

Report of the 11th International Young Geomorphologists' Workshop, Ammersee, May 19-21, 2017

The German Young Geomorphologists (YG) conducted the 11th International Young Geomorphologists' Workshop at the Ammersee from May 19-21, 2017. 57 German and international guests from Austria, Italy, Poland, and Switzerland gathered close to Herrsching for a three-day workshop. The list of attendees comprised undergraduate, graduate and PhD students as well as postdocs from 21 different universities and institutions. The focus was to present and discuss own research and general geomorphological topics in a rather informal and friendly environment.

The main frame of the program consisted of two blocks of oral presentations, two poster sessions, one keynote, and an excursion (see detailed program attached). The sessions for oral presentations were organized as follows:

Session I: "Landslides and Loess" featuring talks by Gabriele Amato (Roma Tre University), Katarzyna Luszczyńska (University of Silesia in Katowice), Jörn Profe (University of Bremen)

Session II: "(High) Mountain geomorphology" featuring talks by Julian Trappe (University of Würzburg), Christina Hauck (University of Vienna), Sarah Kamleitner (University of Vienna), Johannes Buckel (University of Salzburg)

Proceedings

The program started with a short introduction of the group of Young Geomorphologists and the participants shortly introduced themselves. The attendees could continue to get to know each other during dinner. Then the first session of oral presentations took place. Afterwards, the persons responsible for the individual posters were asked to advertise their work with one slide in a limited time of 30 seconds (for further details on the broad selection of topics see program in the attachment). This was followed by the actual poster session, which was open ended, so that discussion kept on going far into the night.

Saturday began with the **keynote** presentation of **Dr. Wolfgang Schwanghart (University of Potsdam)** entitled **"Models, parameters, and the unknown unknowns – issues in Landscape Evolution Modelling"**. After lunch, **Prof. Dr. Michael Krautblatter (Technical University of Munich)** gave a short introduction into the glacially formed landscape of the surrounding of the Ammersee. He then led an **excursion to the monastery of Andechs**, where the participants could observe the geomorphological forms (drumlins, moraine ridges, etc.) which were left by the Würmian glaciation in the field. The trip also provided the opportunity for further discussion and networking. One key aspect of the following general assembly of the German Young Geomorphologists was the election (held every two years) of

the chairpersons and a support team of further young scientists. The evening ended with the continuation of the successful poster session.

On Sunday the program started with a change in the agenda. The first topic “Q&A 10 years later – open discussion with the “older” Young Geomorphologists” were convened by the organizing team of the YG. There was an open discussion where the young scientists could ask former founders and speakers of the YG (Dr. Sabine Kraushaar, Prof. Michael Krautblatter, Dr. Wolfgang Schwanghart) as well as a regular participant of the annual meetings and long-time support team member (Dr. David Morche) about their intentions on founding the group, the development of the group and perspectives on science. Important topics were early career planning, family (planning) and the increasing demands made on (young) scientists. The second part of the last meeting-day was the Session II: “(High) Mountain geomorphology” featuring oral talks by five participants.

The meeting ended with an evaluation of the conference (see feedback).





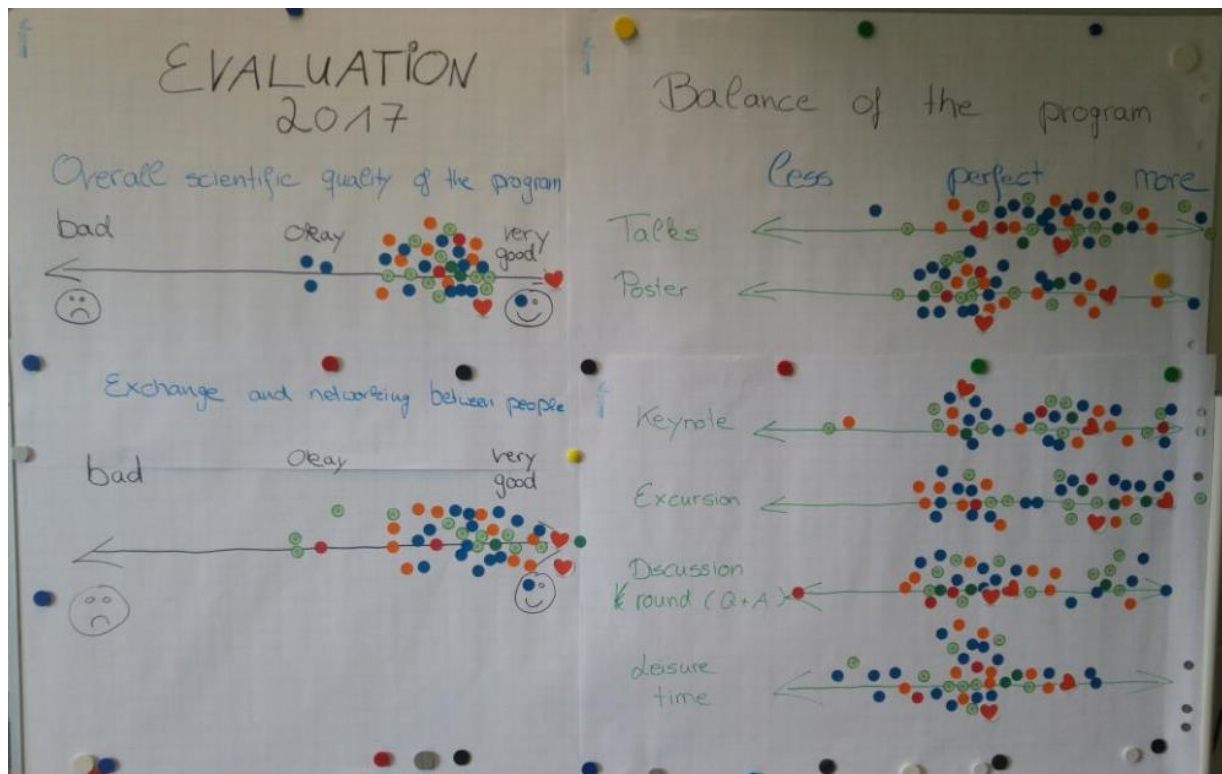
General points

On Saturday evening three chairpersons and a support team of six young geomorphologists were elected: Julia Meister (FU Berlin, reelected), Christian Halla (University of Bonn) and Anna Schoch (University of Bonn) will chair the YG for a two-year period until the 2019 meeting. They are supported by Johannes Buckel (University of Salzburg), Jasmin Karaschewski (University of Hildesheim), Simon Meyer-Heintze (University of Würzburg), Anne Schuchardt (University of Halle), Philipp Schulte (University of Aachen), and Anne Voigtländer (Technical University of Munich) in the upcoming tasks.

Jun.-Prof. Dr. André Kirchner (University of Hildesheim) will organize the 12th international meeting of the German Young Geomorphologists group. It will take place near Hildesheim from May 25-27, 2018.

The YG group is thankful for the financial support of the German Working Group on Geomorphology (AK Geomorphologie) and sponsoring companies (see attached) which makes it possible to run a Young Geomorphologists' meeting every year affordable for young scientists. We also thank Anna Schoch (University of Bonn) for handling participant communication. We would like to specially thank Dr. Wolfgang Schwanghart for the excellent keynote presentation, Prof. Michael Krautblatter for guiding the great excursion, as well as Dr. Sabine Kraushaar and Dr. David Morche for sharing their experience. Finally, we would like to thank Jan Blöthe (University of Bonn) for his commitment, effort and excellent work during the last four years as chairperson of the YG.

Feedback



Overall, the feedback for the meeting was very positive, however participants would like to have more time for scientific presentations and discussions in general (talks, posters, keynote and excursion).

Thus, the group discussed if the meeting should be prolonged for one more day. This extra day could include an additional excursion or a workshop. However, aside from having enhanced scientific input, this is problematic because additional costs would have to be covered due to board and lodge. In addition, it would mean one more day of absence at the attendees' affiliation. If one day was skipped by certain participants this would have a negative effect on group dynamics (e.g. missing out the casual introduction or the get-together party).

Besides the usual oral presentation (15 minutes of talk plus 5 minutes of discussion) Prof. Michael Krautblatter suggested to introduce so-called "spotlight presentations". This means that a talk of 5 minutes, in which individual scientific problems are presented, is followed by a discussion of 10 to 15 minutes. This would shift the focus from presenting finished work to collecting ideas for problem solving. Partly, the talks at Sunday were presented as spotlight presentations and it seems a highly promising way to point out own scientific problems and get feedback and solutions.

Concerning the excursion the group demanded to have a combination of a field trip and a methodological workshop. This year's meeting had close to 60 participants. Therefore, in the case of workshops at the excursion, it would be necessary to split the group and have different "workshop stops" in rotation so that everyone can get to know the specific offered methodology.

The poster session were carried out on two evenings with no change in terms of content. The posters stay on the boards the whole meeting. The advantage is a time-independent opportunity to read and to discuss the presented topics. It was discussed to split up the poster session in two content-dependent parts, like the orals, to get new topics on the second evening.

This year, the program started with a delay, so that the introductory games could not run in the usual manner. Therefore, the program on the first day should be kept short to have enough time as getting to know the group is an important for the participants.

Kind regards

Johannes Buckel, Christian Halla, Jasmin Karaschewski, Julia Meister, Simon Meyer-Heintze, Anna Schoch, Anne Schuchardt, Philipp Schulte, Anne Voigtländer

PROGRAM

Friday, 19/05/2017

16:00 Arrival

17:00 Get to know the program and the group

Let's learn some names and share a drink

18:00 Dinner

19:20 Session I: "Landslides and Loess" Convener: Jan Blöthe

You have 20 minutes for your topic, so make your talk short and to the point and have plenty of time for discussion!

19:20 *Gabriele Amato* (Roma Tre University): PSInSAR time series analysis to characterize the San Vito Romano rockslide (Central Italy).

19:40 *Katarzyna Luszczyńska* (University of Silesia in Katowice): Mapping landslide activity and hazard from tree rings (Western Carpathians, Poland).

20:00 *Jörn Profe* (University of Bremen): Chemostratigraphy of the loess-paleosol sequence Süttö (Hungary) based on unsupervised clustering of X-ray fluorescence data.

20:20 Late night shorts ("30 second madness") and poster session – Convener: Philipp Schulte

You have 30 SECONDS to present your topic on one slide. After the short introductions we'll continue discussing the posters with some cool drinks.

Lorenz Banzer (University of Bonn): Active layer variability of an active rock glacier complex in the Argentinean Andes.

Fabian Becker (FU Berlin): Compositional data analysis of the environmental impact of pre-industrial iron smelting on Elba Island.

Heidi Bernsteiner (University of Salzburg): Postglacial evolution and recent siltation of the protected lake "Taferlklaussee" (Austria).

Giuseppe Corrado (Università di Napoli "Parthenope"): Morphometric analysis of fault scarps from the Alburni Massif; southern Italy.

Robert Delleske (Georesearch Forschungsgesellschaft GmbH): Meeting the Challenges of UAS Flight Planning in High Alpine Environments.

Julius Isigkeit (University of Bonn): Geomorphology of the Morenas Coloradas rock glacier complex, semi-arid Andes of Argentina.

Andrea Junge (Gießen University): Open cisterns as environmental archives in the Negev Highlands, Israel.

Sybille Knapp (TU Munich): Large rock-slope failures impacting on lakes.

Annegret Larsen (Université de Lausanne): The hydro-geomorphic influence of beaver on low-order streams.

Julia Meister (FU Berlin): A pastoral landscape for millennia: Investigating pastoral mobility in northeastern Jordan using quantitative spatial analyses.

Ingo Middelhaufe (FU Berlin): Water Harvesting Systems in the Dry Zone of Sri Lanka.

Sarah Mossner (FU Berlin): Holocene environmental implications from a small crater lake in Central Yakutia, Russia - preliminary results.

Aleksandra Osika (University of Silesia in Katowice): Relief evolution of landslide slopes in the Suche Mts. (Central Sudetes, Poland) - analysis of a high-resolution DEM based on airborne LiDAR.

Bastian Reinwarth (University of Jena): Modelling the sediment trap efficiency of semi-dry reservoirs in the Kruger National Park, South Africa.

Oliver Schlömer (University of Bonn): Submergence effects on scour at obstacles in the fluvial environment.

Anna Schoch (University of Bonn): Postglacial fan evolution in the Upper Rhone Valley, Switzerland – gradual or catastrophic?.

Raphael Steup (Geißen University): Reconstruction of Holocene sediment dynamics in a human-impacted fluvial system of the Northern Franconian Jura.

Vittoria Vandelli (University of Modena and Reggio Emilia): Glacier fluctuations in the Italian Alps since the LGM, a case study from the Dolomites: review and perspectives within a 3-years PhD project.

Janeek Walk (RWTH Aachen): Pléiades DEM-based morphometry of coastal alluvial fans in Chile's Atacama Desert - DEM quality assessment and first results from the Devil's Throat (Garganta del Diablo), southern Tarapacá region.

Saturday, 20/05/2017

08:00-9:30 *Breakfast*

10:00 **Keynote: Dr. Wolfgang Schwanghart (University of Potsdam): Models, parameters, and the unknown unknowns - issues in Landscape Evolution Modelling. Moderation: Jan Blöthe & Julia Meister**

12:00 **Lunch**

14:00 **Field trip to the surroundings: Prof. Michael Krautblatter, TU Munich**

17:00 **Return from field trip**

18:00 **Dinner**

19:00 **General Assembly**

20:00 **Poster session**

21:30 **Party / Get together**

Sunday, 21/05/2017

08:00 *Breakfast*

09:00 **Session II: “(High) Mountain geomorphology” Convener: Andrea Junge & Anna Schoch**

You have 20 minutes for your topic, so make your talk short and to the point to have plenty of time for discussion!

09:00 *Julian Trappe* (University of Würzburg): Hydrology of partly drained bogs in the Hunsrück mountains.

09:20 *Christina Hauck* (University of Vienna): Combining hydrometeorological data with 4D-ERT information to determine landslide dynamics in Gresten, Lower Austria.

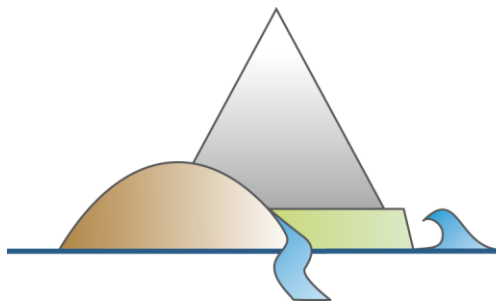
- 09:40 *Sarah Kamleitner* (University of Vienna): Is there still dead ice in the Little Ice Age lateral moraine? A case study from Kaunertal valley, Austria.
- 10:00 *Johannes Buckel* (University of Salzburg): The formation of glacial lakes in Austria since the Little Ice Age.
- 10:20 *Coffee Break*
- 11:00 “Q&A 10 years later – open discussion with the “older” Young Geomorphologists”**
Convener: Young Geomorphologists’ team
- Foundation and development of the Young Geomorphologist in Germany – What have we accomplished and what are our next goals?
- 12:00 *Lunch*
- 13:00 Give us what we deserve!**
- We need your opinion on what you liked and disliked!
- 13:30 Goodbye and some final remarks**

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