



# **EGU**

# **Geomorphology**

# **Division (GM)**

## **2013 Business meeting**

**Andreas Lang**



# Agenda

- 1) Summary of EGU council meetings
- 2) Where is GM now
- 3) Where is GM going
- 4) 2014 programme
- 5) Medal/Awards
- 6) Any other business
- 7) Announcements





# EGU Council

## ***EGU2013 News***

- ***EGU Budget***
- ***Outreach***
- ***General Assembly 2013***



# EGU 2013 PROVISIONAL BUDGET

## *main components*

	income	expenditure
<b>MEETINGS</b>	<b>3.22 M€</b>	<b>2.67 M€</b>
Registration	2.47 M€	
Abstract Charges	420 k€	
Exhibition	280 k€	
<b>PUBLICATIONS</b>	<b>3.31 M€</b>	<b>2.89 M€</b>
<b>MEMBERSHIP</b>	<b>120 k€</b>	<b>110 k€</b>
<b>OUTREACH</b>		<b>360 k€</b>
<b>EXECUTIVE SECRETARIAT</b>		<b>580 k€</b>
<b>RESERVE</b>		<b>40 k€</b>
total:	<b>6.65 M€</b>	<b>6.65 M€</b>



## Communication Activities at the Assembly

### EGU Today

- EGU Today is a daily newsletter highlighting interesting workshops, lectures and films at GeoCinema, amongst activities at the Assembly
- Paper copies will be distributed daily and available to download

### Blogs

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

### Social Media

- Sessions will be advertised on Twitter (**@EuroGeosciences**) and Facebook (**European Geosciences Union**)
- Participants can ask questions & keep updated by following **#egu2013**



- GIFT - Geosciences Information For Teachers
- Mentoring Programme
- Imaggio
- EGU TV

News & Press

Awards & Medals

Membership

Elections

## EGU Blog Network

The [EGU Blog Network](#) complemen



European Geosciences Union – General Assembly

## GEOSCIENCE INFORMATION FOR TEACHERS (GIFT) WORKSHOP 2013

# Natural Hazards

Austria Center, Vienna, April 07-10 2013



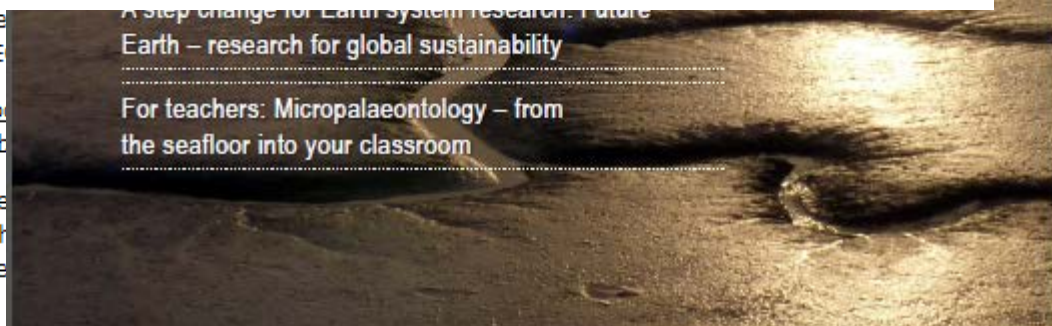
Using [Twitter](#), we share current ne (NY Times) as well as updates on E

Like Twitter, we use [Facebook](#), [Google+](#) blog posts, press releases and web

Our [YouTube](#) page is a one-stop re Geosciences Information For Teach and press conferences at the Gene

A step change for Earth system research: Future Earth – research for global sustainability

For teachers: Micropalaeontology – from the seafloor into your classroom





# EGU General Assemblies 2005–2013

## Abstracts & Participation

EGU General Assembly 2013  
07 – 12 April 2013 | Vienna | Austria



## EGU General Assembly 2013 Facts

As of 04 April, the Assembly 2013 provides:

- 13,343 Papers in Programme | -1.4% (2012)
- 4,684 Orals | 8,207 Posters | 452 PICOs
- 448 unique scientific Sessions | 96 PSD Sessions | 143 Side Events\*
- 9,876 Registrations in Advance +13.0% (2012)





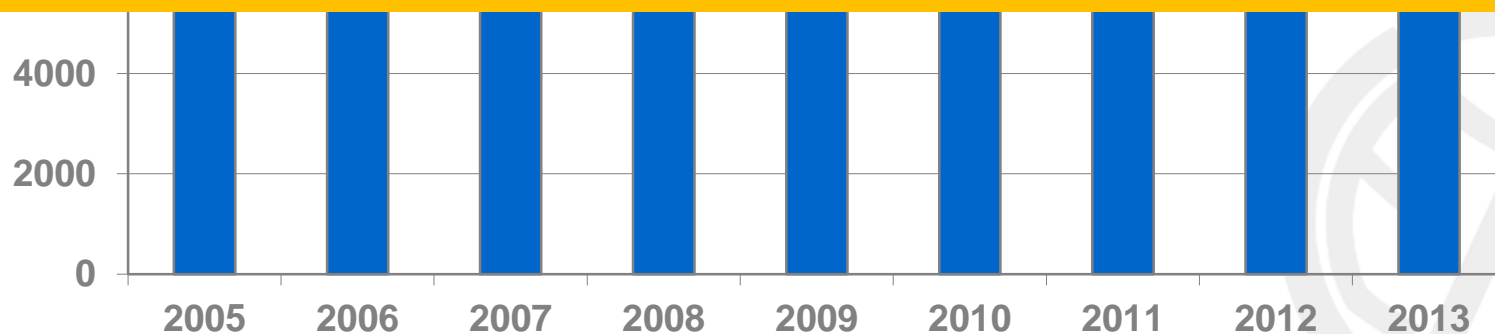
## Papers in Programme 2005–2013

16000

***GM Division:***

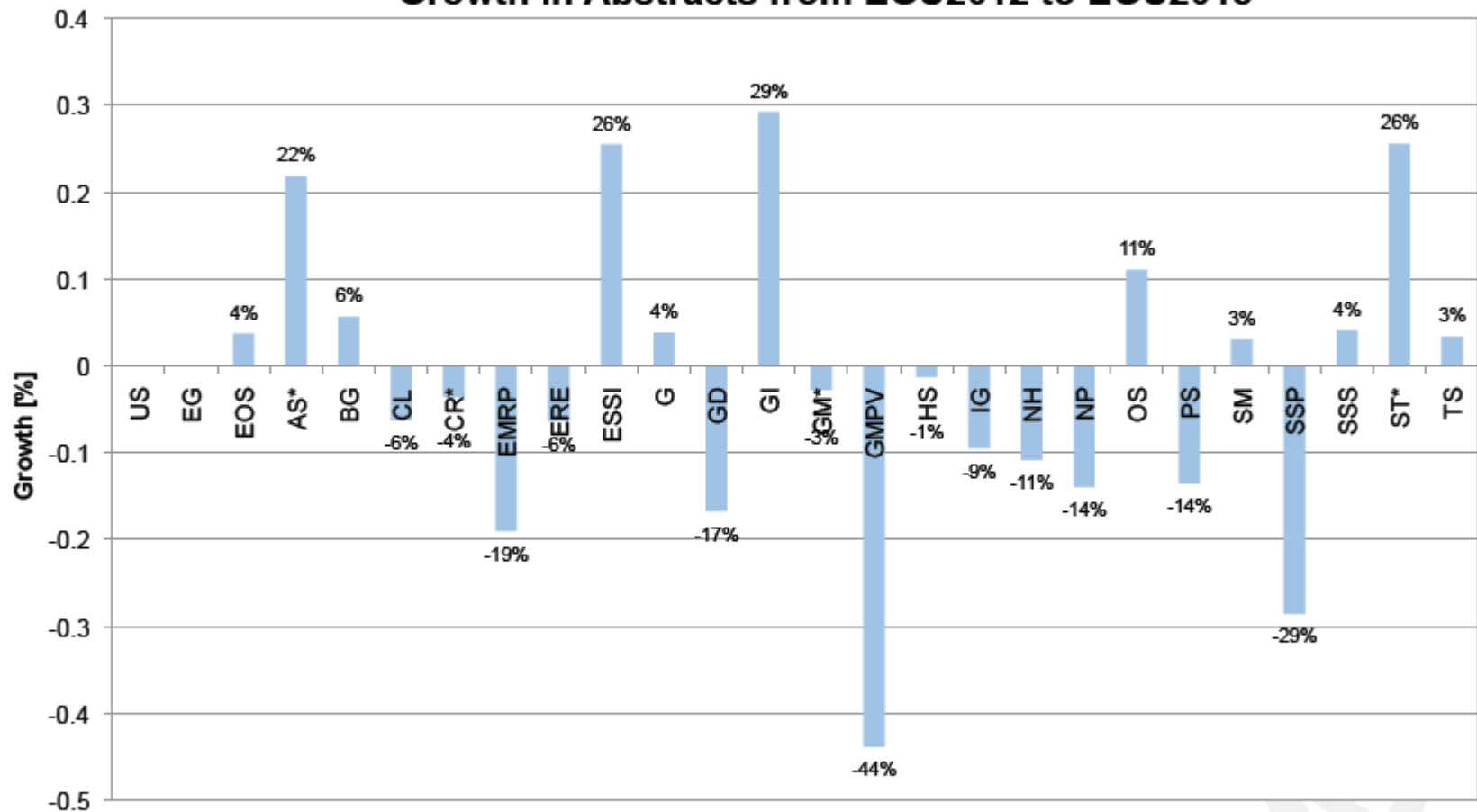
***511 abstracts  
(1009 including co-organised sessions)***

***Average abstracts per session 26***



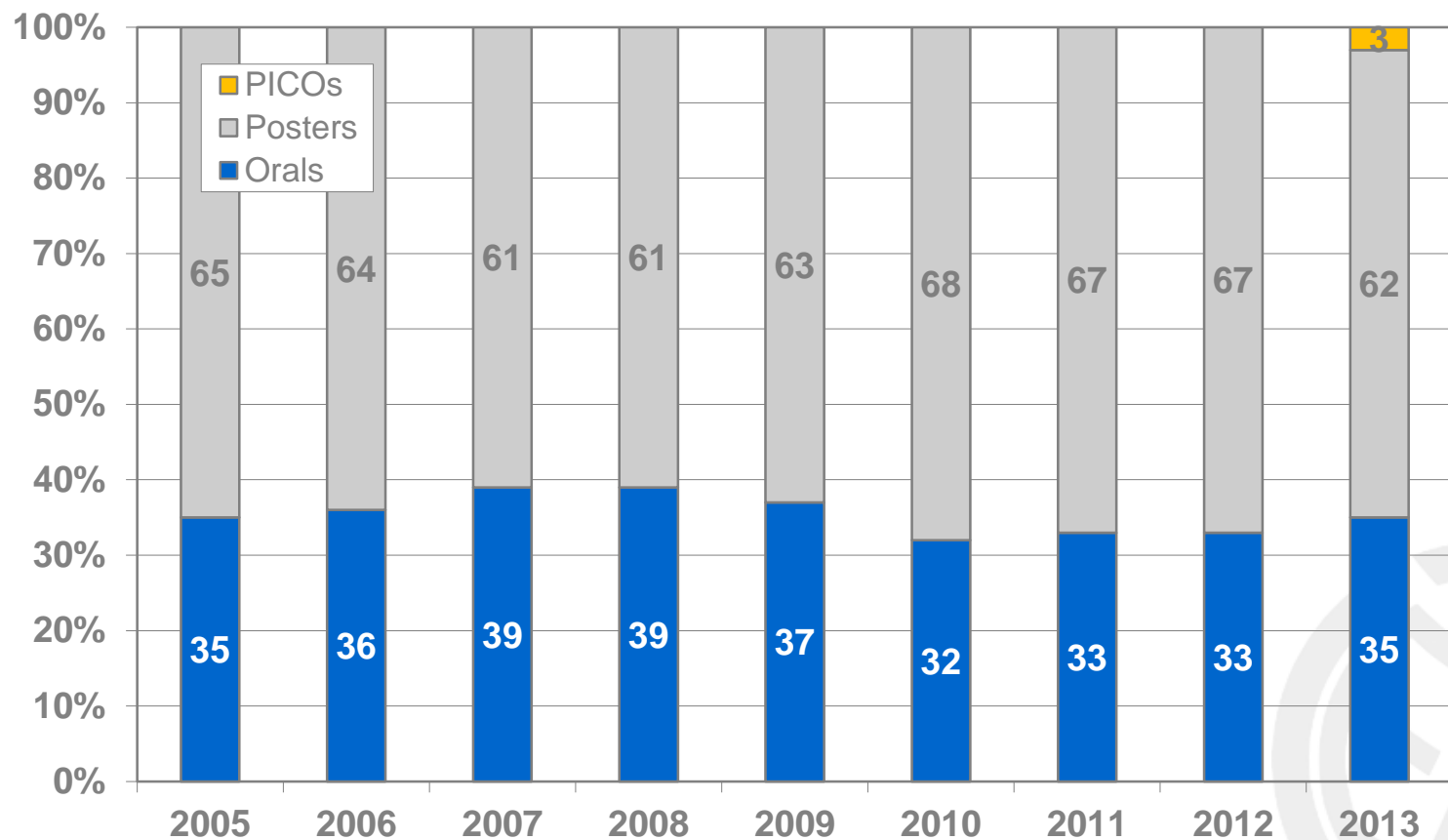


## Growth in Abstracts from EGU2012 to EGU2013



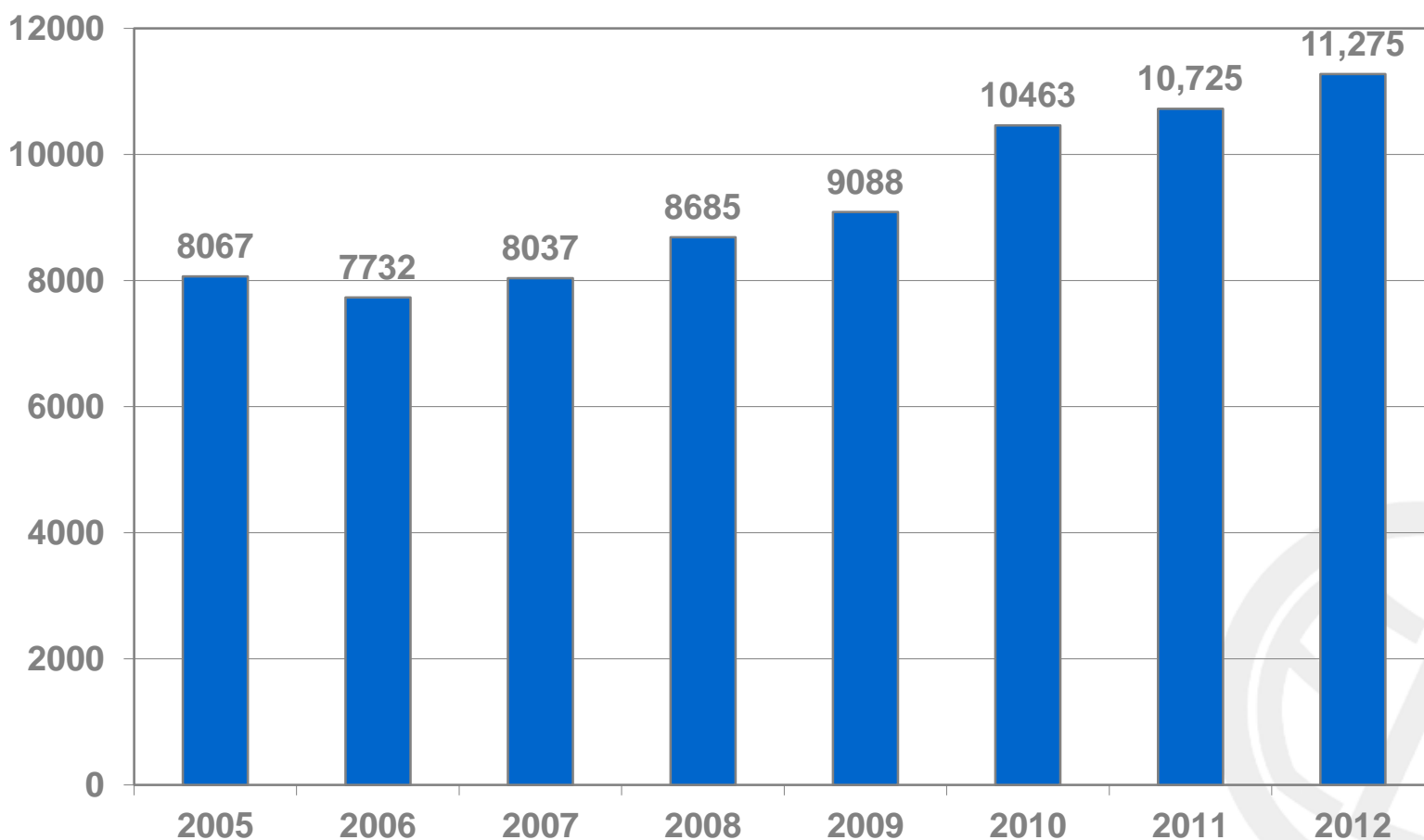


## Presentation Ratio 2005–2013





## Participants at EGU Assemblies 2005–2012



## PICO

### **GM2.1**

# ***Digital Landscapes: Insights into geomorphological processes from high-resolution topography, quantitative interrogation and geomorphological mapping***

*Wed, 10 Apr, 08:30–12:00 / Room PICO Spot 3*

Convener: John K. Hillier

Co-Conveners: Paola Passalacqua, Susan Conway, David Mason, Paolo Tarolli, Jim Chandler, Philip Marzahn, Alexander Beer, Thomas Dewez, Dirk Rieke-Zapp, Wolfgang Schwanghart, Tobias Heckmann, Jan-Christoph Otto

## GM support applications 2013 and 2012

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

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

### Key to success:

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

*ranking & supporting statement*





European Geosciences Union



# GM Division



# GM Division Strategy

- Comprehensive coverage of geomorphology.
- Raise the profile of Geomorphology/Earth Surface Science in Geoscience and beyond.
- Work across boundaries with other disciplines/divisions to foster new lines.
- Consolidate EGU as *the* annual geomorphology assembly.
- Initiate EGU specialist conference on geomorphology-related topic.
- Enhance ties with other organizations



## Round table discussion: *Geomorphology in Europe*

- Improving information exchange between associations
- Strengthen the visibility of Geomorphology as a scientific discipline of relevance to society
- Join forces to:
  - support the development of geomorphologists and young researchers)
  - develop programmes (at national levels)

Initiated at EGU GA 2012  
continued at IAG Paris 2013

# GM Division Strategy

- Topical meetings    ESPG
- Training & Support of young researchers  
(Summer-/ Winter-Schools; mentoring;  
'how to' workshops,...)



## Geomorphology special events 2013:

### *Workshops for young scientists*

- **Dating techniques in geomorphology**  
with Kevin Norton & Geoff Duller Monday, 17:30–19:00
- **Open access publishing**  
with Tom Coulthard & Richard Gloaguen Tuesday, 12:15-13:15
- **Meet the Master**  
with Heather Viles Wednesday, 17:30–19:00
- **Supervising Master's and PhD students**  
with François Métivier & Markus Stoffel Thursday, 15:30-17:00



## Geomorphology special events 2013:

### - Topical meeting 'steepestdescent'

Saturday, April 13: one-day workshop dedicated to the broad field of earth surface dynamics

Contact: Sebastien Castelltort, Jean-Daniel Champagnac, Frederic Herman, Niels Hovius

### - EGU Summer School July 29 – August 4

Understanding Earth-surface processes in the alpine environment from high resolution topography

Contact: **Paolo Tarolli** - University of Padova, Italy



# GM Division Strategy

- Topical meetings    ESPG
- Training & Support of young researchers  
(Summer-/ Winter-Schools; mentoring;  
'how to' workshops,...)
- Outreach Fellow to work with Schools  
(EGU outreach)



# 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:

Frédéric Herman, Niels Hovius, Douglas  
Jerolmack & Andreas Lang

# GM Programme 2014

- Session proposals asap, deadline September.
- Regular updates to GM2013 email
- Encouraged: Co-organized  
Sponsored  
Workshop  
Talkers
- Desired: Continued  
Workshops  
Best sessions

Vienna has been signed as venue  
until 2019 (& 5)

Session proposals work to:  
- ensure delivery

Session duties also include:  
- student travel support selection  
- OSP

# GM Officers

Secretaries:

- Meeting programme:  
Jens Turowski → Wolfgang Schwanghart



# GM Officers

## Secretaries:

- Meeting programme:  
Jens Turowski → Wolfgang Schwanghart
- Awards: Gerard Govers → Paul Bishop
- OSP: Thomas Hoffmann
- Web master: Arnaud Temme

Call for participation

# Ralph Alger Bagnold Medal

## Bagnold Medal Lecture

by  
**Jim Kirchner**



**Thursday 19.00-20.00**  
**room B8**

**Nominations via EGU website by June 15!**

sponsored by BSG and

# Medal committee

**Paul Bishop** (chair)

Friedhelm von Blanckenburg	<i>2010 medalist</i>
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Stewart Lane	<i>2011 medalist</i>
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Greg Tucker	<i>2012 medalist</i>
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James Kirchner	<i>2013 medalsit</i>
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Andreas Lang (*ex officio*)

**Friday 13:30-14:00 / Room B6: session  
SSS9.5/GM4.8:**

**Arne Richter Award Lecture by Simon Mudd:**

'I am starting to suspect that things  
might be affected by landscape:  
ecogeomorphology tracks from the coast to the hills'

**Nominations via EGU website by June 15!**

**Arne Richter Award**

**2014 Simon Mudd**



This poster participates in  
**OSP**



**Outstanding Student  
Poster Contest**



### Experimental Meandering: From braided towards meandering by the addition of cohesive floodplain material

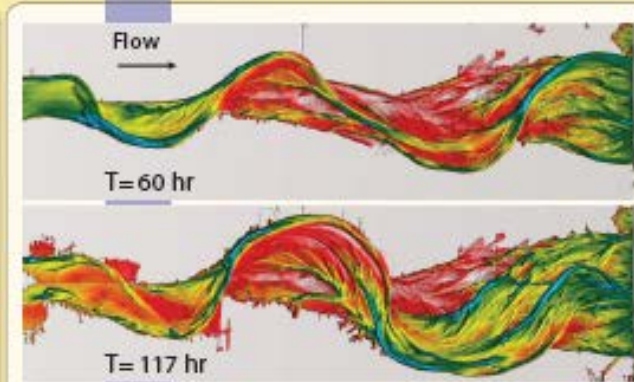
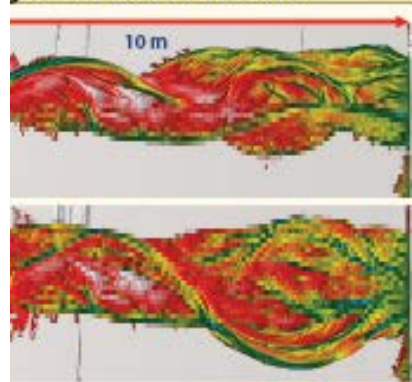
Wout M. van Dijk<sup>1</sup>, Wietse I. van de Lageweg<sup>1</sup> and Maarten G. Kleinhans<sup>1</sup>

<sup>1</sup>Utrecht University, Faculty of Geosciences, Dep. of Physical Geography, Willemslaan 73, 3512 PC Utrecht, The Netherlands

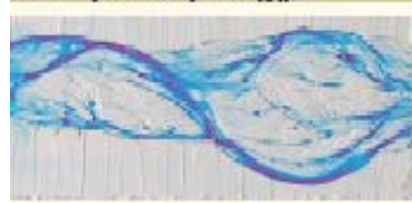
#### Results

river forms in the experiment  
with cohesive floodplain-filling material

Meandering river forms in the experiment  
with cohesive floodplain-filling material

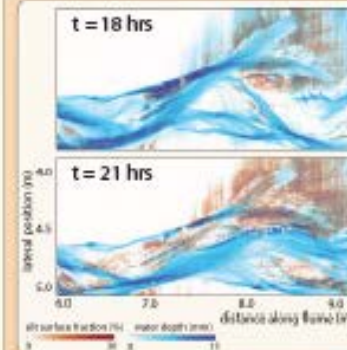


Water depth maps ( $Q_{low}$ )

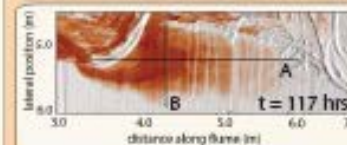


Grain-size distribution maps

#### Floodplain styles



Outer bank erosion by lateral migration of channel is counterbalanced by formation of a point bar at the inner side. Fines deposited on bar head lobes, scroll ridges and scroll swales increasing bank strength and reducing channel excavation (Fig. right).



#### Inner bend deposits of silt:

Outer bank erosion by lateral migration of channel is counterbalanced by formation of a point bar at the inner side. Fines deposited on bar head lobes, scroll ridges and scroll swales increasing bank strength and reducing channel excavation (Fig. right).

#### Conclusions





# **Any Other Business**





# Announcements







# **EGU General Assembly 2014**

**Vienna, Austria**

**27.04 – 02.05 2014**





Saturday, April 13

one-day workshop  
"steepestdescent"

*Sebastien Castelltort, Jean-Daniel  
Champagnac, Frederic Herman, Niels Hovius*

# 10th International Conference on Fluvial Sedimentology

LEEDS, UK 14-19 JULY 2013



## Announcements

- ▶ First circular released
- ▶ Important dates
- ▶ Organising committee additions
- ▶ Keynote speakers confirmed
- ▶ Invited speakers added

## LEEDS'13

TUCUMÁN'09  
DELFT'05  
LINCOLN'01  
CAPE TOWN'97  
BRISBANE'93  
BARCELONA'89  
FORT COLLINS'85  
KEELE'81  
CALGARY'77

The organising committee of the 10th ICFS is privileged to welcome you to Leeds from 14-19 July 2013. The 10th ICFS will debate fluvial processes and deposits across the full range of spatial and temporal scales and highlight research that uses theoretical, experimental, field and numerical techniques. The conference will have six broad **themes** each with a series of specific sessions offered and chaired by individuals. We would be pleased to **receive** ideas for session topics in Spring 2012.

We look forward to welcoming you to Leeds in 2013,

the Organising Committee

Modern

Ancient

Process

Modelling

Resources

Hot



# Understanding Earth-Surface Processes in the Alpine Environment from High Resolution Topography



## European Geosciences Union Summer School 2013

[Home](#) [Program](#) [Scientific Committee](#) [Organizing Committee](#) [Keynote Talks](#) [Registration](#)

**28 July - 4 August**

Centre of studies of Alpine  
Environment (San Vito di  
Cadore, Dolomites, ITALY)



Department TESAF  
**TESAF**

Contacts:  
[paolo.tarolli@unipd.it](mailto:paolo.tarolli@unipd.it)  
[sara.ziggiotti@unipd.it](mailto:sara.ziggiotti@unipd.it)

Brochure:



<http://www.tesaf.unipd.it/cms/summerEGU2013>



## KEYNOTE TALKS

[Niels Hovius](#) - GFZ, Potsdam (Germany)

[Dimitri Laque](#) - CNRS, Université de Rennes (France)

[Ramon Arrowsmith](#) - Arizona State University (USA)

[Ching-Weei Lin](#) - National Cheng Kung University (Taiwan)

[Jean-Stephane Bailly](#) - AgroParisTech, Montpellier (France)

[Paola Passalacqua](#) - The University of Texas at Austin (USA)

## REGISTRATION

Applicants are invited to send to [sara.ziggiotti@unipd.it](mailto:sara.ziggiotti@unipd.it):

- 1) Detailed CV to be evaluated - **deadline May 20th, 2013**
- 2) Summer School fee payment (after acceptance) - **deadline June 3rd, 2013**

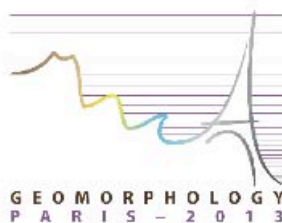
## PAYMENT

Participation fee: **450 Euros**

- Bank: CASSA DI RISPARMIO DEL VENETO SPA
- IBAN: IT13D06225121861000000046566
- BIC: IBSPIT2P
- Reason for payment: "EGU Summer School 2013-Dip. TESAF"

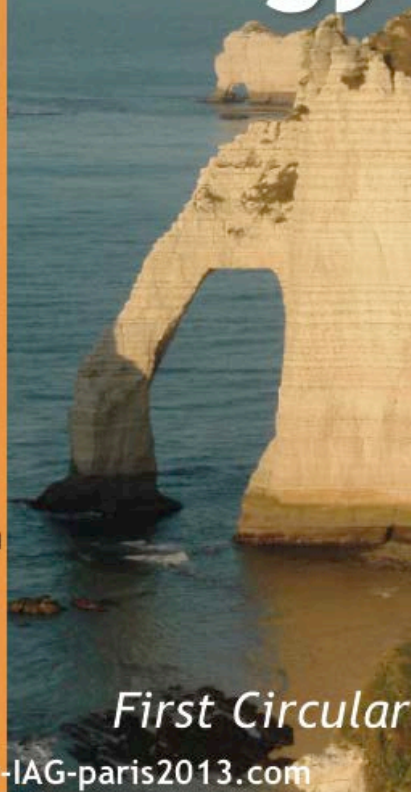
The participation fee includes:

PC lab assistance; logistic and field assistance during the two days high altitude expedition; teaching materials and technical instruments; seven nights accommodation (all meals included); participation to social events (guided tour to Cortina D'Ampezzo, social dinner); free shuttle service from and to Marco Polo Venice airport and Padova railway station; EGU diploma



# 8<sup>th</sup> IAG - International Conference on **Geomorphology** PARIS - 2013 27-31 August

« *Geomorphology and Sustainability* »



## Contacts

### • Organizing Committee

Coord.: Prof. S. Costa (president) - Prof. N. Carcaud (field trips) - Dr. É. Cossart (communication)  
IAG2013@europa-organisation.com

### • Scientific Committee

Coord.: Prof. M. Fort - Prof. M.-F. André  
m-francoise.andre@univ-bpclermont.fr

[www.geomorphology-IAG-paris2013.com](http://www.geomorphology-IAG-paris2013.com)



Declaration of interest

Submission opening: February 15, 2012

Submission closing: October 15, 2012

## List of sessions

**S1. History and epistemology of geomorphology**

**S2. Geomorphology and earth system science**

**S3. Planetary geomorphology (IAG-WG)**

**S4. Megageomorphology**

**S5. Tectonic geomorphology** (including neotectonics and paleoseismology)

**S6. Volcanic geomorphology:** towards a quantitative assessment of volcanic landforms, processes and hazards

**S7. Magnitude and frequency in geomorphology** including:

- S7A - Extreme events in geomorphology (IAG-WG)

**S8. Geomorphic processes and long term landscape evolution**

**S9. Rock control on geomorphic processes and landforms including:**

- S9A - Sandstone geomorphology (Danxia IAG WG), extended to quartzites
- S9B - Karstic geomorphology: from hydrological functioning to palaeoenvironmental reconstructions

**S10. Quaternary geomorphology** (including FLAG, GLOCOPH and PAGES-LUCIFS)

**S11. Geomorphology and global environmental change**

**S12-16. Anthropocene geomorphology**

- S12. Geoarchaeology (IAG-WG)
- S13. Human impacts on landscapes (IAG-WG)
- S14. Geomorphic hazards, risk management and climate change impact (IAG-WG)
- S15. Geoconservation, geotourism and education including:
  - o S15A - Anthropogenic drivers of cultural stone deterioration and conservation
  - o S15B - Geomorphosites (IAG-WG) including geoparks and WHS
  - o S15C - Managing landscape dynamics in protected areas
  - o S15D - Teaching and disseminating geomorphology

- S16. Forum francophone : la géomorphologie au service du développement durable

**S17. Geomorphology and the Critical Zone** (including weathering, soils and biogeomorphology)

**S18. Hillslope processes and mass movements**

**S19. Fluvial geomorphology and river management** including:

- S19A - Large rivers (IAG-WG)
- S19B - Small catchments (IAG-WG)
- Other subsessions (e.g. river management and restoration)

**S20. Sediment budgets** (IAG-WG covering all environments)

**S21. Coastal geomorphology and management** including:

- S21A - Reef forms (IAG-WG)
- S21B - Rocky coasts (IAG-WG)
- Other subsessions

**S22. Submarine geomorphology**

**S23. Aeolian systems and arid geomorphology** (including subarid margins)

**S24. Tropical geomorphology**

**S25. Cold region geomorphology** including:

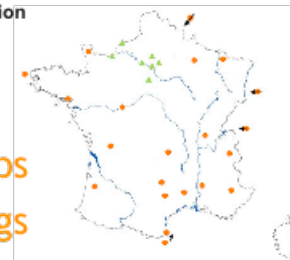
- S25A - Glacial and paraglacial geomorphology
- S25B - Permafrost and periglacial geomorphology (in coop. with IPA)
- S25C - Mountain geomorphology

**S26. Methods in Geomorphology** including:

- S26A - Modelling in geomorphology
- S26B - Remote sensing (including laser scanning, applications of radar, etc.)
- S26C - DEM, GIS and spatial analysis
- S26D - Statistics in geomorphology
- S26E - Dating methods (including cosmogenic nuclides)
- S26F - Applied geomorphological mapping (IAG-WG)

**S27. Young Geomorphologists Session**

**S28. Open session**



More than **20** field trips  
planned in France and surroundings