



EGU

Geomorphology

Division (GM)

2015 Division meeting

Andreas Lang, Peter van der Beek



Agenda

- 1) Summary of EGU council meetings
- 2) Where is GM now
- 3) 2015 programme
- 4) Medal/Awards
- 5) Where is GM going
- 6) Any other business
- 7) Announcements





EGU Council

EGU2015 News

- ***EGU Budget***
- ***General Assembly 2015***





EGU 2015 PROVISIONAL BUDGET

	INCOMES	EXPENDITURES
1. GENERAL ASSEMBLY		
Totals	3,688,000.00 €	3,333,000.00 €
Incomes - Expenditures	355,000.00 €	
2. PUBLICATIONS		
Totals	3,809,000.00 €	3,478,000.00 €
Incomes - Expenditures	331,000.00 €	
3. MEMBERSHIP		
Totals	130,000.00 €	3,000.00 €
Incomes - Expenditures	127,000.00 €	
4. OUTREACH COMMITTEE		
Totals	0.00 €	29,000.00 €
Incomes - Expenditures	- 29,000.00 €	
5. TOPICAL EVENT COMMITTEE		
Totals	0.00 €	80,000.00 €
Incomes - Expenditures	- 80,000.00 €	



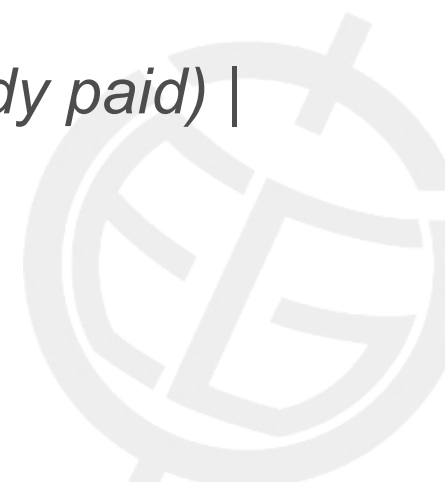
EGU 2015 PROVISIONAL BUDGET

	INCOMES	EXPENDITURES
6. EDUCATION COMMITTEE		
Totals	0.00 €	66,000.00 €
Incomes - Expenditures	- 66,000.00 €	
7. EXECUTIVE SECRETARIAT		
Totals	0.00 €	670,000.00 €
Incomes - Expenditures	- 670,000.00 €	
8. UNION		
Totals	0.00 €	130,000.00 €
Income - Expenditures	- 130,000.00 €	
9. RESERVE		
Totals	162,000.00 €	0.00 €
Incomes - Expenditures	162,000.00 €	
-----	-----	-----
----	--	--
EGU 2014 PROVISIONAL BUDGET	7,789,000.00 €	7,789,000.00 €
T		
INCOME - EXPENDITURE	0,00 €	

EGU General Assembly 2015 facts

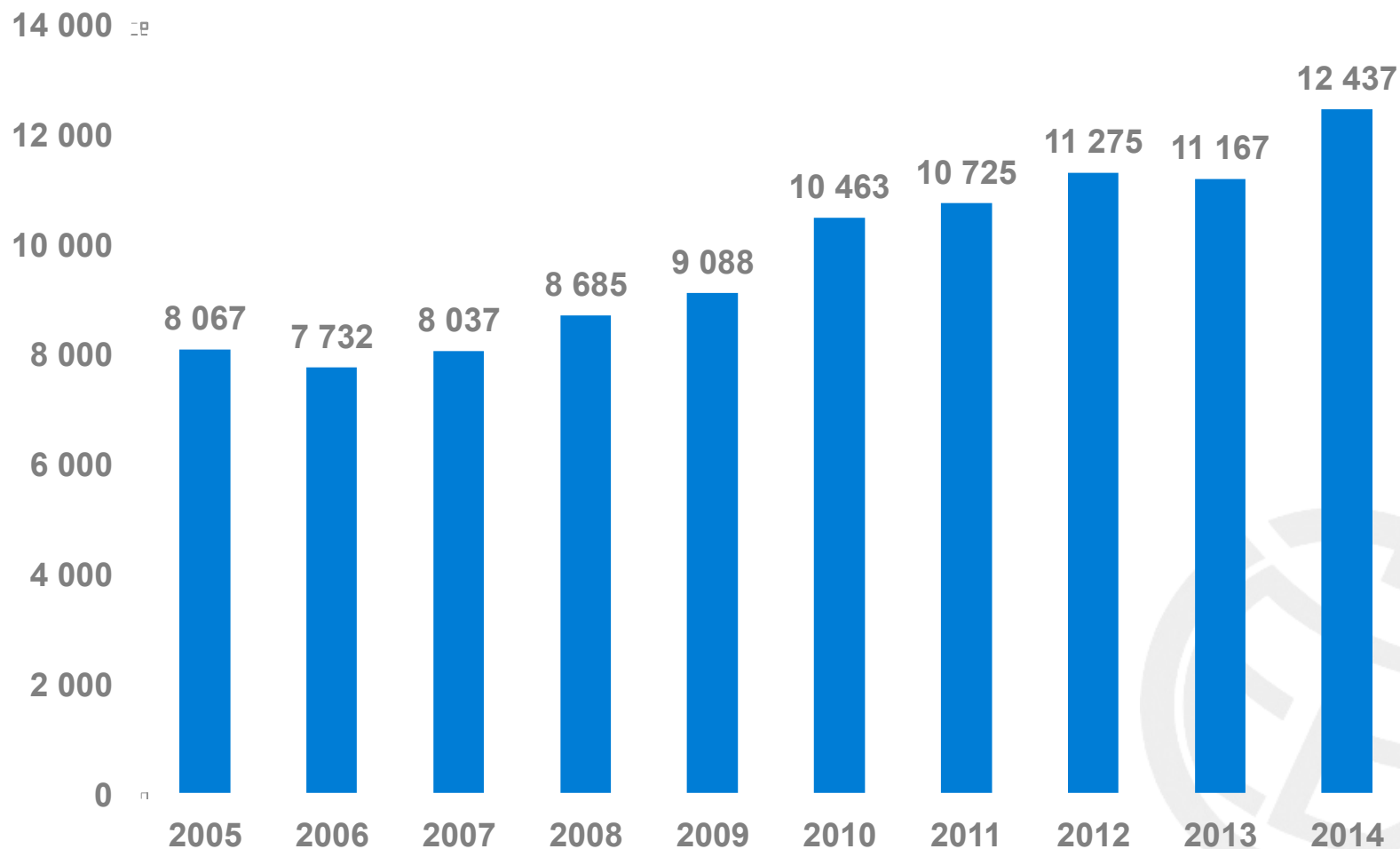
As of 07 April, the Assembly 2015 provides:

- *14,231 papers in programme | -4.46% (2014)*
- *4,900 orals | 8,608 posters | 723 PICOs | ratio 34.5 / 60.5 / 5*
- *379 unique scientific sessions | 285 side events**
- *8,848 registrations in advance (8,800 already paid) | -13.77% (2014)*





Participants at EGU Assemblies 2005–2014



Papers in programme 2005–2015

16 000

14 895

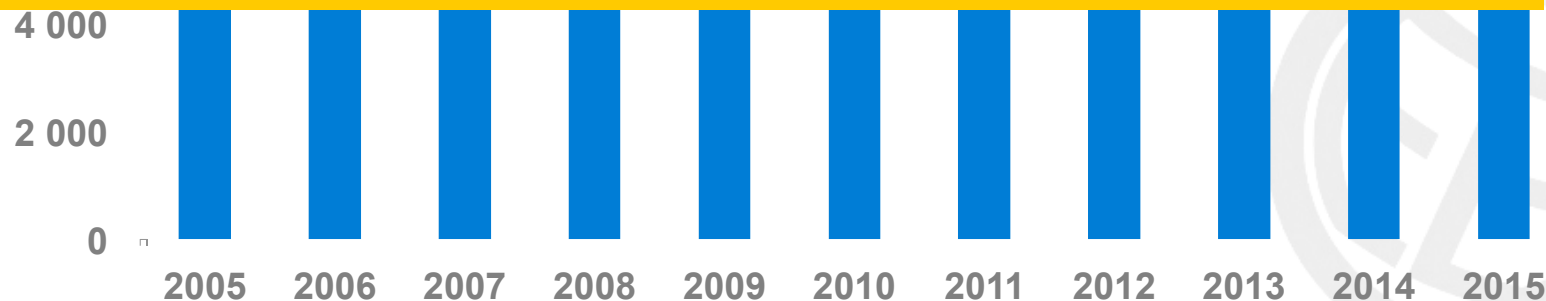
14 891

GM Division:

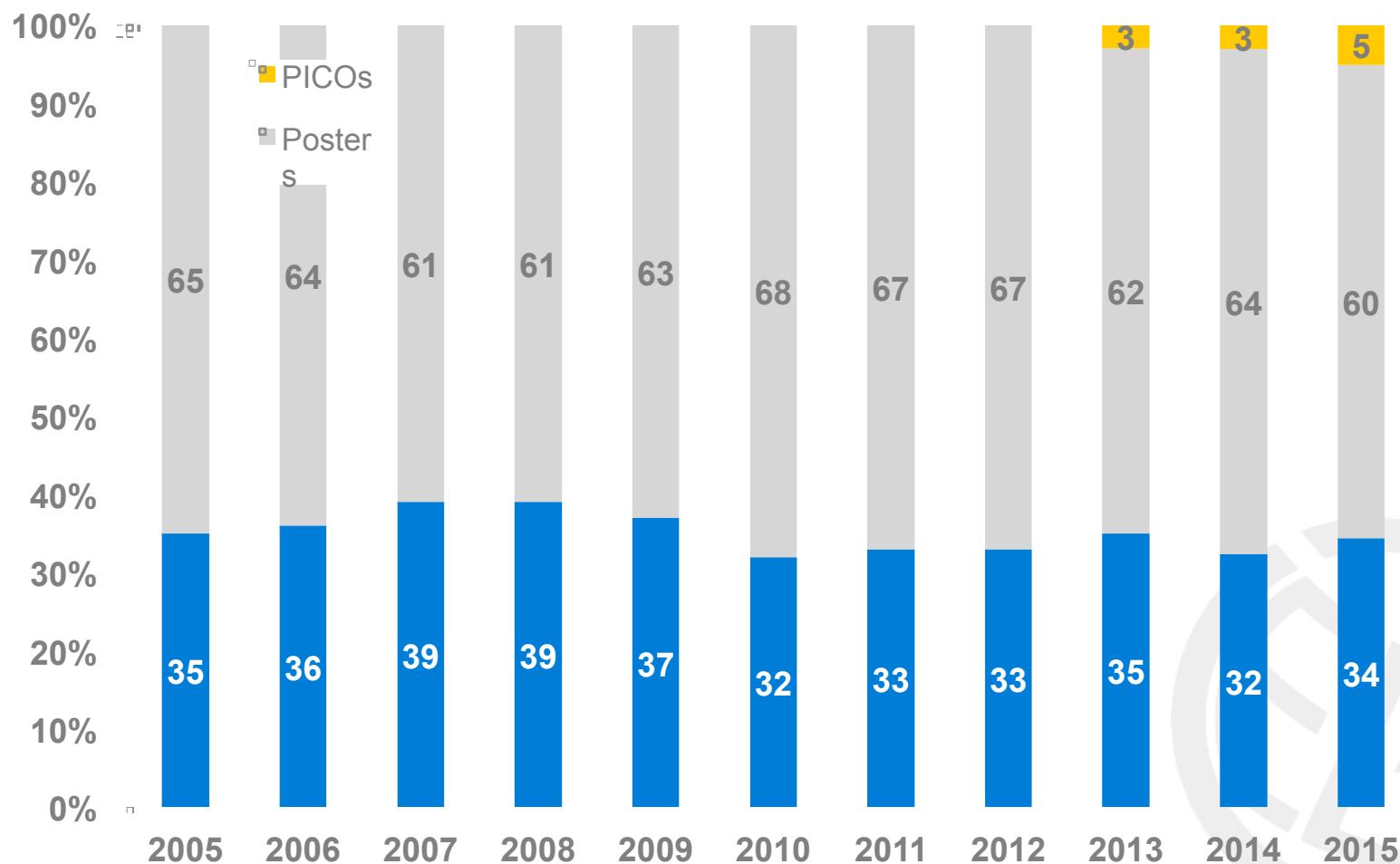
494 abstracts (down from 597 in 2014)

1342 abstracts including co-organised sessions
(up from 1234 in 2014)

Average abstracts per session 23



Presentation ratio 2005–2015





Scheme	Target audience	Approximate Funding allocation	Funding
Young Scientist's Travel Award (YSTA)	Young scientists (world wide with earmarked funds for European economically disadvantaged (EED) countries)	EED: 30-35% Other countries: 50-60%	<ul style="list-style-type: none">• Registration• APC• Maximum of €300 travel expenses
Established Scientist's Travel Award (ESTA)	Established scientists (low and lower middle income countries)	10-20%	

GM support applications 2012 to 2015

2012: 33 applications; 9 awards; 27 % success
2012 overall success rate: 19 %

2013: 12 applications; 6 awards; 50 % success
2013 overall success rate: 23 %

2014: 79 applications; 26 awards; 33 % success
2014 overall success rate: 28 %

2015: 31 applications; 10 awards; 32 % success
2015 overall success rate: 32 %

Key to success:

- more applications
- better applications
- session chairs do your job!





Communication Activities at the Assembly

EGU Today

- *EGU Today is a daily newsletter highlighting interesting workshops, lectures and GeoCinema screenings, amongst activities at the Assembly*
- *Paper copies will be distributed daily and are available to download at **www.egu2015.eu/egu_today***

Blogs

- *GeoLog, the EGU Blog Network & EGU Division Blogs will be sharing great sessions, research, interviews and more throughout the Assembly*
- *Follow them at **geolog.egu.eu** and **blogs.egu.eu***

Social Media

- *Sessions will be advertised on Twitter (**[@EuroGeosciences](https://twitter.com/EuroGeosciences)**) and Facebook (**European Geosciences Union**)*
- *Participants can ask questions & keep updated by following **#EGU15***



European Geosciences Union



GM Division





Geomorphology special events 2015:

Workshops for young scientists

- **Quantitative interrogation of high-resolution DTMs**
with Wolfgang Schwanghart Monday, 13:30–15:00
- **Meet the Master**
with Tony Brown Tuesday, 17:30–18:15
- ***How to write a paper in geomorphology*** Wednesday, 17:30–19:00
with *Editors from Earth Surface Dynamics, Earth Surface Processes and Landforms, and Geomorphology*

Union events for young scientists

Young Scientist Lounge;

Young Scientist corner at the Opening Reception;

EGU Young Scientist Reception (Tuesday 19:00-20:30)



Geomorphology special events 2015:

- Wednesday

12:15-13:15 / Room G2:

Penck lecture

by ***Ann V. Rowan***

10:30, 13:30, 15:30 / PICO Spots:

3 PICO Sessions

(GM2.1, GM6.2, GM7.4)

- Thursday

18:00-19:00 / Foyer of Room B8:

BSG/ESPL reception

19:00-20:00 / Room B8:

Bagnold Medal Lecture

by ***Heather Viles***



Geomorphology special events 2015:

- Topical meeting 'SteepestDescent' Saturday, April 18:

one day of focused interactions and networking between people interested in surface dynamics in a broad sense

Speakers: Christian France-Lanord, Doug Jerolmack, Anna Gorbushina

Contact: Sebastien Castelltort, Frederic Herman, Niels Hovius,
Bernhard Salcher

steepestdescentmeeting@gmail.com

<http://www.brownpapertickets.com/event/1152366>



Ralph Alger Bagnold Medal

R.A. Bagnold Medal Lecture by **Heather Viles**

Thursday 19.00-20.00
room B8

18:00-19:00 reception

sponsored by BSG and ESPL

Other Awards/Honours

Outstanding Student Poster Award

Eligible are all students that:

- are first author and personally present the poster at the conference;
- are current or recent (with 1 year) undergraduates (e.g., BSc) or postgraduates (e.g., MSc, PhD) and present their thesis work.

This poster participates in

OSP

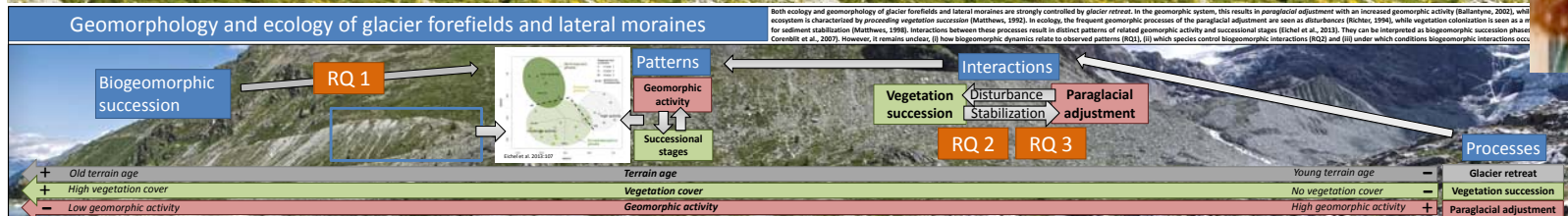


**Outstanding Student
Poster Contest**

2014 OSP Award in Geomorphology: Jana Eichel

Biogeomorphic interactions and patterns on Little Ice Age lateral moraines

Jana Eichel^a, Sebastian Schmidtlein^b and Richard Dikau^a ^a Department of Geography, University of Bonn, Meckenheimer Allee 166, 53115 Bonn, Germany ^b Department of Geography and Geocology, Karlsruhe Institute of Technology, Kaiserstraße 12, 76128 Karlsruhe, Germany



Research goal

To understand the relationships between biogeomorphic interactions, patterns and succession dynamics on Little Ice Age lateral moraines by applying and developing biogeomorphic concepts.

Study area

Turtmann glacier forefield (Valais, Switzerland)

The Turtmann glacier forefield is located at the southern end of the Turtmann valley, which is a north-south oriented tributary to the Rhône valley. Its most important sediment deposits are the Little Ice Age lateral moraines at the eastern valley side.

Biogeomorphic approach

Vegetation, geomorphic, and soil parameters were sampled in 50 permanent plots along the lateral moraines. Data was classified and statistically analysed to identify relationships between vegetation, geomorphic, soil and environmental properties.

Vegetation, geomorphic, soil and environmental survey in 50 permanent plots

Geomorphic activity classification

(Multivariate) Statistical analysis

Vegetation classification

Geomorphic classification

Ordination

(Post-hoc) Correlations

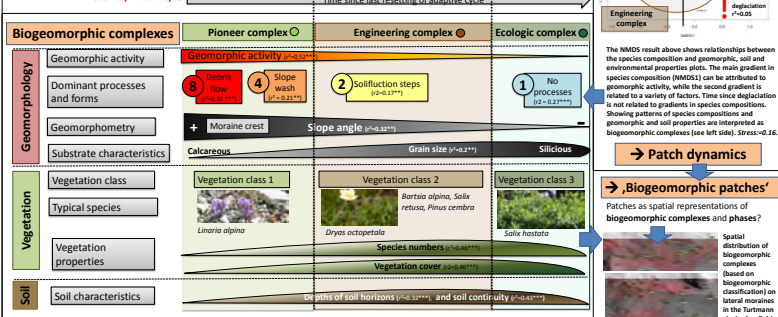
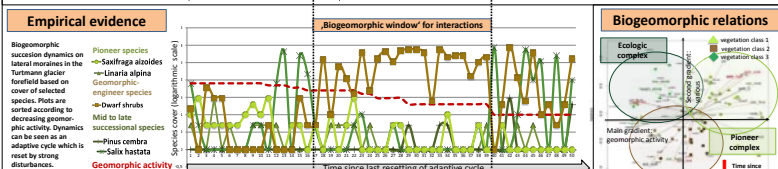
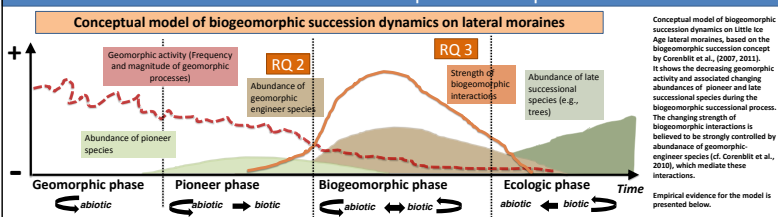
NMDS plot interpretation

Object, x, y, z position

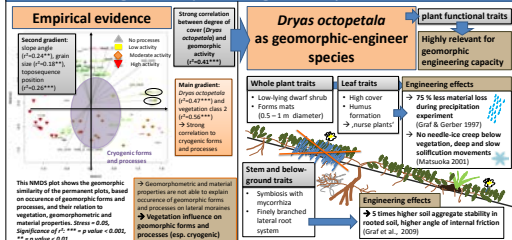
Direction of view

Length of arrow

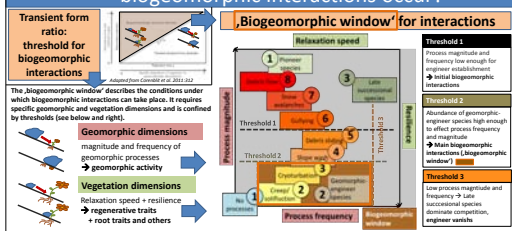
RQ 1 How can biogeomorphic dynamics on lateral moraines be characterized and which patterns are produced?



RQ 2 Which species on lateral moraines are geomorphic-engineer species?



RQ 3 Under which conditions can biogeomorphic interactions occur?



Conclusion

- 1) Biogeomorphic succession dynamics on lateral moraines are patch dynamics. Successional phases can be related to biogeomorphic complexes.
- 2) *Dryas octopetala* is a geomorphic-engineer species, which controls interactions and processes.
- 3) Biogeomorphic interactions depend on geomorphic and vegetation dimensions of a 'biogeomorphic window', which is confined by thresholds.

References

For more information

J. Eichel, S. Schmidtlein, R. Dikau

Biogeomorphic interactions and patterns on Little Ice Age lateral moraines

Geography, University of Bonn

2014



GM Officers

President *Andreas Lang* gm@egu.eu

Science Officers

Wolfgang Schwanghart

John Hillier

Jantiene Baartman

Peter van der Beek

HS; SSS; SSP

GD; TS

Awards & Medals

Paul Bishop

OSP Coordinator

Young Scientist Representative

Thomas Hoffmann

Lucy Clarke

(Emma Shuttleworth)



GM Officers

President *Peter van der Beek*

gm@egu.eu

Deputy *Jens Turowski*

Science Officers

Dan Parsons

HS, SSP

Taylor Schildgen

GD, TS

Arjen Stroeven

CR, CL

Veerle Vanacker

SSS

Awards & Medals

Paul Bishop

OSP Coordinator

Young Scientist Representative





Young Scientist Representative for Geomorphology Division (2015-17)

To be elected by **young scientists** at GM Business meeting

2 candidates:

- **Edina Józsa** (University of Pécs, Hungary)
- **Emma Shuttleworth** (University of Manchester, UK)



Medal committee 2016

Paul Bishop (chair)

(Stewart Lane

2011 medallist)

Greg Tucker

2012 medallist

James Kirchner

2013 medallist

(Peter van der Beek

2014 medallist)

Heather Viles

2015 medallist

Peter van der Beek (ex-officio, non-voting)



Other Awards/Honours

Outstanding Young Scientist Award (Union / division)

- age **35** or younger (up to 1 year parental leave may be added per child).
- undergraduate or postgraduate (Masters/PhD) student or received highest degree qualification (e.g., BSc, MSc, PhD) within the last **7** years.



GM Division Strategy

- Comprehensive coverage of geomorphology.
- Raise the profile of Geomorphology / Earth Surface Science in Geosciences and beyond.
- Work across boundaries with other disciplines / divisions to foster interfaces.
- Consolidate EGU as *the* annual geomorphology assembly.
- Develop outreach beyond the EGU General Assembly: ESurf journal, summer schools, topical conferences, ...
- Develop collaborations with other international groups and societies (AGU EPSP, AIG, ...).



EGU

Geomorphology Division (GM)

The future...

Sustainable growth
Increasing quality
Structuring activities



GM Programme 2016

- Session proposals asap, deadline September.
- Regular updates to GM2015 email list.
- Encouraged: **Co-organized sessions**
Sponsored sessions/speakers
- Desired: **Continuity of strongest sessions**
Topical sessions
- Session proponents must work to:
 - solicit abstracts & ensure delivery
- Session chair duties also include:
 - travel support selection
 - OSP





Announcements





Feedback

<http://www.surveygizmo.com/s3/2066338/EGU-General-Assembly-2015-Feedback>





EGU General Assembly 2016

Vienna, Austria

17–22 April 2016





EGU Galileo conferences

- Address well-focused cutting-edge topics at the frontier of geosciences research.
- 3-5 days meeting for discussion and debate for about 100 participants.
- EGU provides comprehensive organisational support allowing organizing committees to focus on the scientific aspects.
- EGU is partly sponsoring the event. Financial loss or benefit go to EGU.
- 2 stage application process on-line. “Deadline” for 1st round of applications **November 30th 2015** (submission page coming up in summer).
- Submission from September 1st, 2015



Steepest Descent 2015

Saturday, April 18th, 2015

University of Vienna, Building JURIDICUM, Room Dachgeschoss
Schottenbastei Strasse 10-16
U-Bahn **U2**: stop Schottentor - Universität



09:00 **Welcome**
with coffee and croissants

09:15 **Christian France-Lanord**, CRPG, CNRS - Nancy
Himalayan erosion from +5000 to -5000

10:30 **Coffee break**
and discussion around your posters

11:00 **Doug Jerolmack**, University of Pennsylvania
Creepy rivers and critical landscapes. (Or, why the threshold of motion is everything, and determining it is impossible)

12:15 **Lunch break**
on site

13:15 **Anna Gorbushina**, BAM, Berlin
Microbial colonisation of bare rocks: a laboratory model to study initial and microscopic weathering processes

14:30 **Closing discussion**

Registration and information at www.brownpapertickets.com/event/1152366
40€ (25€ for students and postdocs) includes coffee breaks and lunch.

contact: steepestdescentmeeting@gmail.com



THE ITALIAN YOUNG GEOMORPHOLOGISTS' GROUP
is pleased to invite you to the

6th YOUNG GEOMORPHOLOGISTS' DAY
To be held in Cagliari (Sardinia), 29-30 September, 2015

PROVISIONAL PROGRAMME

29 September 2015

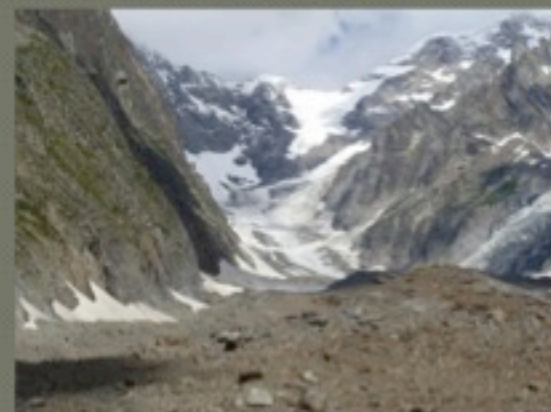
2.30 - 3.00 pm Keynote Lecturer: **Prof. Hazel Faulkner**, Middlesex University, UK

3.00 - 4.15 pm **Thematic session: Badlands geomorphology**

4.15 - 5.30 pm Coffee break and Poster session

5.30 - 7.00 pm **Miscellaneous session**

30 September 2015 – **Fieldtrip in the Sardinia granitic landscape** surrounding Cagliari



Geomorphology for Society
from risk knowledge to landscape heritage

5th AIgeo NATIONAL CONFERENCE
6th Young Geomorphologists' Day

ASSOCIATION FOR THE INTERNATIONAL COOPERATION IN GEOMORPHOLOGY
ITALIAN ASSOCIATION OF PHYSICAL GEOGRAPHY AND GEOMORPHOLOGY

AIgeo 2015

AIgeo 2015

Cagliari - Italy
September 29-30, 2015

6th YOUNG GEOMORPHOLOGISTS' DAY
Cagliari 29-30 September, 2015

AIGeo (Italia Association of Physical Geography and Geomorphology) offers 4 grants to 1 young delegate from each of the following countries:
France, Great Britain, Germany and Switzerland



Each grant is intended to covers:

- *Conference registration fee*
- *Social dinner on 28th September*
- *Fieldtrip on 30th September*

We are waiting for Your contributions!

Contacts & Info

6th.ygday.2015@gmail.com

italianyounggeomorphologists@gmail.com

Congress website:

<https://sites.google.com/site/aigeocagliari2015/aigeo-cagliari-2015>



Earth Surface Dynamics

An Interactive Open Access Journal of the European Geosciences Union

| EGU.eu |

Open Access – Public Peer-Review & Interactive Public Discussion



Managing Editor:

Tom Coulthard

Editors:

Jérôme Gaillardet, Frédéric Herman, Niels Hovius, Douglas Jerolmack & Andreas Lang

Geomorphology Division (GM)

Get involved!

- **Submit session proposals**
- **Nominate excellent researchers for awards and medals (by June 15)**
- **Help with running division business**

GM@EGU.EU