts at the Aletsch Glacier	Andreas Linsbauer (U. Zürich)
840	915		Discussion	
915	930	*2.12 Geomorphological hazards and risks (T. Glade, U. Wien; M. Keiler, UIBK)*	Investigating the hydrogeological drivers of a deep-seated landslide - A novel technique to assess probable recharge areas	Jan Pfeiffer (Institute for Interdisciplinary Mountain Research, Austria; U. Innsbruck), Thomas Zieher (Institute for Interdisciplinary Mountain Research, Austria), Jan Schmieder (Institute for Interdisciplinary Mountain Research, Austria, U. Innsbruck), Thom Bogaard (TU Delft), Martin Rutzinger (U. Innsbruck), Christoph Spötl (U. Innsbruck)
930	945		The effects of heavy rain on irreversible crack opening at the large imminent rock slope failure at the Hochvogel (GER/AUT)	Johannes Leinauer (TU Munich), Mari Sachs (TU Munich), Michael Krautblatter (TU Munich)
945	1000		Detection, Tracking, and Potential for Early Warning of Catastrophic Flow Events Using Regional Seismic Networks	Kristen L. Cook (GFZ Potsdam), Rajesh Rekapalli (CSIR-NGRI, Hyderabad), Michael Dietze (GFZ Potsdam, U. Bonn), Marco Pilz (GFZ Potsdam), Simone Cesca (GFZ Potsdam), N. Purnachandra Rao (CSIR-NGRI, Hyderabad), D. Srinagesh (CSIR-NGRI), Himangshu Paul (CSIR-NGRI, Hyderabad), Malte Metz (GFZ Potsdam, U. Potsdam), Prantik Mandal (CSIR-NGRI), G. Suresh (CSIR-NGRI), Fabrice Cotton (GFZ Potsdam, U. Potsdam), V. M. Tiwari (CSIR-NGRI), Niels Hovius (GFZ Potsdam, U. Potsdam)
1000	1015		Limited rise of glacier lake outburst floods despite increased atmospheric warming since the 1970s	Georg Veh (U. Potsdam), Natalie Lützow (U. Potsdam), Varvara Kharlamova (Moscow State U.), Dmitry Petrakov (Moscow State U.), Romain Hugonnet (U. Toulouse, ETH Zuerich) and Oliver Korup (U. Potsdam)
1015	1030		Lahar hazards at Cotopaxi volcano (Ecuador) controlled by volcanic eruptions and glacier retreat	Theresa Frimberger (TU Munich), Michael Krautblatter (TU Munich)
1030	1100	*Coffee break*		
1100	1115	*2.9 Dynamic geomorphology: revealing rates of sediment erosion, transport & deposition over time (M. Marzen, U. Trier; O. Sass, U. Bayreuth; L. Schrott, U. Bonn)*	LiDAR-based inventories neglect a significant share of rockfall activity.	Benjamin Jacobs (TU Munich), Florian Huber (TU Munich), Michael Krautblatter (TU Munich)
1115	1130		The impact of landslide rheology on river damming and sediment trap formation	Anne-Laure Argentin (U. Salzburg), Thomas Hauthaler (U. Salzburg), Jörg Robl (U. Salzburg), Günther Prasicek (U. Salzburg, U. Lausanne), Daniel Hölbling (Z_GIS, Salzburg), Stefan Hergarten (U. Freiburg), Lorena Abad (Z_GIS, Salzburg), Zahra Dabiri (Z_GIS, Salzburg)
1130	1145		Topography, bed roughness and surface sediment characteristics of a proglacial outwash plain derived from UAV-based photogrammetry (Jamtal valley, Austria)	Clemens Hiller (OEAW,U. Innsbruck), Kay Helfricht (OEAW), Florian Haas (CU Eichstätt-Ingolstadt) Stefan Achleitner (U. Innsbruck)
1145	1200		Meander chute cutoff at an alluvial river facilitated by gypsum sinkholes	Schwendel A. C. (St. John U., UK), Cooper A. H. (British Geological Survey)
1200	1215		Hillslope sediment supply limits alluvial valley width	Stefanie Tofelde (U. Potsdam), Aaron Bufe (GFZ Potsdam), Jens M. Turowski (GFZ Potsdam)
1215	1330	*Lunch break*		

1330	1345	*2.10 Deciphering and modelling long-term landscape evolution (E. Dietze, AWI Potsdam; S. Tofelde, U. Potsdam; A. Beer, U. Tübingen).*	Climatic Controls on Erosion Rates: the COOLER project	Peter van der Beek (U. of Potsdam), Maxime Bernard (U. of Potsdam), Cody Colleps (U. of Potsdam), Julien Amalberti (U. of Potsdam)
1345	1400		Exhumation and erosion of the Northern Apennines, Italy: new insights from low-temperature thermochronometers	Erica Erlanger (GFZ Potsdam), Maria Giuditta Fellin (ETH Zuerich), Sean Willett (ETH Züerich)
1400	1415		Drivers of Topography in Fold-thrust Belts: A Perspective from Central Nepal	Paul Eizenöfer (U.Tübingen)
1415	1430		Quantifying drainage-divide migration from orographic rainfall over geologic timescales	Taylor F. Schildgen (GFZ Potsdam,2), Peter van der Beek (U. Potsdam), Mitch D'Arcy (U. British Columbia), Duna Roda-Boluda (Vrije Universiteit), Elizabeth N. Orr (U. Bristol), Hella Wittmann (GFZ Potsdam)
1430	1445		The influence of sediment transport on knickpoints in river profiles	Stefan Hergarten (U. Freiburg)
1445	1500		The effect of climate on landscape evolution in the Chilean Coastal Cordillera	Renee van Dongen (International Centre for Water Resources and Global Change, Koblenz), Dirk Scherler (GFZ Potsdam; Freie Universität Berlin)
1500	1530	*Coffee break*		
1530	1545	*2.10 continued*	Rates of uplift, incision and base-level fall: a punctuated model for strath terrace formation	Jesse R. Zondervan (U. of Plymouth, U. of Oxford), Martin Stokes (U. of Plymouth), Anne E. Mather (U. of Plymouth), Matt W. Telfer (U. of Plymouth), Sarah J. Boulton (U. of Plymouth), Jan-Pieter Buylaert (TU Denmark), Mayank Jain (TU Denmark), Andrew S. Murray (Aarhus U.), Mhamed A. Belfoul (Ibn Zohr U.)
1545	1600		Where and Why Do Submarine Canyons Remain Connected to the Shore During Sea-level Rise? – Insights from Global Topographic Analysis and Bayesian Regression	Anne Bernhardt (U. Berlin), Wolfgang Schwanghart (Potsdam U.)
1600	1615		*virtual presentation* Interglacial landscape adjustment after abrupt climate change in the tropics, Western Sumatra	Sarah Mosser (U. Berlin), Anne Bernhardt (U. Berlin), Mahyar Mohtadi (U. Bremen), Arne Ramisch (GFZ Potsdam), Alexander Rohrmann (U. Berlin), Eva Niedermeyer, Tilmann Schwenk (U. Bremen), Gayatri Marliyani (U. Gadjah Mada)
1615	1630		Evolutionary pathways in soil-landscape evolution models	Marijn van der Meij (U. Cologne)
1630	1645		Does plant growth accelerate silicate weathering?	Friedhelm von Blanckenburg (GFZ Potam), Ralf A. Oeser (GFZ Potam)
1645	1730	*Closing ceremony + awards in R. 0606*		

Nov 07	**R. 0602**	***Session Title***	**Talk**	**Authors**
800	810	*1.4 DISCUSSION: Developing professional profiles for Geomorphology and anticipating future challenges on the job market (H. J. Laimer, ÖBB; M. Keuschnig, Georesearch)*	Stimulating Talk 1: Engineering geomorphology: it is time for a new professional profile in Mid-Europe.	H. J. Laimer (GB Streckenmanagement und Anlagenentwicklung, Geotechnik und Naturgefahrenmanagement, ÖBB-Infrastruktur AG)
810	820		Stimulating Talk 2: Is the market ready for a new profession? Restrictions and Opportunities.	M. Keuschnig (CEO GEORESEARCH, CTO Geoconsult Group)
820	915		Discussion	
915	930	*2.6 Quaternary geomorphological systems in a changing climate and environment (J. Völkel, TUM; G. Rhixon, U. Strasbourg; D. Sauer, U. Göttingen)*	Chronology of Late Pleistocene glacier variations in the southern Black Forest, Germany: First 10Be cosmic-ray exposure ages from moraines	Felix Martin Hofmann (U. Freiburg), Irene Schimmelpfennig, Frank Preusser (U. Freiburg), Georges Aumaître, Didier L. Bourlès, Karim Keddadouche (ASTER Team)
930	945		The Masotcheni Formation: A Late Pleistocene landscape archive in eastern South Africa	Christian Sommer (U. Tübingen; ROCEEH Project / Heidelberg Academy of Sciences and Humanities), Adel Omran (U. Tübingen), Michael Märker (U. Pavia, IT), Volker Hochschild (U. Tübingen)
945	1000		Centennial to millennial-scale periodicities of Holocene climate and environmental dynamics in NW Africa (Lake Sidi Ali, Middle Atlas, Morocco)	Johannes Schmidt (U. Leipzig), Markus Richert (U. Leipzig), Cathleen Kertscher (U. Leipzig), Birgit Schneider (U. Leipzig), Elisabeth Dietze (AWI Potsdam), Rik Tjallingii (GFZ Potsdam), Abdelfattah Benkkadour (Cadi Ayyad U., Marrakech), Abdeslam Mikdad (Institut National des Sciences de l'Archéologie et du Patrimoine, Rabat), Lukas Werther (U. Tübingen), Alexander Bolland (U. Basel), Sylvain Pichat (U. Lyon), William Fletcher (U. Manchester), Steffen Mischke (U. Reykjavík), Christoph Zielhofer (U. Leipzig)

1000	1015		Climate changes and human impact resulted in different geomorphological processes since late Pleistocene in the northern Khangai Mountains, Mongolia	Michael Klinge (U. Göttingen), Manfred Frechen (Leibniz Institute for Applied Geophysics), Daniela Sauer (U. Göttingen)
1015	1030		A retroperspective on 35 years of loess dating and the 35 ky problem, demonstrated on loess from Poland	Ludwig Zöller (U. Bayreuth)
1030	1100	*Coffee break*		
1100	1115	*2.5 Cold regions geomorphology and cryospheric systems in a changing climate and environment (I. Gärtner-Roer, U. Zürich, W. Haeberli, U. Zurich)*	Assessment of permafrost distribution in a high remote mountain range at the Tibetan Plateau	J. Buckel (TU Braunschweig), R. Mäusbacher (U. Jena), A. Hördt (TU Braunschweig)
1115	1130		Topographic and geologic controls on frost weathering in Alpine rockwalls	T. Mayer (U. Bayreuth; TU Munich) & D. Draebing (U. Bayreuth; Utrecht U.)
1130	1145		The Matterhorn Mountain Permafrost Observatory	Jan Beutel (U. Innsbruck), Samuel Weber (SLF Davos), Marcia Phillips (SLF Davos), Paolo Pogliotti(ARPA VdA)
1145	1200		Morphology and Morphometry of fan-shaped landforms in the high-Arctic settings, central Spitsbergen, Svalbard	Tomczyk (Adam Mickiewicz U., Poland) & Ewertowski (Adam Mickiewicz U., Poland)
1200	1215		Dynamics of the southern sector of Baltic Ice Stream Complex, last Scandinavian Ice Sheet, Poland	Izabela Szuman (Adam Mickiewicz U., PL), **Jakub Z. Kalita** (Adam Mickiewicz U., PL), Marek W. Ewertowski (Adam Mickiewicz U., PL), Chris D. Clark 2 Stephen J. Livingstone (U.of Sheffield), Helena Alexanderson (Lund U.), Silke Merchel (Helmholtz-Zentrum Dresden-Rossendorf), Andreas Gaertner (Helmholtz-Zentrum Dresden-Rossendorf), J. Lachner (Helmholtz-Zentrum Dresden-Rossendorf), G. Rugel (Helmholtz-Zentrum Dresden-Rossendorf), Leszek Kasprzak (Adam Mickiewicz U., PL),Mirosława Malinowska-Limanówka (Adam Mickiewicz U., PL), Przemysław Szymura (Adam Mickiewicz U., PL)
1215	1330	*Lunch break*		
1330	1345	*2.11 Linking processes and archives: connectivity and coupled systems (R. Pöppl, U. Wien; J. Blöthe, U. Freiburg)*	*virtual presentation* Complex patterns of schist tor exposure and surface uplift, Otago (New Zealand)	Gerald Raab (U. Zuerich), Adam P. Martin (GNS Science, ZA), Kevin P. Norton (Victoria U., Wellington), Marcus Christl (ETH Zuerich), Fabio Scarciglia (U. Calabria), Markus Egli (U. Zuerich)
1345	1400		*virtual presentation* Pliocene-Holocene river incision and network reorganization at the Dinarides–Hellenides belt driven by slab dynamics and transient post-LGM drainage integration interplay	L. Gemignani (U. Berlin), B. Mittelbach (U. Berlin, ETH Zuerich), A. Rohrmann (U. Berlin), K. Hippe (U. Berlin), A. Bernhardt (U. Berlin), M. R. Handy (U. Berlin)
1400	1415		Coupling runoff generation and streamflow response in a prairie hillslope seep system, Texas	Michael Slattery (Texas Christian U.) and Sharra Blair-Kucera (Texas Christian U.)
1415	1430		Monitoring and Modelling of Soil Moisture in Lower Franconia (Germany)	Julian Krause (Julius-Maximilians-U.-Würzburg), Birgit Terhorst (Julius-Maximilians-U.-Würzburg)
1430	1445		Missing LGM loess in Armenia – Linking fluvial and aeolian systems	Wolf, D. (TU Dresden), Lomax, J. (Justus-Liebig U. Giessen), Wolpert, T. (Justus-Liebig U. Giessen), Suchodoletz, H. von (RWTH Aachen), Profe, J. (Justus-Liebig U. Giessen), Schulte, P. (RWTH Aachen), Hambach, U. (U. Bayreuth), Hovakimyan, H. (National Academy of Sciences of the Republic of Armenia), Sahakyan, L. (National Academy of Sciences of the Republic of Armenia), Fuchs, M. (Justus-Liebig U. Giessen), Faust, D. (TU Dresden)
1445	1500	*2.13 Geomorphological impacts on water, nutrient and carbon cycles (A. Bufe, GFZ; G. Winkler, U. Graz)*	Discharge pattern of rock glacier springs	Kainz, Simon (U. Graz); Wagner, Thomas (U. Graz); Winkler, Gerfried (U. Graz)
1500	1530	*Coffee break*		

1530	1545	*3.5 High-resolution and remote sensing methods to unravel Earth surface dynamics (A. Eltner, U. Dresden, T. Ullmann, U. Würzburg, K. Cook, GFZ)*	Earth's surface is more rugged than Digital Terrain Models suggest	Anne Voigtländer (GFZ potsam), Aljoscha Rheinwalt (U. of Potsdam), Bodo Bookhagen (U. of Potsdam), Stefanie Tofelde (U. of Potsdam)
1545	1600		Mapping snow cover depletion and timing of snowmelt in Arctic periglacial environments: A case study from two tundra sites in Greenland using Sentinel-1 time series	Sebastian Buchelt (U. of Wuerzburg), Kirstine Skov (Aarhus U.) Kerstin Rasmussen (Asiaq, Nuuk, Greenland) Tobias Ullmann (U. of Wuerzburg)
1600	1615		Time-series analysis of optical remote sensing for complex landslide displacements: Sattelkar, Obersulzbach Valley, Austria	Doris Hermle (TU Munich), Michele, Gaeta (NHAZCA S.r.l., Rome), Paolo, Mazzanti (NHAZCA S.r.l., Rome), Markus, Keuschnig (GEORESEARCH, AT), Michael Krautblatter (TU Munich)
1615	1630		Weathering under coastal hyperaridity – Assessing spectral, textural, and gravelometric alluvial fan surface characteristics using high resolution remote sensing	Janek Walk (RWTH Aachen), Melanie Bartz (U. Lausanne), Georg Stauch (RWTH Aachen), Ariane Binnie (U. Cologne), Helmut Brückner (U. Cologne), Frank Lehmkuhl (RWTH Aachen)
1630	1645	*Invited talk on actual topic:*	First report on the July flood event of the Inde River catchment in Northrhine-Westphalia: Fluvial Morphodynamic and sediment pollution of an extreme event	Frank Lehmkuhl (RWTH Aachen), Verena Esser (RWTH Aachen), Philipp Schulte (RWTH Aachen), Stephanie Wolf (RWTH Aachen), Holger Schüttrumpf (RWTH Aachen)
1645	1730	*Closing ceremony + awards in R. 0606*		

Poster	**Room R. 2408, R. 3404, R. 3422**	**Session**	**Poster Title**	**Authors**
2.1.1	R. 2408	2.1 Alpine geomorphology in a changing climate and environment (O. Korup, U. Potsdam; J.-C. Otto, U. Salzburg)	Late Pleistocene deglaciation history of the Patagonian Andes based on lacustrine sediment records from the Chile Chico Plateau (Central Patagonia, Chile)	Carolina Franco (U. Bremen), Antonio Maldonado (CEAZA, Chile), Christian Ohlendorf (U. Bremen), Catalina Gebhardt (AWI, GER), Amalia Nuevo-Delaunay (CIEP, Chile), César Méndez (CIEP, Chile), María Eugenia de Porras (CONICET, Argentina), Bernd Zolitschka (U. Bremen)
2.1.2			Multi-decadal analysis of erosion dynamics on LIA lateral moraines in the central Eastern Alps using the SCA-model	Moritz Altmann (Catholic U. Eichstätt-Ingolstadt), Florian Haas (Catholic U. Eichstätt-Ingolstadt), Jakob Rom (Catholic U. Eichstätt-Ingolstadt), Fabian Fleischer (Catholic U. Eichstätt-Ingolstadt), Tobias Heckmann (Catholic U. Eichstätt-Ingolstadt), Livia Piermattei (U.of Oslo), Madlene Pfeiffer (U. Bremen), Manuel Stark (Catholic U. Eichstätt-Ingolstadt), Sarah Betz-Nutz (Catholic U. Eichstätt-Ingolstadt), Michael Becht (Catholic U. Eichstätt-Ingolstadt)
2.1.3			Testing the performance of ice thickness models to estimate the formation of potential future glacial lakes in Austria	Jan-Christoph Otto (U. Salzburg), Kay Helfricht (ÖAW, Innsbruck), Günther Prasicek (U. Salzburg; U.of Lausanne), Daniel Binder (ZAMG, AT), Markus Keuschnig (GEORESEARCH, AT)
2.1.4			Multi-scale identification of rockfall events in steep terrain areas. Challenges and opportunities from the monitoring program at the Hochvogel - AlpSenseRely.	Natalie Barbosa (LMU Munich), Juilson Jubanski (Reality Maps GmbH), Ulrich Münzer (LMU Munich), Florian Siegert (LMU Munich)
2.1.5			Combining surface characteristics and rock-mechanical properties to identify unstable glacier headwalls on a regional scale	Andreas Ewald (U. Salzburg), Jan-Christoph Otto (U. Salzburg), Christoph von Hagke (U. Salzburg), Andreas Lang (U. Salzburg)
2.1.6			Long-term development of slope-type debris flows in Horlachtal, Austria based on historical and recent data	Jakob Rom (Catholic U. Eichstätt-Ingolstadt), Florian Haas (Catholic U. Eichstätt-Ingolstadt), Tobias Heckmann (Catholic U. Eichstätt-Ingolstadt), Moritz Altmann (Catholic U. Eichstätt-Ingolstadt), Fabian Fleischer (Catholic U. Eichstätt-Ingolstadt), Sarah Betz-Nutz (Catholic U. Eichstätt-Ingolstadt), Camillo Ressl (TU Wien), Michael Becht (Catholic U. Eichstätt-Ingolstadt)
2.1.7			How wet is Alpine rock? Rock moisture measurements at Alpine rock walls in the CLIMROCK project.	Andrew Mitchell (U. Bayreuth) & Oliver Sass (U. Bayreuth)

2.1.8			Towards a global assessment of carbon storage rates in proglacial areas	Arnaud J Temme (Kansas State University)
2.2.1	R. 2408	2.2 Coastal geomorphology in a changing climate and environment (A. Vött, U. Mainz; M. May, U. Köln; M. Engel, U. Köln)	First application of a microfauna-based transfer function to reconstruct Holocene relative sea-level change in the southern North Sea	Juliane Scheder (U. Cologne; Lower Saxony Institute for Historical Coastal Research), Friederike Bungenstock (Lower Saxony Institute for Historical Coastal Research), Kristin Haynert (Marine Research Department, Wilhelmshaven; U. Göttingen), Anna Pint (U. Cologne), Frank Schlütz (Lower Saxony Institute for Historical Coastal Research), Peter Frenzel (U. Jena), Achim Wehrmann (Marine Research Department, Wilhelmshaven), Helmut Brückner (U. Cologne), Max Engel (U. Heidelberg; Royal Belgian Institute of Natural Sciences)
2.2.2			Historical storm frequency on the Shetland Islands (UK) – Insights from lake sediment cores and coastal wave modelling	Katharina Hess (U. Heidelberg), Max Engel (U. Heidelberg; Royal Belgian Institute of Natural Sciences), Tasnim Patel (Royal Belgian Institute of Natural Sciences), Sue Dawson (U. Dundee), Jan Oetjen (RWTH Aachen), Andreas Koutsodendris (U. Heidelberg), Polina Vakhrameeva (U. Heidelberg), Eckehard Klemt (RWU HS Ravensburg-Weingarten), Isa Schön (Royal Belgian Institute of Natural Sciences), (U. Hasselt, BE) & Vanessa M. A. Heyvaert (Royal Belgian Institute of Natural Sciences; Ghent U., BE)
2.3.1	R. 2408	2.3 Fluvial geomorphology in a changing climate and environment (incl. "Gewässermorphologisches Kolloquium") (T. Hoffmann, BfG).	Grain-size distribution and ground properties effects on seismic signals generated by bedload transport	Sophie Lagarde (GFZ Potsdam), Michael Dietze (GFZ Potsdam), Florent Gimbert (U. Grenoble Alpes) , Jonathan B. Laronne (Ben-Gurion U. Negev, Israel), Jens M. Turowski (GFZ Potsdam) , Eran Halfi (Ben-Gurion U. Negev; Dead Sea & Arava Science Center, Israel)
2.3.2			Geomorphology, geochemistry and geochronology to characterize the trajectory of an anthropized hydrosystem from the 19th century to today. Case of the Upper Rhine	Cassandra Euzen (U. Strasbourg), Laurent Schmitt (U. Strasbourg), Valentin Chardon (U. Strasbourg), Gilles Rixhon (U. Strasbourg), (ENGEES, France), Thierry Perrone (U. Strasbourg), Frank Preusser (U. Freiburg), Dominique Badariotti (U. Strasbourg), François Chabaux (U. Strasbourg)
2.3.3			Effect of rock uplift and Milankovitch timescale variations in precipitation and vegetation cover on catchment erosion rates	Hemanti Sharma (U. Tübingen), Todd A Ehlers (U. Tübingen), Christoph Glotzbach (U. Tübingen), Manuel Schmid (U. Tübingen), Katja Tielbörger (U. Tübingen)
2.3.4			Quantitative Analysis of paleo water-discharge from fluvial fill terraces in the Andes	Bastian Loske (U. Potsdam), Taylor F. Schildgen (U. Potsdam; GFZ Potsdam), Stefanie Tofelde (U. Potsdam)
2.3.5			Holocene floodplain evolution at the Central European climate boundary – Fresh insides from the upper Unstrut catchment (NW-Thuringia)	André Kirchner (U. Hildesheim), Jasmin Karaschewski (U. Hildesheim), Philipp Schulte (RWTH Aachen), Tina Wunderlich (U. Kiel), Tobias Lauer (Max Planck Institute for Evolutionary Anthropology)
2.3.6			Realtime seismic sensing of catastrophic floods – Lessons learned from the July events in western Germany	Michael Dietze (GFZ Potsdam; U. Bonn), Thomas Hoffmann (U. Bonn)
2.3.7			Is suspended sediment transport in large German rivers decreasing back to prestine levels?	Thomas Hoffmann (Federal Institut of Hydrology, Koblenz), Stefan Vollmer (Federal Institut of Hydrology, Koblenz), Yannik Baulig (Federal Institut of Hydrology, Koblenz), Jan Blöthe (U. Freiburg)
2.4.1	R. 2408	2.4 Dryland geomorphology in a changing climate and environment (O. Bubenzer, U. Heidelberg; F. Lehmkuhl, RWTH Aachen)	Dunes as indicator of climate change in the deserts of China and Mongolia	Lukas Dörwald (RWTH Aachen), Frank Lehmkuhl (RWTH Aachen), Georg Stauch (RWTH Aachen)
2.4.2			Multi-dimensional survey of complex mega dune forms: Challenges and results from an Erg Chebbi star dune, South-East Morocco	Manuel Herzog (U. Heidelberg), Katharina Anders (U. Heidelberg), Bernhard Höfle (U. Heidelberg), Olaf Bubenzer (U. Heidelberg)
2.4.3			Pedogenesis under coastal hyperaridity – Soil formation since the Middle Pleistocene at Paposo, Atacama Desert, northern Chile	Janek Walk (RWTH Aachen), Christopher Tittmann (RWTH Aachen), Ramona Mörchen (U. Bonn), Xiaolei Sun (Forschungszentrum Jülich GmbH), Melanie Bartz (U. Lausanne), Philipp Schulte (RWTH Aachen), Steven Binnie (U. Cologne), Georg Stauch (RWTH Aachen), Roland Bol (Forschungszentrum Jülich GmbH), Helmut Brückner (U. Cologne), Frank Lehmkuhl (RWTH Aachen)

2.5.1	R. 2408	2.5 Cold regions geomorphology and cryospheric systems in a changing climate and environment (I. Gärtner-Roer, U. Zürich, W. Haeberli, U. Zürich)	Analysing the effects of slope, aspect and solar radiation on Permafrost distribution in the Qugaqie-Basin (Tibetan Plateau)	Johanna Schiffmann (TU Braunschweig), Johannes Buckel (TU Braunschweig), Matthias Bücker (TU Braunschweig)
2.5.2			Multi-decadal rock glacier kinematics analysed by high-resolution topographic data in two catchments of the Central Eastern Alps	Fabian Fleischer (Catholic U. Eichstätt-Ingolstadt), Florian Haas (Catholic U. Eichstätt-Ingolstadt), Livia Piermattei (U. Oslo), Madlene Pfeifer (U. Bremen), Tobias Heckmann (Catholic U. Eichstätt-Ingolstadt), Moritz Altmann (Catholic U. Eichstätt-Ingolstadt), Jakob Rom (Catholic U. Eichstätt-Ingolstadt), Manuel Stark (Catholic U. Eichstätt-Ingolstadt), Michael H. Wimmer (TU Wien), Michael Becht (Catholic U. Eichstätt-Ingolstadt)
2.5.3			Combining a new high-resolution thermo-geophysical permafrost rock model and ERT monitoring to assess permafrost evolution in alpine rock walls (Zugspitze, German/Austrian Alps)	Tanja Schroeder (TU Munich), Michael Krautblatter (TU Munich)
2.5.4			Thermal behaviour and internal changes of a retrogressive thaw slump on Herschel Island (Canada	Saskia Eppinger (TU Munich) & Michael Krautblatter (TU Munich)
2.5.5			Estimating the contribution of degrading permafrost meltwaters to summer runoff from the Kaiserberg rock glacier, Austria	Sabine Kraushaar (U. Wien) & Jan H. Blöthe (U. Freiburg)
2.5.6			Sedimentary Processes and Deposits of the Last Glaciation at the North Sea Fan, Offshore Norway	Garcia, A. M. (Universitetet i Oslo), Bellwald, B. (Volcanic Basin Petroleum Research, Oslo), Midtkandal, I. (Universitetet i Oslo), Anell, I. M. (Universitetet i Oslo), Planke, S. (Universitetet i Oslo, Volcanic Basin Petroleum Research, Oslo), Sternai, P. (Università degli Studi di Milano-Bicocca), Myklebust, R. (TGS, Skøyen)
2.6.1	R. 2408	2.6 Quaternary geomorphological systems in a changing climate and environment (J. Völkel, TUM; G. Rhixon, U. Strasbourg; D. Sauer, U. Göttingen)	A multiple Quaternary deflection of the River Red Main-System - an old problem revisited	Moldenhauer (U. Bayreuth) & Zöller (U. Bayreuth)
2.6.2			Measuring 10Be concentrations in stream sediments from the Vosges Mountains (NE France) to explore the respective role of lithologic, topographic and climatic control on massif-wide denudation	Timothée Jautzy (U. Strasbourg), Gilles Rixhon (U. Strasbourg; ENGEES, FR), Régis Braucher (U. Aix-Marseille), Laurent Schmitt (U. Strasbourg), ASTER Team (U. Aix-Marseille)
2.6.3			Geochemistry and weathering indices of frozen and thawed Yedoma deposits reflect discontinuous sedimentation, increasing mineral weathering, and initial thermokarst processes during the interstadial MIS 3 in Central Yakutia	Mathias Ulrich (U. Leipzig), Birgit Schneider (U. Leipzig), Alexander Fedorov (AWI; U. Potsdam), Loeka L. Jongejans (Siberian Branch Russian Academy of Sciences; North-Eastern Federal U., Russia), Guido Grosse (Siberian Branch Russian Academy of Sciences; North-Eastern Federal U., Russia), Thomas Opel (Siberian Branch Russian Academy of Sciences), Sebastian Wetterich (Siberian Branch Russian Academy of Sciences), Lutz Schirrmeister (Siberian Branch Russian Academy of Sciences), Jens Strauss (Siberian Branch Russian Academy of Sciences)
2.6.4			Deciphering debris flow frequencies in a 4,000 year sediment record based on amphibious investigations from catchment to depocentre in Plansee (Austria, Eastern Alps)	Carolin Kiefer (TU Munich), Patrick Oswald (U. Innsbruck), Jasper Moernaut (U. Innsbruck), Stefano Claudio Fabbri (U. Bern), Christoph Mayr (FAU Erlangen-Nürnberg), Michael Strasser (U. Innsbruck), Michael Krautblatter (TU Munich)
2.7.1	R. 3404	2.7 Biogeomorphology in a changing climate and environment (J. Eichel, U. Utrecht; A. Larsen, U. Wageningen)	Catchment-scale patterns of biotic and abiotic interaction in an alpine glacier foreland analysed with unmanned aerial vehicle base high-resolution data	Stefan Haselberger (U. Wien), Jan-Christoph Otto (U. Salzurg), Ulrich Zangerl (U. Wien), Teja Kattenborn (U. Leipzig), Lisa-Maria Ohler (U. Salzurg; U. Marburg), Robert R. Junker(U. Marburg; U. Salzburg), Sabine Kraushaar (U. Wien)
2.8.1	R. 3404	2.8 Human-Environment Interaction in and before the Anthropocene (J. Meister, U. Würzburg; C. Zielhofer, U. Leipzig)	Geoarchaeological research in the Medjerda Valley (Tunisia) with focus on human – environmental interactions at the transition between Late Antiquity and the Early Medieval Period	Julia Pagels (FU Berlin), Wiebke Bebermeier (FU Berlin), Philipp von Rummel (Deutsches Archäologisches Institut)
2.8.2			Initial soil formation in an artificial river valley - Interplay of anthropogenic landscape shaping and fluvial dynamics	Philipp Schulte (RWTH Aachen), Hendrik Hamacher (RWTH Aachen), Frank Lehmkuhl (RWTH Aachen), Verena Esser (RWTH Aachen)

2.8.3			Mid–late Holocene alluvial dynamics and the interactions with settlement history: insights from two case studies in the Bakırçay plain around the ancient city Pergamon (Aegean Turkey)	Xun Yang (FU Berlin), Fabian Becker (FU Berlin), Moritz Nykamp (FU Berlin), Mehmet Doğan (Ege U., Turkey), Daniel Knitter (CAU Kiel), Brigitta Schütt (FU Berlin)
2.8.4			Floodplains as dynamic spaces of human environmental interactions – a case study from the Weser River in Lower Saxony, Germany	Wiebke Bebermeier (FU Berlin)
2.9.1	R. 3404	2.9 Dynamic geomorphology: revealing rates of sediment erosion, transport & deposition over time (M. Marzen, U. Trier; O. Sass, U. Bayreuth; L. Schrott, U. Bonn)	Geochemical and geophysical indicators for long-range dust inputs into Eastern Mediterranean soils (Crete, Greece) – First results	Fabian Kirsten (Freie Universität Berlin), Jürgen Heinrich (U. Leipzig)
2.9.2			Variability of aggregate stability of diversified steep-slope vineyard soils with high rock fragment content in the Mosel area, Germany	Thomas Iserloh (U. Trier), Paula Hauter (U. Trier), Teresa Benzing (U. Trier), Manuel Seeger (U. Trier)
2.9.3			Biological soil crusts: an underestimated agent for soil erosion control in temperate to humid climates	N. Riveras-Munoz (U. Tübingen), C. Gall (U. Tübingen); T. Scholten (U. Tübingen), S. Seitz (U. Tübingen)
2.9.4			Nested, cross-scale experimental setup to improve soil erosion models	Lea Epple (U. Jena), Andreas Kaiser (District Administration Siegen-Wittgenstein), Anne Bienert (TU Dresden), Marcus Schindewolf (Thuringian State Institute of Agriculture, Jena), Anette Eltner (TU Dresden)
2.10.1	R. 3404	2.10 Deciphering and modelling long-term landscape evolution (E. Dietze, AWI Potsdam; S. Tofelde, U. Potsdam; A. Beer, U. Tübingen)	A reconstruction of fire regime and thermokarst history in Central Yakutia, Russia	Lennart Grimm (AWI), Ramesh Glückler (AWI), Ulrike Herzschuh (AWI; U. Potsdam), Luidmila Pestryakova (North-Eastern Federal U. Yakutsk, Russia), Elisabeth Dietze (AWI, U. Bonn)
2.10.2			The rhythm of fire-vegetation-climate interactions and its impact on north-eastern Siberian landscapes over the past 3.6 Ma	Elisabeth Dietze (AWI; GFZ Potsdam; U. Bonn), Andrei Andreev (AWI; U. Cologne), Kai Mangelsdorf (GFZ Potsdam), Volker Wennrich (U. Cologne), Ulrike Herzschuh (AWI; U. Potsdam)
2.10.3			Modelling the fluvial history of a mesoscale catchment in the Northern Franconian Jura	Bastian Ringleb (U. Giessen), Markus Fuchs (U. Giessen)
2.10.4			The Importance of Autogenic Dynamics in 3D Models of Fluvial Grain Size Fining	Amanda Wild (GFZ Potsdam), Jean Braun (GFZ Potsdam & U. Potsdam), Alex Whittaker (Imperial College London), Sébastien Castelltort (U. Geneva), Charlotte Fillon (Total EP)
2.10.5			What drives formation of young relief in old orogens? – Insights from landscape evolution modelling combined with low T thermochronology data	Fabian Dremel (U. Salzburg), Jörg Robl (U. Salzburg), Christoph von Hagke (U. Salzburg), Kurt Stüwe (U. Graz)
2.10.6			Geomorphometric constraints on the development of the Wutach capture	Wolfgang Schwanghart (U. Potsdam), Andreas Ludwig (NAGRA, CH), Angela Landgraf (NAGRA, CH)
2.11.1	R. 3404	2.11 Linking processes and archives: connectivity and coupled systems (R. Pöppl, U. Wien; J. Blöthe, U. Freiburg)	Estimating functional connectivity from DEMs of difference to evaluate a connectivity index	Sarah Betz-Nutz (Catholic U. Eichstätt-Ingolstadt), Tobias Heckmann (Catholic U. Eichstätt-Ingolstadt), Moritz Altmann (Catholic U. Eichstätt-Ingolstadt), Livia Piermattei (U. Oslo), Jakob Rom (Catholic U. Eichstätt-Ingolstadt), Fabian Fleischer (Catholic U. Eichstätt-Ingolstadt), Florian Haas (Catholic U. Eichstätt-Ingolstadt), Michael Becht (Catholic U. Eichstätt-Ingolstadt)
2.11.2			Network effects in alluvial system responses to environmental change	Fergus McNab (GFZ Potsdam), Taylor Schildgen (GFZ Potsdam; U. Potsdam), Jens Turowski (GFZ Potsdam), Andrew Wickert(U. Minnesota, US)
2.12.1	R. 3404	2.12 Geomorphological hazards and risks (T. Glade, U. Wien; M. Keiler, UIBK)	Development and assessment of a database on hydropower damages in the Himalayan region	Sten Gilfert (U. Potsdam), Wolfgang Schwanghart (U. Potsdam)
2.12.2			Instrumentation and monitoring of the unstable rock slope Stampa in Aurland, Norway	Paula Hilger (Western Norway U.), Thomas Scheiber (Western Norway U.), Stig Frode Samnøy (Western Norway U.), Lene Kristensen (Norwegian Water Resources and Energy Directorate), Helge Henriksen (Western Norway U.) & Michael Dietze (GFZ Potsdam)
2.12.3			Multi-Hazard Hotspot evaluation and monitoring for an integrated disaster risk management in Tehran, Iran	Thomas Kreuzer (U. Würzburg), Christian Büdel (U. Würzburg), Birgit Terhorst (U. Würzburg), Roland Baumhauer (U. Würzburg)
2.13.1	R. 3404	2.13 Geomorphological impacts on water, nutrient and carbon cycles (A.	Erosion and chemical weathering at the supply and kinetic limits	Aaron Bufe (GFZ Potsdam), Jeremy K.C. Rugenstein (Colorado State U.), and Niels Hovius (GFZ Potsdam)

2.13.2		Bufe, GFZ; G. Winkler, U. Graz)	Eroding mountains: a global model of rock organic carbon weathering and CO2 emissions	Jesse R. Zondervan (Durham U.; U. Oxford), Robert G. Hilton (Durham U.; U. Oxford), Mathieu Dellinger (Durham U.), Fiona Clubb (Durham U.), Tobias Roylands (Durham U.), Mateja Ogrič (Durham U.)
3.1.1	R. 3404	3.1 Advancing dating, geochemical and biomarker techniques in geomorphology (T. Reimann, U. Köln; R. Zech, U. Jena; M. Fuchs, Helmholtz Institute Freiberg for Resource Technology (HIF); B. Zolitschka, U. Bremen)	Application of in-situ cosmogenic 10Be in deep tropical soils from Cameroon	Felix Lauer (U. Jena), Maarten Lupker (ETH Zürich), Heinz Veit (U. Bern), Roland Zech (U. Jena), Tobias Sprafke (Kompetenzzentrum Boden)
3.2.1		3.2 Near surface geophysical methods in geomorphology (J. Buckel, TU Braunschweig; D. Dräbing; U. Bayreuth; M. Dietze, GFZ Potsdam)	Relative gravimetry in alpine environments for detection of hydrostatic changes.	Riccardo Scandroglio (TU Munich), Markus Heinze (TU Munich), Roland Pail (TU Munich), Michael Krautblatter (TU Munich)
3.2.2			The use of electrical measurements for the exploration of lake bottom sediments: A case study from karst lakes in southern Mexico	Ruth Glebe (TU Braunschweig), Johannes Hoppenbrock (TU Braunschweig), Adrián Flores Orozco (TU Wien), Jakob Gallistl (TU Wien), Matthias Steiner (TU Wien), Lukas Aigner (TU Wien), Wendy Morales Barrera (Universidad Nacional Autónoma de México), Carlos Pita de la Paz (Geotem Ingeniería S.A. de C.V., Mexico), Emilio García García (Geotem Ingeniería S.A. de C.V., Mexico), José Alberto Razo Pérez (Geotem Ingeniería S.A. de C.V., Mexico), Johannes Buckel (TU Braunschweig), Andreas Hördt (TU Braunschweig), Antje Schwalb (TU Braunschweig), Philipp Hoelzmann (FU Berlin), Matthias Bücker (TU Braunschweig), Liseth Perez (TU Braunschweig)
3.3.1	R. 3422	3.3 Novel modelling techniques and approaches in geomorphology (W. Schwanghart, U. Potsdam; A. Brenning, U. Jena; R. Ludwig, LMU)	Modelling large-scale landform-evolution with a stream-power law for glacial erosion: Benchmarking experiments against a more process based description of ice flow.	Moritz Liebl (U. Salzburg), Jörg Robl (U. Salzburg), Stefan Hergarten (U. Freiburg), Kurt Stüwe (U. Graz), Gerit Gradwohl (U. Graz)
3.4.1	R. 3404	3.4 Experimental geomorphology (T. Iserloh, U. Trier; J. Turowski, GFZ; A. Voigtländer, GFZ)	Subsurface particle transport in steep-slope vineyard soils – First results from a laboratory flume experiment	Laura Kögler (U. Trier), Thomas Iserloh (U. Trier), Alina Helmer (U. Trier), Andreas Ruby (U. Trier), Manuel Seeger (U. Trier), Johannes B. Ries (U. Trier)
3.4.2			A mechanistic model for bedrock abrasion by dry rockfall	Alexander R. Beer (California Institute of Technology; U. Tübingen), Thomas P. Ulizio (California Institute of Technology), ZeweiMa (California Institute of Technology; Zhinghua U., Bejing; U. Illinois), Jade Fischer (California Institute of Technology; Massachusets Institute of Technology), Michael P. Lamb (California Institute of Technology)
3.4.3			The influence of the sediment concentration on fluvial transport of terrestrial organic matter in flume experiments	Louisa Kanis (U. Potsdam), Sophia Dosch (GFZ Potsdam; U. Potsdam), Dirk Sachse (GFZ Potsdam; U. Potsdam)
3.5.1	R. 3422	3.5 High-resolution and remote sensing methods to unravel Earth surface dynamics (A. Eltner, U. Dresden, T. Ullmann, U. Würzburg, K. Cook, GFZ)	Coastal cliff morphology and activity patterns in the Jasmine National Park, Rügen	Benjamin Huxol (GFZ Potsdam; U. Potsdam), Michael Dietze (GFZ Potsdam; U. Bonn), Kristen L. Cook (GFZ Potsdam)
3.5.2			Remote sensing in arid regions – the Orog Nuur basin in southern Mongolia	Georg Stauch (RWTH Aachen), Tobias Ullmann (U. Würzburg)
3.5.3			Potential of DInSAR time series for mapping small-scale periglacial surface dynamics in alpine environments	Sebastian Buchelt (U. Würzburg), Christof Kneisel (U. Würzburg)
3.5.4			Geomorphological analysis of a large landslide using UAV-derived imagery and LiDAR data	Martina Wilde (U. Würzburg)
3.5.5			UAV remote sensing for hydromorphology	Anette Eltner (TU Dresden), Franzi Wolff (U. Eastern Finland), Melanie Elias (TU Dresden), Diana Spieler (TU Dresden), Eliisa Lotsari (U. Eastern Finland; Aalto U.)
3.5.6			Computer Vision-based Change Detection and Citizen Science for the Future of Geomorphology Research	Thomas Y. Chen (Academy for Mathematics, Science, and Engineering)

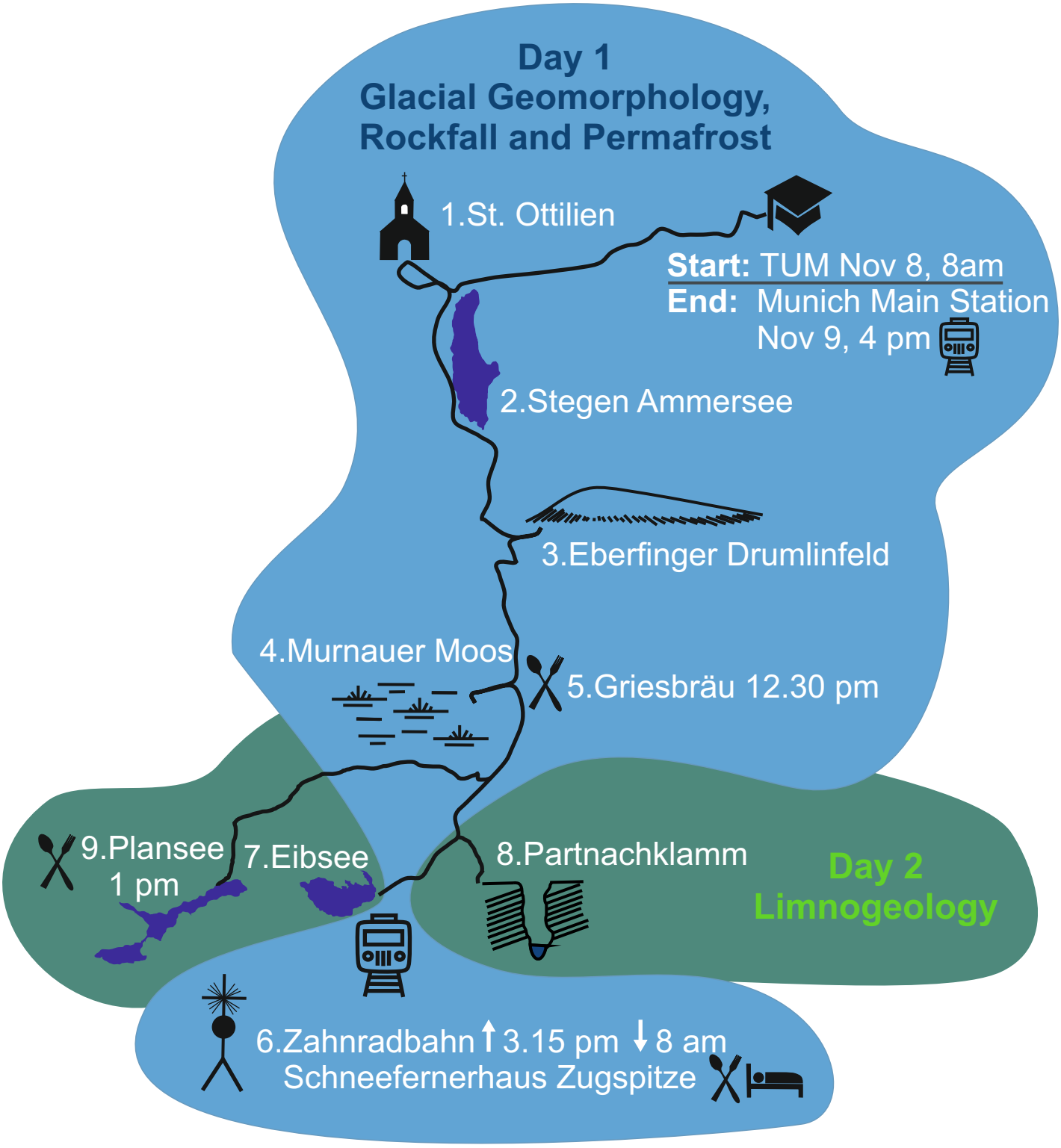
3.5.7			Shadows bring light into the dark – how cast shadows in multi-temporal satellite imagery reveal local changes in glacier thickness	Monika Pfau (U. Potsdam), Georg Veh (U. Potsdam), Wolfgang Schwanghart (U. Potsdam)
3.5.8			Distribution of monogenetic volcanism along the Cameroon Line: statistical investigations	Christoph Schmidt (U. Lausanne), Christian Laag (Université de Paris), Melody Whitehead (Massey U.), Gabor Kereszturi (Massey U.), Jörn Profe (U. Gießen)

Nov 08-09		**Post confrence field trip** *Alpine and glacial geomorphology, Ammersee to Zugspitze*
Nov 08	8:00 a.m.	Start of excursion. Meeting point at TUM main campus, see attached map.
Nov 09	4:00 p.m.	Expected end at Munich central station

Mid-European Geomorphology Meeting

Field trip November 8-9, 2021

TUM Chair of Landslides Research



3G-rules apply for the entire field trip. There is no possibility for testing during the trip.
Please bring your certificate (vaccinated/recovered/tested).
Please bring 130€ in cash plus more for lunches, weatherproof clothes and slippers.
Towels and bedding are provided.
We kindly ask you to e-mail mgm2021.geo@tum.de if you are vegetarian/vegan.
We are looking forward to meet you!