

CENTRAL EUROPEAN
CONFERENCE ON GEOMORPHOLOGY
AND QUATERNARY SCIENCES
GIESSEN SEPTEMBER 2018



JUSTUS-LIEBIG-
 UNIVERSITÄT
GIESSEN



Deutscher Arbeitskreis für
Geomorphologie



CONFERENCE PROGRAM



Contact

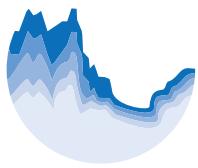
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Christian Hoselmann - HLNUG, Wiesbaden

The Central European Conference on Geomorphology and Quaternary Sciences is taking place from September 23 - 27, 2018 at the University of Giessen, Germany. Host is the Department of Geography.

Draft Conference Program:
Tilmann Wolpert



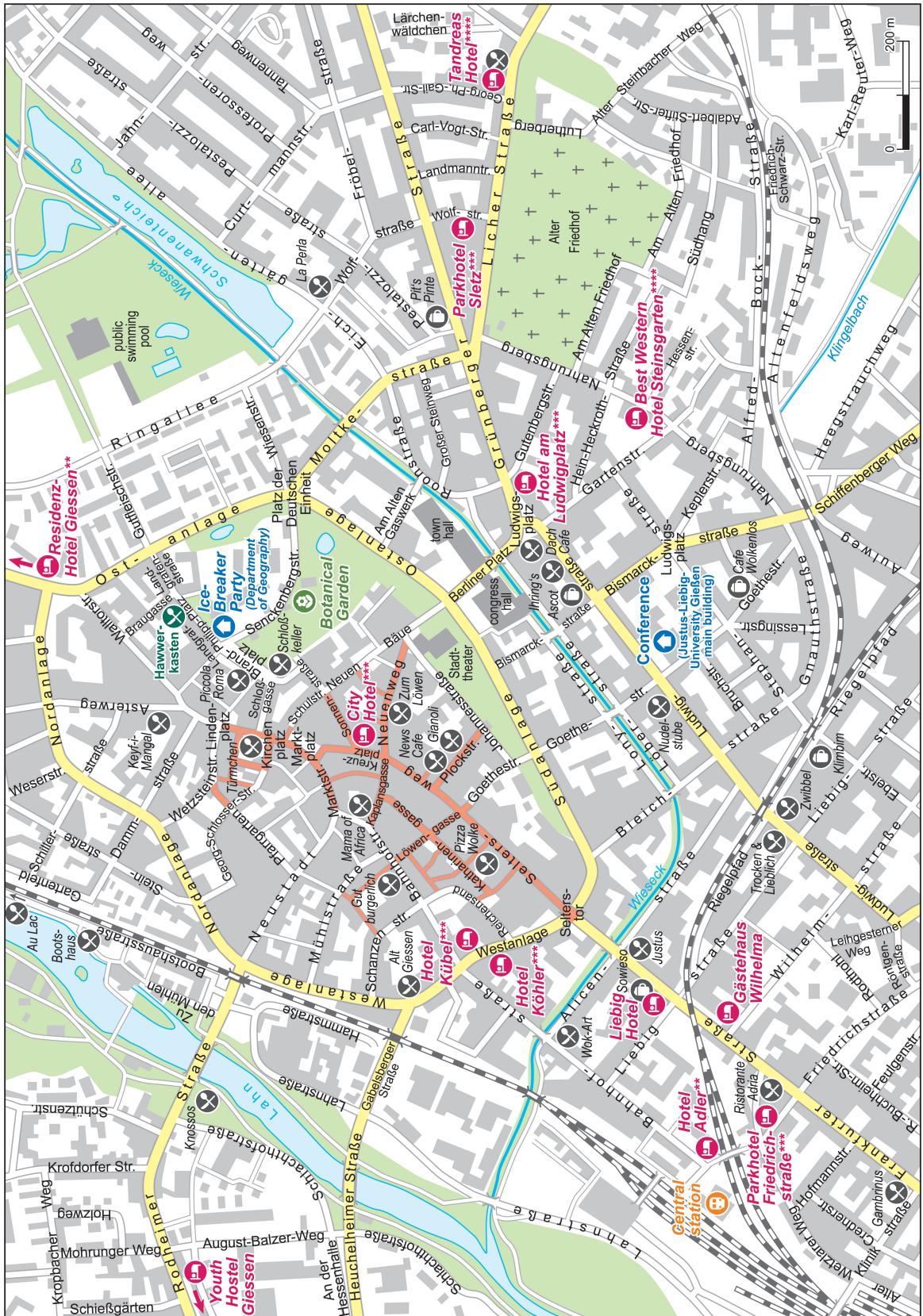
CENTRAL EUROPEAN
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GIESSEN SEPTEMBER 2018

Central European Conference on Geomorphology and Quaternary Sciences

Joint Conference of
the German Working Group on Geomorphology (AK Geomorphologie)
&
the German Quaternary Association (DEUQUA)

Giessen, September 23 - 27, 2018

Conference Program



Central European Conference on Geomorphology and Quaternary Sciences

Central European Conference on Geomorphology and Quaternary Sciences						
Sunday 23.09.18		Monday 24.09.18		Tuesday 25.09.18		
Excursion		Concepts in Geomorphology and Quaternary Sciences (Session 1 - Aula)		High Mountain Geomorphic and Quaternary Research (Session 7 - Aula)		
08:00	Fieldtrip 1/A					
08:30	Opening	08:30 T12: Simon May	08:30 T16: Peter Fischer	08:30 T36: Michael Klinge	Fieldtrip 3/B	
08:50		08:30 T13: Jana Kraut	08:30 T17: Johannes Schmidt	08:50 T37: Anna Schöch	07:30 Fieldtrip 4/C	
09:10	T1: Jim Rose	09:10 T14: Veit Nottebaum	09:18: David Lobj	09:10 T38: Renée van Dongen	Fieldtrip 5/D	
09:30	T2: Ashok Singwi	09:30 T15: Marielle Neyen	09:18: Marcel Lerch	09:30 T39: Oliver Säss		
09:50	Coffee Break			09:50 Coffee Break		
Fluvial Systems (Session 2 - Aula)		Loess as Archive for Quaternary Environments (Session 5a - Aula)		Glacial and Periglacial Systems (Session 8 - Aula)		
10:30	T4: Patrice Wuschner	10:30 T20: Martin Kahl	10:24: Max Engel	10:30 T40: Jan Böhme	Pleistocene Environments (Session 9 - Aula)	
10:50	T5: Julian Struck	10:50 T21: Sascha Meszner	10:25: Bernd Zöltzscheck	10:50 T41: Christopher Lüthgens		
11:10	T6: Laurent Lespez	11:10 T22: Gabriela Barla	10:26: Stefan Dreibrodt	11:10 T42: Felix Hofmann		
11:30	T7: Daniel Wolf	11:30 T23: Christian Zeeden	10:27: Sabylle Knapp	11:30 T43: Martin Margold		
11:50	Lunch Break			11:50 Lunch Break		
12:45	Geo - Associations			12:15 General Meeting AKG		
14:15	Keynote: H. Middelkoop			14:15 Keynote: W. Haeberti		
Insights into Landscape Evolution (Session 3 - Aula)		Weathering, Rock and Slope Failure (Session 6a - Aula)		Geoarchaeology and Human Impact (Session 6b - Room 315)		
15:00	T28: Piotr Mironi	15:00 T28: Jörn Bruthans	15:22: Elisabeth Dietze	15:00 T44: Christoph Mayer		
15:20	T9: Kristen Cook	15:20 T29: Aaron Bufile	15:33: Svetlana Khanmukova	15:20 T45: Stéphane Cocard		
15:40	T10: Stefanie Toelde	15:40 T30: Jürgen Reithner	15:34: Piotr Kitiel	15:40 T46: Olivier Moine		
16:00	T11: Gilles Rixhon	16:00 T31: Michael Kraubatter	15:35: Christian Timapp			
16:20	Coffee Break			16:20 Coffee Break	Awards	
16:50	Guided Tour			17:00 Poster Session 1		
18:00	Ice Breaker			19:30 Conference Dinner		

Conference Program

Sunday, September 23, 2018

08:00 Pre Conference Field Trip / Departure: Neues Schloss, Senckenbergstr. 1

Field Trip 1/A - F. Volker (Giessen) *Giessen and its surrounding: geology and geomorphology*

16:50 Guided Tour: Botanical Garden / Meeting Point: Neues Schloss, Senckenbergstr. 1

18:00 Ice Breaker & Registration / Neues Schloss, Senckenbergstr. 1

Monday, September 24, 2018

08:00 Registration / Conference Venue - JLU Main Building, Ludwigstr. 23

08:30 Opening / Aula

08:50 Session 1 – Concepts in Geomorphology and Quaternary Sciences / Aula / Chair: Lothar Schrott

08:50 T1 - Jim Rose *Geomorphology and Quaternary Science – a beneficial / obligatory interdependence*

09:10 T2 - Ashok Singhvi *Lessons from Quaternary Land-Sea Correlations and their relevance to geomorphology*

09:30 T3 - Frank Lehmkuhl *Loess and sand in Quaternary environments in Eurasia: Distribution and timing*

09:50 Coffee Break / Foyer

10:30 Session 2 – Fluvial Systems / Aula / Chair: André Kirchner

10:30 T4 - Patrice Wuscher *Upper Pleistocene loess, alluvial terraces and fans in the south-western part of the Upper Rhine Graben: distribution, - geomorphology and first elements of chronology*

10:50 T5 - Julian Struck *Alternating phases of soil formation and sedimentation in sediment-paleosol sequences on Pleistocene fluvial terraces of the Mosel River*

11:10 T6 - Laurent Lespez *Fluvial system changes during the last 35 kyr along the Fa-lémé River (Eastern Sénegal): palaeoclimatic and settlement implications*

11:30 T7 - Daniel Wolf *The Holocene fluvial sequence of the Galera River (SE-Spain) – A regional archive in an interregional context*

11:50 Lunch Break / Foyer

12:45 Geo Association Presentations & Presentation New Journal / Aula

Monday (continued)

14:15 Keynote 1 – Hans Middelkoop (Utrecht University) / Aula

The Rhine delta: from upland sediment delivery to a living landscape

15:00 Session 3 – Insights into Landscape Evolution / Aula / Chair: Jens Turowski

15:00	T8 - Piotr Migoń	<i>Towards elucidating morphotectonic structure of the Sudetes mountain range, Bohemian Massif, Central Europe, by looking at geomorphometric signatures</i>
15:20	T9 - Kristen Cook	<i>Insights into bedload transport from seismic data in the Bhote Koshi</i>
15:40	T10 - Stefanie Tofelde	<i>Effects of deep-seated versus shallow hillslope processes on cosmogenic ¹⁰Be concentrations in fluvial sand and gravel</i>
16:00	T11 - Gilles Rixhon	<i>Cosmogenic nuclides and caves: an underestimated tool to unravel Quaternary incision/uplift rates (Ardennian Meuse catchment, E Belgium)</i>

16:20 Coffee Break / Foyer

17:00 Poster Session 1 / Rektorenzimmer

19:00 Evening Lecture – Friedeman Schrenk (Senckenberg, Frankfurt a. M.) / Aula

Human origins: 7 million years of diversity

Tuesday, September 25, 2018

08:30 Session 4a – Arid Zone Environments / Aula / Chair: Ashok Singhvi

08:30	T12 - Simon May	<i>New insights into the variety of zebra (stone) stripes in the Atacama Desert – reconsidering geomorphic processes and (palaeo-)activity</i>
08:50	T13 - Jana Krautz	<i>U-Pb Dating applied to Quaternary cover beds: regional differences, southwestern USA</i>
09:10	T14 - Veit Nottebaum	<i>Landscape evolution in southern Mongolia between climate and tectonic drivers recorded in aeolian, lacustrine and fluvial archives</i>
09:30	T15 - Marielle Neyen	<i>Geomorphological features derived by wavelet-based analysis of high-resolution TanDEM-X digital elevation models at Late Quaternary Paleo-lake Tsodilo, Kalahari, NW Botswana</i>

08:30 Session 4b – Methods and Techniques / Room 315 / Chair: Michael Dietze

08:30	T16 - Peter Fischer	<i>Applying Direct Sensing Techniques and Surface-Based Geophysics in Loess-Stratigraphical Research – A New Approach Towards Geomorphogenetical Landscape Modelling</i>
08:50	T17 - Johannes Schmidt	<i>Shaping pre-modern digital terrain models – the former topography at Charlemagne's canal construction site</i>
09:10	T18 - David Loibl	<i>Assessing surface movement in high-mountain environments with Sentinel-1 data and the open source tool OSARIS</i>
09:30	T19 - Marcel Lerch	<i>Reconstruction of vegetation, climate and human history based on pedological and geoarchaeological investigations of the mesolithic site Ullafelsen, Fotschertal, Austria</i>

Tuesday (continued)

09:50 Coffee Break / Foyer

10:30 Session 5a – Loess as Archive for Quaternary Environments / Aula / Chair: Erzsebet Horvath

10:30	T20 - Martin Kehl	<i>Towards a pedostratigraphy for Late Quaternary loess in Northern Iran</i>
10:50	T21 - Sascha Meszner	<i>Desert Margin Loess in Southern Tunisia</i>
11:10	T22 - Gabriella Barta	<i>Stable carbon and oxygen isotope composition of earthworm biospheroids – Investigation with the application of the combined cluster and discriminant analysis (CCDA) method</i>
11:30	T23 - Christian Zeeden	<i>Stratigraphic interpretations of loess-paleosol sequences and their relevance for loess deposition rates</i>

10:30 Session 5b – Lakes as Archive for Quaternary Environments / Room 315 / Chair: Ingmar Unkel

10:30	T24 - Max Engel	<i>A surprisingly short early Holocene humid spell inferred from remnant shorelines and palaeolake deposits in northern Arabia</i>
10:50	T25 - Bernd Zolitschka	<i>Holocene sediment record from Laguna Azul (southeastern Patagonia, Argentina) reflects Southern Hemispheric Westerly and ENSO-linked climatic variability</i>
11:10	T26 - Stefan Drebrodt	<i>Early Holocene climate oscillations in the terrestrial record of central Europe: Annually laminated lake sediments from Poggensee (northern Germany)</i>
11:30	T27 - Sibylle Knapp	<i>Large rock-slope failures impacting on lakes – Insights from lacustrine and terrestrial deposits Lake Oeschinen (CH), Lake Eibsee (D) and Flims (CH)</i>

11:50 Lunch Break / Foyer

12:15 DEUQUA General Meeting (Members) / Aula

14:15 Keynote 2 – Flavio Anselmetti (University of Bern) / Aula

Subaqueous geomorphology of perialpine lakes: exploring a hidden frontier

15:00 Session 6a – Weathering, Rock and Slope Failure / Aula / Chair: Anne Voigtländer

15:00	T28 - Jiri Bruthans	<i>Origin of cavernous weathering: Effect of case hardening or hydraulic field?</i>
15:20	T29 - Aaron Bufo	<i>The impact of soil and landslide erosion processes on carbonate and silicate weathering in southern Taiwan</i>
15:40	T30 - Jürgen Reitner	<i>Onset and activity of deep-seated gravitational slope deformations since the LGM (Eastern Tyrol, Austria)</i>
16:00	T31 - Michael Krautblatter	<i>Mechanical modelling strategies for warming permafrost rock slopes</i>

15:00 Session 6b – Geoarcheology and Human Impact / Room 315 / Chair: Hans von Suchodoletz

15:00	T32 - Elisabeth Dietze	<i>Holocene fires in the central European lowlands and the role of humans</i>
15:20	T33 - Svetlana Khamnueva	<i>Genesis of anthropogenic landforms in the Viking settlement Hedeby</i>
15:40	T34 - Piotr Kittel	<i>Geomorphological and palaeogeographical situation of the Neolithic pile-dwelling settlement in Serteya (Western Russia)</i>
16:00	T35 - Christian Tinapp	<i>Holocene floodplain evolution in a Middle European loess landscape – Geoarchaeological investigations of the lower Pleißea valley in NW-Saxony</i>

Tuesday (continued)

16:20 Coffee Break / Foyer

17:00 Poster Session 2 / Rektorenzimmer

19:30 Conference Dinner / Rektorenzimmer & Foyer

Wednesday, September 26, 2018

08:30 Session 7 – High Mountain Geomorphic and Quaternary Research / Aula / Chair: Wolfgang Schwanghart

08:30	T36 - Michael Klinge	<i>Fire-induced geomorphological processes in the Khangai Mountains, Mongolia</i>
08:50	T37 - Anna Schoch	<i>Outsize fan evolution – internal structure and influence on the Upper Rhone Valley, Switzerland</i>
09:10	T38 - Renee van Dongen	<i>Grain size-dependent ¹⁰Be concentrations in river sediment: Why they matter in high mountain landscapes</i>
09:30	T39 - Oliver Sasse	<i>Will climate change increase sediment yields of alpine torrential catchments</i>

09:50 Coffee Break / Foyer

10:30 Session 8 – Glacial and Periglacial Systems / Aula / Chair: Stefan Winkler

10:30	T40 - Jan Blöthe	<i>Recent dynamics of ice-debris landforms in the central Andes of Argentina</i>
10:50	T41 - Christopher Lüthgens	<i>Constraining the onset, climax and decay of the LGM in the Drau Glacier area</i>
11:10	T42 - Felix Hofmann	<i>Late Glacial and Early Holocene glacier fluctuations in the southern Écrins massif (French Alps)</i>
11:30	T43 - Martin Margold	<i>Northern Hemisphere ice-sheet extent for the last 2.6 Ma and implications for global sea levels</i>

11:50 Lunch Break / Foyer

12:15 AK Geomorphologie General Meeting (Members) / Aula

14:15 Keynote 3 – Wilfried Haeberli (University of Zurich) / Aula

Modelling future surface topographies and land forming processes in deglaciating areas - an emerging research field

15:00 Session 9 – Pleistocene Environments / Aula / Chair: Bernhard Salcher

15:00	T44 - Christoph Mayr	<i>Environmental conditions during the Middle Würmian in the northern Alps reflected in the Nesseltalgraben record (Germany)</i>
15:20	T45 - Stephane Cordier	<i>New insights into the fluvial terrace stratigraphy in the Moselle catchment and surrounding areas: revisiting the “main” terraces paradigm and constraints for Quaternary uplift</i>
15:40	T46 - Olivier Moine	<i>Last glacial intra-interstadial palaeoenvironmental changes evidenced by the molluscan record of the Gravettian site of Amiens-Renancourt 1 (France)</i>

Wednesday (continued)

16:20 Awards / Aula

17:00 End of Conference

Thursday, September 27, 2018

07:30 Post Conference Field Trips / Departure: Neues Schloss, Senckenbergstr. 1

Field Trip 3/B	M. Fuchs (Giessen) J. Lomax (Giessen) D. Sauer (Goettingen)	<i>Quaternary environments of Giessen and its surrounding</i>
Field Trip 4/C	C. Hoselmann (Wiesbaden) G. Radtke (Wiesbaden) T. Laupenmühlen (Wiesbaden) J. Bohatý (Wiesbaden) G. Weber (Dietzenbach) M. Weidenfeller (Mainz)	<i>Fluviatile und äolische Ablagerungen im Rhein-Main-Gebiet</i>
Field Trip 5/D	P. Felix-Henningsen (Giessen)	<i>Mesozoic-Tertiary weathering mantle and Pleistocene periglacial slope deposits in the Hintertaunus mountainous region</i>

List of Posters

Poster Session 1

Monday, September 24, 2018 / 17:00 - 19:00 / Rektorenzimmer

P1.2 - Sipos et al.: Exploring potential Late Pleistocene linkages between different geomorphological domains in the SE Carpathian Basin

P1.3 - Voigtländer et al.: Sandy experiments highlight geomorphological stress control

P1.4 - Winkler: Imperative for connecting disciplines - demonstrated by using the example of Irishman Stream valley head, Ben Ohau Range, New Zealand

P2.1 - de Oliveira et al.: GPR stratigraphy, planation surfaces and incision rates in a semiarid watershed: the Pedra Branca valley in the Serra da Capivara National Park, northeastern Brazil

P2.2 - Krauß et al.: Towards reconstructing Holocene river development of the Tsauchab River (Namibia) based on fluvial archives

P2.3 - Liro: Riparian vegetation changes in the fluctuating backwater zone upstream from a dam reservoir: the case of a gravel-bed Carpathian stream

P2.4 - Mencin Gale et al.: Geomorphic analysis of the Plio-Quaternary terrace staircase as a stratigraphic tool in intramontane Slovenj Gradec and Nazarje Basins, southeastern Alpine foreland

P2.5 - Mikuś et al.: Island development in a mountain river subjected to restoration: the Raba River, Polish Carpathians

P2.6 - Persoiu et al.: Climatic and tectonic controllers on the evolution of rivers in the Carpathian Mountains during the past 60,000 years

P2.7 - Preuss: Ergebnisse der Untersuchung von Flussterrassen im Mittelrheintal und Verknüpfung mit Sedimenten im Rheingraben

P2.8 - Tóth et al.: Formation and age of floodplain surfaces along the Danube in Southern Hungary

P2.9 - von Suchodoletz et al.: Imprints of Rapid Climate Changes and human activity on Holocene hydro-sedimentary dynamics in Central Europe (loess-covered Weiße Elster model region) – project outline and first geomorphological results

P2.10 - von Suchodoletz et al.: A combined geophysical, sedimentological and topographical approach to investigate the distribution of floodplain sediments in the Weiße Elster Valley near Zeitz/Saxony-Anhalt

P2.12 - Moldenhauer: New findings on the evolution of the Red Main River valley in Northern Bavaria, Germany

P2.13 - Khosravichesar et al.: Assessing the late Quaternary sediment dynamics of an alluvial fan system in a tectonically active region – the example of the Binalud fan in northeastern Iran

P3.1 - Bittmann et al.: The Wadden Sea: archive of landscape evolution, climate change and settlement history- the joint project WASA

P3.2 - Dabkowski et al.: A 'real' tufa sequence in Morocco: stratigraphy, micromorphology and perspectives for palaeo-environmental and palaeoclimatic reconstructions during the Middle Holocene at Aït Said ou Idder (Middle Atlas)

P3.3 - Dabkowski et al.: Climate or human impact? Holocene environments in the White Carpathians: a multi-sequence and multidisciplinary approach (including geochemistry, sedimentology and malacology) on Mituchovci and Tlstá hora tufas in Western Slovakia

P3.4 - Dieleman et al.: Isochron-burial dating of Swiss Deckenschotter

P3.5 - Engel et al.: Reef-top platform coral boulders of Eastern Samar demonstrate the long-term coastal hazard of extreme waves

P3.6 - Escalante et al.: Quaternary deformation in the Payogasta-Palermo area, Calchaquí Valley, Eastern Cordillera, NW Argentina.

P3.7 - Granai et al.: The Holocene palaeoenvironmental developments at Direndeall (Luxemburg) inferred from molluscan succession: timing and causes of variations

P3.8 - Obrocki et al.: Tracing tsunami signatures of the AD 551 and AD 1303 tsunamis at the Gulf of Kyparissia (Peloponnese, Greece) using Direct Push in situ sensing techniques combined with geophysical studies

P3.9 - Prud'homme et al.: Aridification of Central Asia: palaeomagnetism and stable isotope analysis on pedogenic carbonates from the Charyn Canyon sequence, Kazakhstan.

P3.10 - Schneider et al.: Patterns of forest patches in central Mongolia: role of the causal chain relief - sediment distribution - soils - present vegetation

P3.11 - Sprafke et al.: Constraining the evolution of thick tropical soils using luminescence dating

P3.12 - Völkel et al.: Holocene Landscape Dynamics in the Ammer Rv. Catchment (Bavarian Alps) - influence of extreme events and land use on soil erosion using peat bogs as geoarchives

P3.13 - von Scheffer et al.: From prehistory to modern times: the roles of climate and anthropogenic factors in landscape and environmental change in the northern Central Alps (Kleinwalsertal, Austria)

P3.14 - Walk et al.: The Guanillos fan complex - implications for the morphogenesis of Atacama's coastal alluvial fans

P4b.1 - Bartzik et al.: Quartz luminescence sensitivity as a potential tool in the reconstruction of alluvial processes in the Pannonian Basin

P4b.2 - Biermanns: Settling velocity of dust in the atmosphere: calculations

P4b.3 - Dietze et al.: Peeping below the ice – seismic probing of water flow and sediment flux in a frozen Scandinavian river

P4b.4 - Dost et al.: Sensor technology for in-situ measurements of stone movement

P4b.5 - Engel et al.: Metagenomics of tsunami deposits

P4b.7 - González et al.: Geologisches Strukturmodell der Elbe-Weser-Region zwischen Cuxhaven und Stade

P4b.8 - Grube: Sedimentstrukturen mit Hinweis auf neotektonische Bewegungen und stärkere Erdbeben in Hamburg

P4b.9 - Heckmann et al.: Analysis of sediment yield and delivery using historical digital elevation models

P4b.10 - Herzog et al.: Electrical Resistivity Tomography and Forward Modelling in Hyper-arid Environments - A Case Study in Erg Chebbi, Morocco

P4b.11 - Kraushaar et al.: The potential of Phytoliths as Process Tracer in Geomorphology

P4b.12 - Lehné et al.: Einsatz von multikoptergestützten Sensoren zur Detektion und Dokumentation geologischer Phänomene – Fallbeispiele aus Island und Deutschland

P4b.13 - Mamot et al.: A combined thermal-mechanical failure model for a degrading permafrost rock slope at the Zugspitze (Germany) based on laboratory and field data

P4b.14 - Marzen et al.: Rain and Wind - an experimental approach to compare their relative impact on soil erosion rates

P4b.15 - Migoń et al.: Sandstone erosional topography - geomorphometric approach

P4b.16 - Reimann et al.: Rates of Holocene soil redistribution in an agrarian kettle hole quantified by OSL and Bayesian age modelling

P4b.17 - Říhošek et al.: Parallelization of numerical and physical modeling of erosion

P4b.18 - Schmidt et al.: Does the morphometry of scoria cones relate to their age? - Results from the Cameroon Volcanic Line

P4b.19 - Ullmann et al.: Detection and Modelling of Fluvial Events in (Semi-)Arid Environment by Means of Sentinel-1 Synthetic Aperture Radar (SAR) Time Series and TanDEM-X Digital Elevation Model

P4b.21 - Végh et al.: Study of surface development and valley geomorphology by multivariate data analysis

P4b.22 - Völlmer et al.: Minimal-invasive exploration of the subsurface – direct push sensing in alluvial settings

P4b.23 - Wachecka-Kotkowska et al.: Cluster analysis of Marine Isotope Stages from the Last Million Years against the LR04 stack with use of DTW algorithm

P6a.1 - Dietrich et al.: Revealing controls for debris-flows erosion derived from a calibrated numerical one-phase model (Roßbichelbach, Germany)

P6a.2 - Götz et al.: The complex landslide system at Khingar/Jharkot (Nepal) revisited - delineation, recent dynamics and human impact

P6a.3 - Hartvich et al.: The complex DSGSD site Čeřeněště as a natural laboratory for landslide activity monitoring

P6a.4 - Kapustová et al.: Uneven spatial distribution of postglacial DSGSDs in Tatra Mountains (Western Carpathians): influence of the long-term exhumation

P6a.5 - Krause et al.: Dynamic slope processes in Variscian mid-mountains: today and the past on the example of the Sudetes Mts.

P6a.6 - Leinauer et al.: Process dynamics and early warning strategies for a preparing high-magnitude rock slope failure at the Hochvogel (Allgäu Alps)

P6a.7 - Wilde et al.: Landslide formation in volcanic areas: triggers, causes, dynamics

P6a.8 - Hunt et al.: Chemical Weathering, Hydrologic Fluxes, and Soil Formation

P7.1 - Haselberger et al.: Quantification of vegetation dependend small scale erosion processes in an alpine environment: Method evaluation

P7.2 - Kock et al.: Geomorphodynamics of the western Chilean Central Andes (27°S) during the last 1800 cal yr. BP as recorded in a high-Andean cushion peatland

P7.3 - Raab et al.: Syneruptive and climatically induced lahars at Cotopaxi volcano, Ecuador

P7.4 - Schwanghart et al.: Low-elevation moraines in the Nepal Himalayas reflect variable rates of avalanching

P7.5 - Veh et al.: Outburst hazards of meltwater lakes in ice-free Himalayas

P8.1 - Braumann et al.: Glacier Change in the Silvretta region, Austrian Alps - Holocene reconstructions, historical records and modern observations

P8.2 - Buckel et al.: Analyzing sediment fluxes and storages under a special climate setting in the periglacial environment of the Quaqiaq basin

P8.4 - Jacobs et al.: Can Lateglacial / Holocene permafrost dynamics explain lag-times between fjord deglaciation and massive rock slope failures?: A coupled thermal-mechanical model.

P8.5 - Kamleitner et al.: Timing and extent of LGM glaciers North and South of the Alps

P8.6 - Marr et al.: Deglaciation dynamics following the Last Glacial Maximum along an east-west transect in southern Norway

P8.8 - Schroeder et al.: Linking ERT to rock temperature in permafrost rock walls - One decade of permafrost monitoring at the Zugspitze (Germany/Austria)

P8.9 - Sirbu et al.: The evolution of ground surface temperature of rock glaciers in Retezat Mountains (Romania) in relation with air temperature and snow cover

P8.10 - Zielhofer et al.: Hydro-climatic consequences of Holocene North Atlantic ice-rafting events (Bond events) in the Western Mediterranean

Poster Session 2

Tuesday, September 25, 2018 / 17:00 - 19:00 / Rektorenzimmer

P4a.1 - Engel et al.: Anthropogenic and environmental controls of barchan dune dynamics in Qatar

P4a.2 - GraBl et al.: Near-surface playa sediments in the Naukluft Mountains foreland basin (Namibia): geochemical and mineralogical analysis using XRF and XRD

P4a.3 - Kirchhoff et al.: Land use in the Souss region, South Morocco and its influence on wadi dynamics

P4a.4 - Klasen et al.: Chronology and sedimentology of playa deposits in the vicinity of the archaeological site Sodemein cave (Eastern Desert of Egypt)

P4a.6 - May et al.: Increased hillslope activity in the hyper-arid core of the Atacama during the Pleistocene - evidence for palaeo-climatic fluctuations

P4a.7 - Rahimzadeh et al.: OSL-based chronology of sand dunes in Golestan Province, Northern Iran with implications on Late Pleistocene-Early Holocene history of the Caspian Sea

P4a.8 - Roettig et al.: Palaeosurfaces separating dune generations of northern Fuerteventura

P4a.9 - Fister et al.: Dust emission from croplands in the Free State, South Africa

P4a.10 - Dunai et al.: Earth - Evolution at the dry limit

P4a.11 - Eltner et al.: Measuring hydro-morphological parameters with a low-cost camera gauge and an unmanned water vehicle

P5a.1 - Bösken et al.: Loess distribution and related Quaternary sediments in the Carpathian Basin

P5a.2 - Jary et al.: Periglacial phenomena within Late Pleistocene loess-soil sequences in Poland and western part of Ukraine

P5a.4 - Kreutzer et al.: The Mousterian Loess Sequence La Combette (France): Chronological Evidence of Rapid Environmental Changes in the MIS 4/3 Transition

P5a.5 - Lanczont et al.: The Zadariv site as a key loess section to solving the problem of Pleistocene relief evolution in the Opillia Upland (Ukraine)

P5a.6 - Leceta Gobitz et al.: Pedological and mineralogical investigations on a loess-palaeosoil sequence within the Andean shrubland and Puna grassland steppe of the Peruvian Cordillera Occidental (region Laramate, 14.5s)

P5a.7 - Novothny et al.: Paleoclimate implications from grain-size analysis of loess-paleosol sequences from the Carpathian Basin

P5a.8 - Novothny et al.: Reinvestigation of the chronostratigraphical position and origin of Bag Tephra, an important Middle Pleistocene marker horizon in the Carpathian Basin

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