



**European Geosciences Union**

Division on  
**Climate: Past, Present & Future**



# Division Meeting

Climate: Past,  
Present & Future

Division



**Thomas Blunier**

**Welcome**



# European Geosciences Union

Division on  
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## Agenda

1. EGU
2. CL Organisation
3. Awarding of OSP awards from EGU 2013
4. EGU and CL 2014 Statistics
5. Organization CL at GA 2014
6. Division medals
7. Mini Medal lecture by Nick Dunstone (Outstanding Young Scientists Awards)
8. Journals relevant to CL
  - CP Report [Denis Rousseau, co-Editor-in chief]
  - ESD Report [Axel Kleidon, co-Editor-in chief]
9. Young Scientist in CL
10. Travel support
11. Union information
12. Any other business



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## European Geosciences Union



EGU, the European Geosciences Union, is Europe's premier geosciences union, dedicated to the pursuit of excellence in the geosciences and the planetary and space sciences for the benefit of humanity, worldwide. It was established in September 2002 as a merger of the European Geophysical Society (EGS) and the European Union of Geosciences (EUG), and has headquarters in Munich, Germany.

It is a **non-profit international union** of scientists with over 12,500 members from all over the world. Membership is open to individuals who are professionally engaged in or associated with geosciences and planetary and space sciences and related studies, including students and retired seniors.

The EGU has a current portfolio of 16 diverse scientific journals, which use an innovative open access format, and organises a number of topical meetings, and education and outreach activities. Its annual General Assembly is the largest and most prominent European geosciences event, attracting over 11,000 scientists from all over the world. The meeting's sessions cover a wide range of topics, including volcanology, planetary exploration, the Earth's internal structure and atmosphere, climate, as well as energy and resources.



- President: Günter Blöschl
- Vice-President: Hans Thybo
- General Secretary Miora Mandrea
- Treasurer: Roland Schich





## Union Offices

### EGU Executive Office

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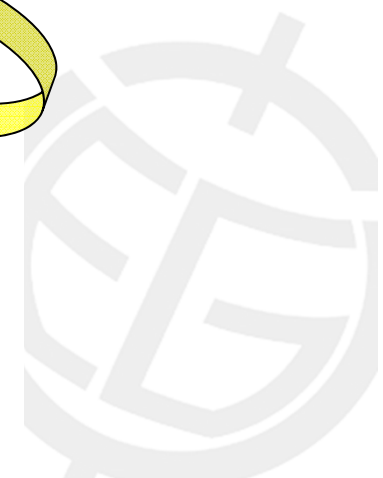
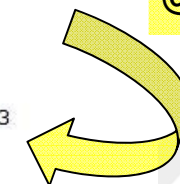


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@ EGU Booth





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## Current CL Structure

|                       |                       |                                  |
|-----------------------|-----------------------|----------------------------------|
| President             | Thomas Blunier        | cl@egu.eu                        |
| Programme Group Chair | Thomas Blunier        | cl@egu.eu                        |
| Science Officers      | Jules Hargeaves       | juleswork@mac.com                |
|                       | Jan-Berrend Stuut     | jbstuut@nioz.nl                  |
|                       | Martin Wild           | martin.wild@env.ethz.ch          |
| Publications          | Denis-Didier Rousseau | denis.rousseau@lmd.ens.fr        |
| Awards & Medals       | Dominique Raynaud     | raynaud@lgge.obs.ujf-grenoble.fr |
|                       | Martin Claussen       | martin.claussen@zmaw.de          |





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## Future CL Structure

|                                |                             |  |
|--------------------------------|-----------------------------|--|
| President                      | Thomas Blunier              | <a href="mailto:cl@egu.eu">cl@egu.eu</a>   |
| Programme Group Chair          | Thomas Blunier              | <a href="mailto:cl@egu.eu">cl@egu.eu</a>   |
| Deputy-president               | <b>Natalie Kehrwald</b>     | <a href="mailto:kehrwald@unive.it">kehrwald@unive.it</a>                               |
| Science Officers               | Jules Hargeaves             | <a href="mailto:juleswork@mac.com">juleswork@mac.com</a>                               |
|                                | Jan-Berrend Stuut           | <a href="mailto:jbstuut@nioz.nl">jbstuut@nioz.nl</a>                                   |
|                                | Martin Wild                 | <a href="mailto:martin.wild@env.ethz.ch">martin.wild@env.ethz.ch</a>                   |
| Publications                   | Denis-Didier Rousseau       | <a href="mailto:denis.rousseau@lmd.ens.fr">denis.rousseau@lmd.ens.fr</a>               |
| Awards & Medals                | Dominique Raynaud           | <a href="mailto:raynaud@lgge.obs.ujf-grenoble.fr">raynaud@lgge.obs.ujf-grenoble.fr</a> |
|                                | Andrey Ganopolski           | <a href="mailto:andrey@pik-potsdam.de">andrey@pik-potsdam.de</a>                       |
| Young Scientist Representative | <b>Julie Durcan</b>         | <a href="mailto:julie.durcan@bnc.ox.ac.uk">julie.durcan@bnc.ox.ac.uk</a>               |
| Outreach                       | <b>Jennifer D. Stanford</b> | <a href="mailto:J.D.Stanford@swansea.ac.uk">J.D.Stanford@swansea.ac.uk</a>             |
| OSP Coordinator                | NN                          | -  |

*Approved in the division meeting*



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- Outstanding Student Poster (OSP).
- 4 awards from EGU 2013.
- Each laureate:
  - Has name, picture, poster published on EGU medals/awards homepage;
  - Appears in EGU newsletter;
  - Receives conference fee waiver for the next EGU General Assembly.



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## Awards & Medals

### Outstanding Student Poster (OSP) Awards 2013

#### Climate: Past, Present & Future



#### **Joyce Bosmans**

The 2013 Outstanding Student Poster (OSP) Awards is awarded to Joyce Bosmans for the poster entitled:

*Obliquity signals at low latitudes* (Bosmans, J.; Lourens, L.; Hilgen, F.).

#### **Resumé:**

Joyce Bosmans is a PhD student at the Faculty of Geosciences at the University of Utrecht, as well as the Royal Netherlands Meteorological Institute (KNMI), the Netherlands. She investigates how changes in the Earth's orbit affect climate, specifically low-latitude climate. Using a high-resolution general circulation model, EC-Earth, she performed experiments of Mid-Holocene as well as extreme precession and obliquity orbital forcing (i.e. changes in the distribution of insolation). The EGU 2013 poster on "Obliquity signals at low latitudes" focusses on a direct mechanism through which obliquity changes can affect low-latitude climate, namely the summer inter-tropical insolation gradient. This work shows that obliquity, which has very little direct effect on low-latitude insolation, can affect low-latitude climate without high-latitude influence.



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## Awards & Medals

### Outstanding Student Poster (OSP) Awards 2013

#### Climate: Past, Present & Future



#### **Benjamin Quesada**

The 2013 Outstanding Student Poster (OSP) Awards is awarded to Benjamin Quesada for the poster entitled:

*Diatom-inferred  $\delta^{18}O$  of a Bolivian paleolake during the last deglaciation (18.6-11.7 ka): Impact of paleolake evaporation and water recycling on the isotopic composition of Andean glaciers* (Quesada, B.; Sylvestre, F.; Vimeux, F.; Black, J.; Paillès, C.; Sonzogni, C.; Alexandre, A.; Blard, P. H.; Bruneton, H.).

Click [here](#) to download the poster as PDF-file.

#### **Resumé:**

Benjamin Quesada obtained a master's degree in Climate Sciences from the University of Versailles-Saint-Quentin-en-Yvelines (UVSQ) and is now PhD student, cofounded by CEA and Aria Technologies, at the LSCE laboratory in France. His master thesis in CEREGE laboratory focused on hydrologic and isotopic exchanges between deep andean paleolake Tauca (~18-14 ka) and nearby Sajama ice core using the  $\delta^{18}O$  isotopic information contained in diatoms, micro-algae organisms. Through an experimental diatom-reconstruction of the lake water  $\delta^{18}O$  during this hydrological extreme, this study suggests that the lake evaporation could have substantially affected the isotopic composition of precipitation on the Sajama summit during the last deglaciation.



## Awards & Medals

### Outstanding Student Poster (OSP) Awards 2013

#### Climate: Past, Present & Future



#### Lea Levi

The 2013 Outstanding Student Poster (OSP) Awards is awarded to Lea Levi for the poster entitled:

*Hydroclimatic change driven by land-water-use developments: the case of transboundary Sava River Catchment, South Eastern Europe* (Levi, L.; Jaramillo, F.; Andričević, R.; Destouni, G.).

Click [here](#) to download the poster as PDF-file.

#### Resumé:

Lea Levi is a PhD Student at the Royal Institute of Technology, KTH, Stockholm (Sweden) and at the Faculty of Civil Engineering and Architecture, University of Split (Croatia). Her research focuses on two major goals: 1) detecting and quantifying antropogenic influences on hydro-climatic changes within Sava River Catchment; 2) developing a general quantitative characterization approach to the key nutrient transport and fractionation-retention-attenuation components, related to the new and old nutrient source inputs; the water flow and flow partitioning, the physical transport processes and time scales, the natural biogeochemical attenuation processes and time scales which determine the total nutrient cycling and mass delivery from the multiple sources in hydrological catchments to their downstream inland and coastal water recipients. The EGU 2012 poster presents a study done within a collaboration with the Stockholm University (Sweden) on "Hydroclimatic change driven by land-water-use developments: the case of transboundary Sava River Catchment, South Eastern Europe". The study detects evapotranspiration and runoff changes directly related to the land and water use changes associated with hydropower development and offers support for using basin water balance methodology at various scales and in different world regions in order to detect drivers of hydroclimatic effects by using proxy tools.



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## Awards & Medals

### Outstanding Student Poster (OSP) Awards 2013

#### Climate: Past, Present & Future



#### **Christine Batchelor**

The 2013 Outstanding Student Poster (OSP) Awards is awarded to Christine Batchelor for the poster entitled:

*Reflection seismic investigations of the Beaufort Sea margin, Arctic Ocean: variable history of Quaternary ice-sheet advance* (Batchelor, C. L.; Dowdeswell, J. A.; Pietras, J. T.).

Click [here](#) to download the poster as PDF-file.

#### **Resumé:**

Christine Batchelor is a PhD student at the Scott Polar Research Institute, University of Cambridge. Her 2013 EGU poster details the primary results of her thesis, in which high-resolution two-dimensional seismic reflection data are used to interpret the seismic stratigraphy and architecture of the Canadian Beaufort Sea margin. The number of Quaternary ice advances across the Beaufort Sea continental shelf is shown to vary markedly between the Mackenzie Trough (two) and the Amundsen Gulf Trough (at least nine). Whereas the slope beyond the Mackenzie Trough lacks a significant glacial-sedimentary depocentre, major trough-mouth fans are present beyond the Amundsen Gulf and M'Clure Strait troughs. Ice streams in Amundsen Gulf and M'Clure Strait delivered large quantities of ice and sediment from the Laurentide Ice Sheet to the Arctic Ocean through much of the Quaternary.



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## EGU General Assembly 2014 Facts

As of 26 April, the Assembly 2014 provides:

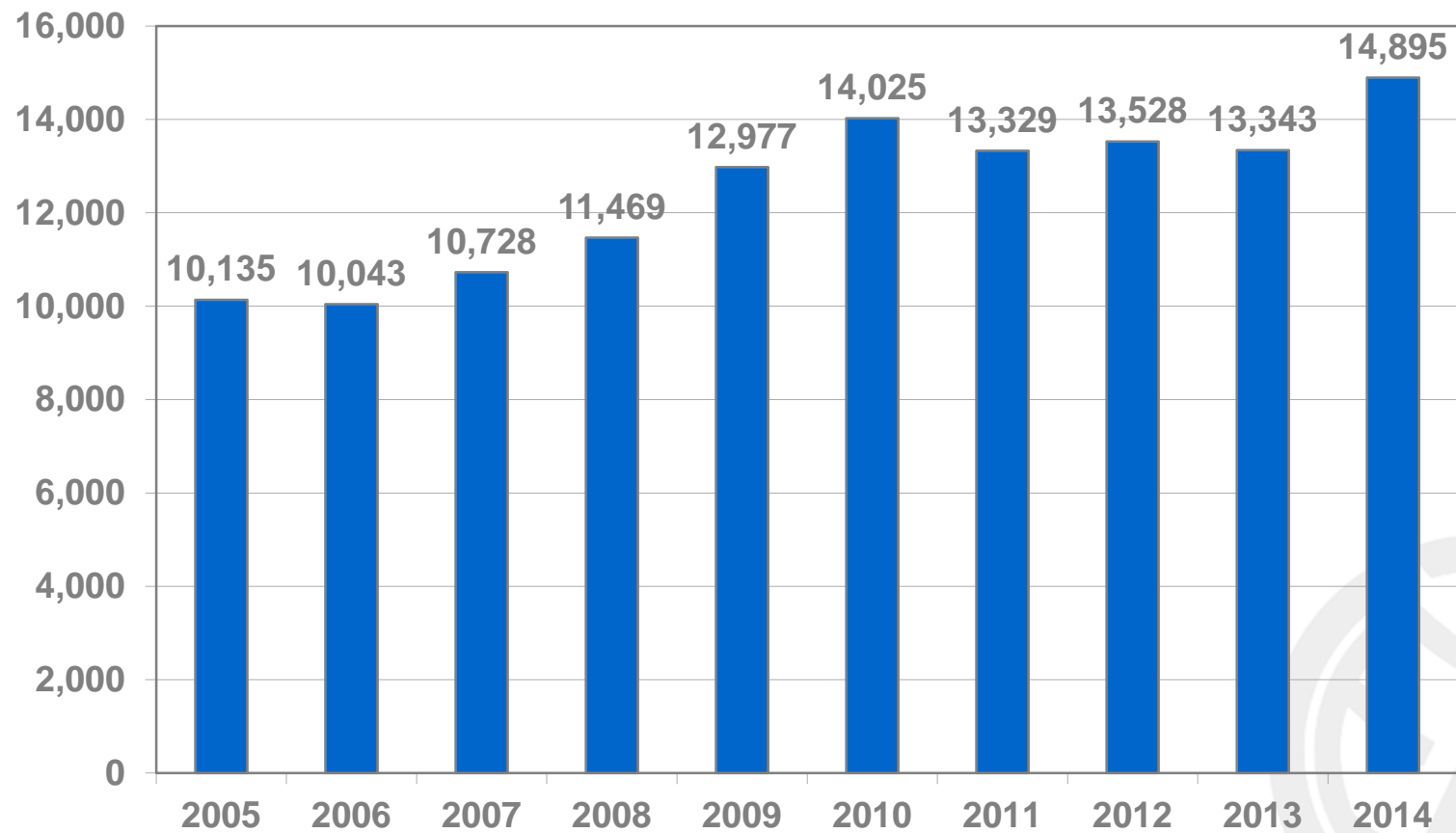
- 14,895 Papers in Programme | +11.6% (2013)
- 4,829 Orals | 9,583 Posters | 483 PICOs | Ratio 32 / 64 / 3
- 568 unique scientific Sessions | 126 PSD Sessions | 245 Side Events\*
- 10,261 Registrations in Advance (10,176 already paid) | +3.9% (2013)

\*Side Events include: GDB, EG, EOS, ML, KL, TM, SC, SPM, DM, EBM, UM



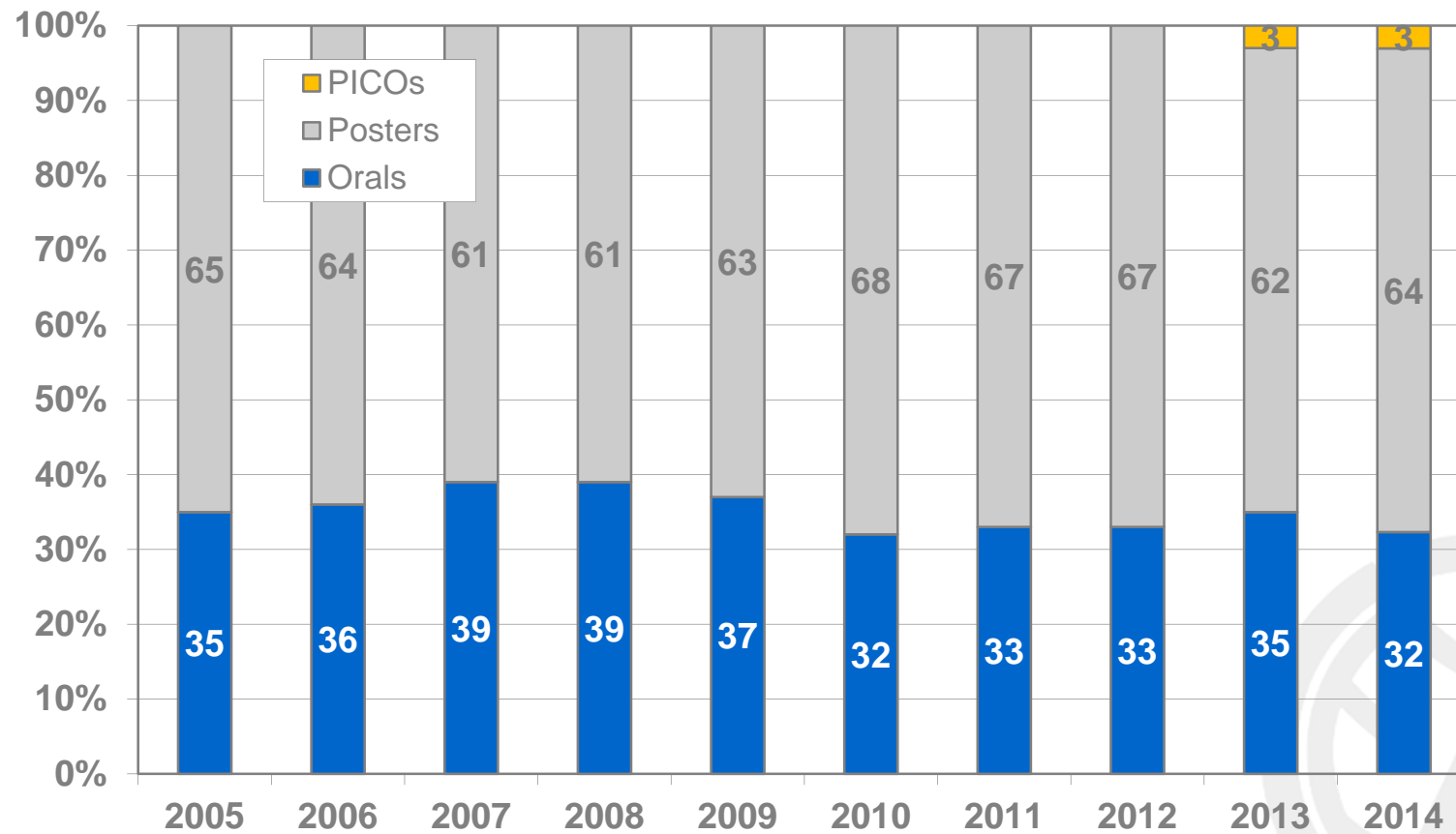


## Papers in Programme 2005–2014



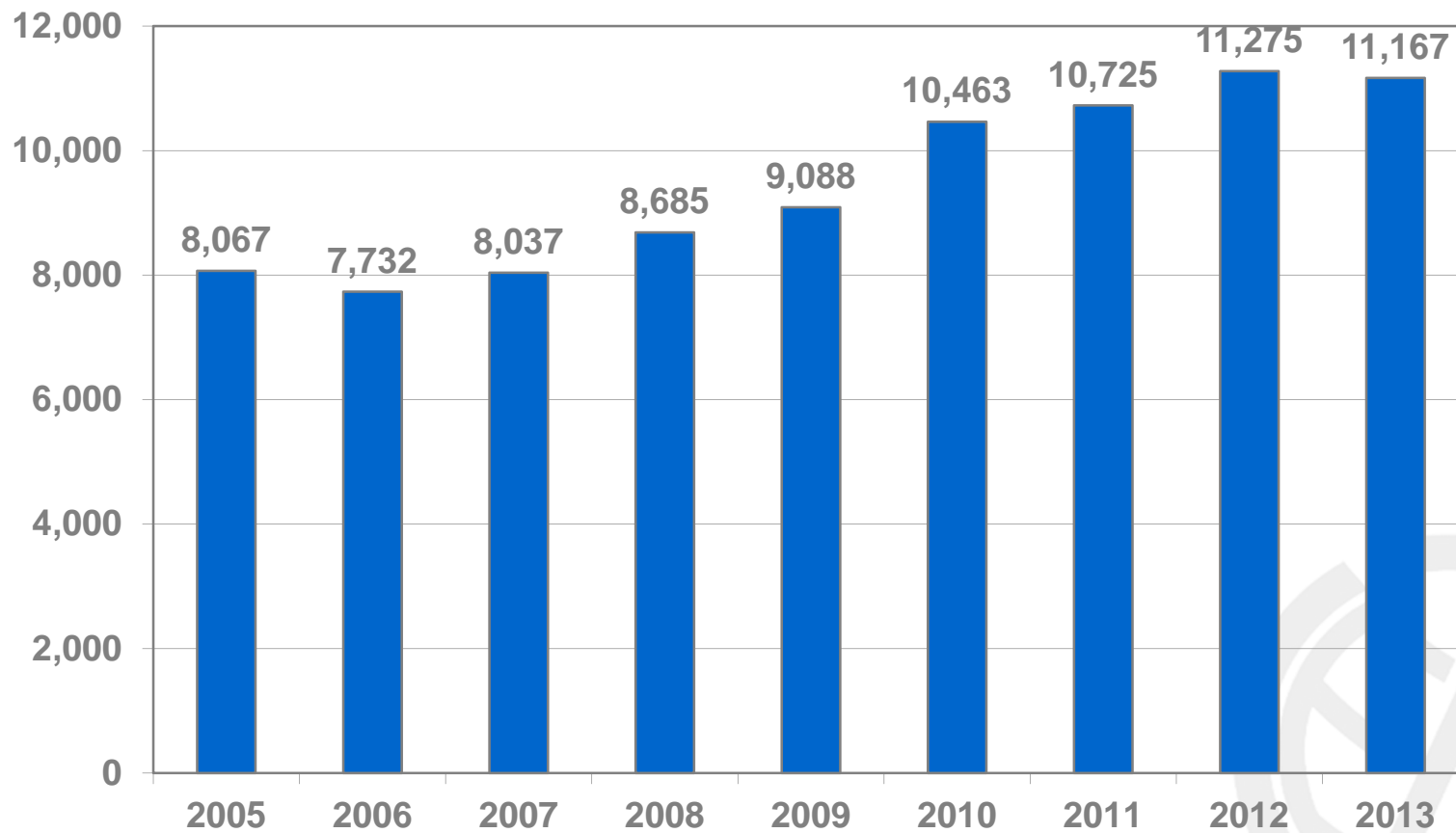


## Presentation Ratio 2005–2014





## Participants at EGU Assemblies 2005–2013





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## Some GA 2014 statistics

### Programme Group Statistics

| Scheduled            | Total: 1,721  |
|----------------------|---|
| Status               | Active: 1,687 (98%)<br>Withdrawn: 34 (2%)                   |
| Support Applications | None: 1,687 (98%)   |
| Presentations        | Orals: 495 (29%)<br>Posters: 1,110 (64%)<br>PICOs: 116 (7%) |

■ [Show Statistics for all Programme Groups](#)

### Meeting Statistics

| Scheduled        | Total: 15,634   |
|------------------|---|
| Status           | Active: 15,032 (96%)<br>Withdrawn: 602 (4%)                   |
| Granted Supports | None: 14,761 (98%)<br>YSTA: 255 (2%)<br>ESTA: 16 (0%)         |
| Presentations    | Orals: 4,851 (31%)<br>PICOs: 974 (6%)<br>Posters: 9,694 (62%) |



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## 2014

| Programme Group |                                       | Lead Sessions |     |       | Co-org. Sessions |       | Total |       |
|-----------------|---------------------------------------|---------------|-----|-------|------------------|-------|-------|-------|
|                 |                                       | #Abs.         | %   | #Ses. | #Abs.            | #Ses. | #Abs. | #Ses. |
| <b>SPM</b>      | Splinter Meetings                     | 0             | 0%  | 116   | 0                | 0     | 0     | 116   |
| <b>AS</b>       | Atmospheric Sciences                  | 1,413         | 10% | 45    | 576              | 17    | 1,989 | 62    |
| <b>BG</b>       | Biogeosciences                        | 712           | 5%  | 30    | 487              | 19    | 1,199 | 49    |
| <b>CL</b>       | Climate: Past, Present, Future        | 1,113         | 7%  | 40    | 504              | 18    | 1,617 | 58    |
| <b>CR</b>       | Cryospheric Sciences                  | 394           | 3%  | 20    | 100              | 4     | 494   | 24    |
| <b>EMRP</b>     | Earth Magnetism & Rock Physics        | 182           | 1%  | 8     | 287              | 8     | 469   | 16    |
| <b>ERE</b>      | Energy, Resources and the Environment | 365           | 2%  | 16    | 223              | 6     | 588   | 22    |
| <b>ESSI</b>     | Earth & Space Science Informatics     | 265           | 2%  | 19    | 171              | 6     | 436   | 25    |



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## CL scheduling

|                   | 2013 | 2014 |
|-------------------|------|------|
| Oral Preference   | 634  | 621  |
| Poster Preference | 447  | 473  |
| Total             | 1081 | 1094 |
|                   |      |      |
|                   |      |      |
|                   |      |      |
| Oral Blocks       | 63   | 60   |
| Orals             | 372  | 354  |
|                   |      |      |
| Picos             | 66   | 55   |

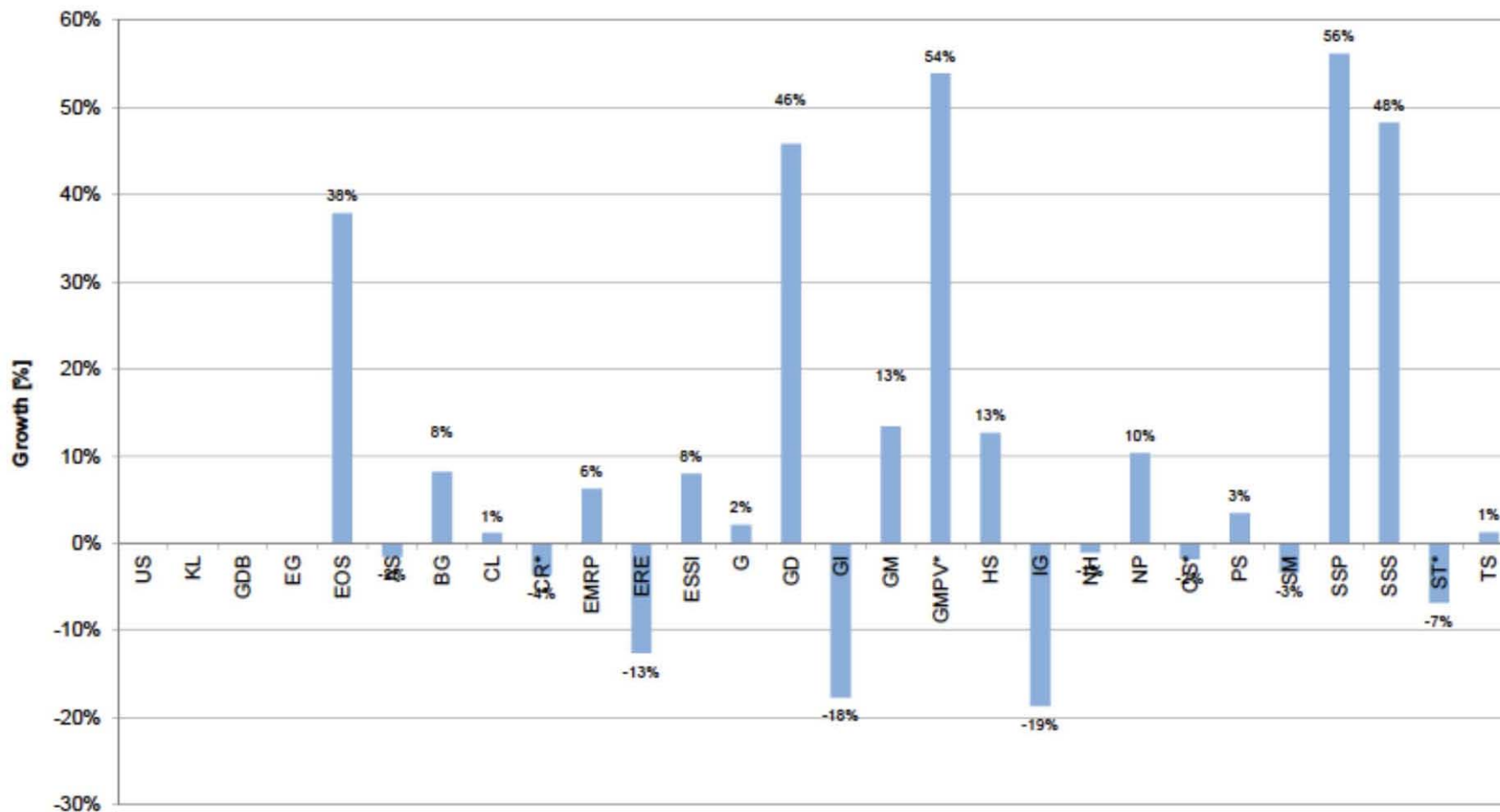


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## Growth rate 2013 to 2014







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### Organization of the scientific program in 6 subsections:

- CL1 - Intergovernmental Panel on Climate Change AR5
- CL2 - Past climates
- CL3 - Present climate
- CL4 - Future climate
- CL5 - Past-Present-Future climates
- CL6 - Tools for climate studies

### CL rooms:

- Y6 117 PAX
- Y8 120 PAX
- Y9 531 PAX

Preference is given to co-organized sessions rather than co-listed sessions.



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Traditional poster sessions in block 5 every day

### NEW PICO sessions

CL5.12 Solar Influence on the Middle Atmosphere and Dynamical Coupling to the Troposphere and the Ocean

Katja Matthes, Margit Haberreiter

Mon, 28 Apr, 13:30-17:00

CL2.11 New insights in to late Quaternary environmental change from ultra high-resolution studies of ice cores

Ed Brook, Rachael Rhodes, Bo Vinther, Thomas Blunier

Tue, 29 Apr, 15:30-17:00

CL2.13 Paleoclimates records in continental archives

Nathalie Fagel, Marie- France Loutre , Sophie Verheyden

Wed, 30 Apr, 08:30-12:00





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**PSD Poster Summaries & Discussions  
will disappear in 2015**

**The future is:**





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### **Medals at Division level:**

- **The Division Outstanding Young Scientists Awards**
- **The Division medals for mid-career scientists.**

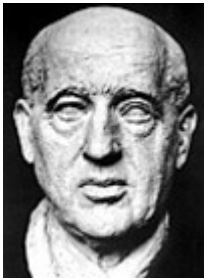


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## Milutin Milankovic Medal



This medal has been established by the Division on Climate: Past, Present & Future in recognition of the scientific and editorial achievements of Milutin Milankovic. This medal is reserved for scientists for their outstanding research in long term climatic changes and modeling.



## Hans Oeschger Medal



This medal has been established by the Division on Climate: Past, Present & Future in recognition of the scientific achievement of Hans Oeschger. It is reserved for scientists for their outstanding achievements in ice research and/or short term climatic changes (past, present, future).





# European Geosciences Union

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## Division Outstanding Young Scientists Award 2014

### Climate: Past, Present & Future



#### **Nick J. Dunstone**

The 2014 Division Outstanding Young Scientists Award is awarded to Nick J. Dunstone for his contributions to our understanding of the coupled ocean-atmosphere climate system and its predictability.

#### **Resumé:**

Nick J. Dunstone has made multiple key contributions to our understanding of the predictability of the coupled ocean-atmosphere climate system, in terms of both natural variation and that caused by anthropogenic impact. Dunstone has published several papers in the field, most of which have appeared in journals of the highest standard. His latest work raises the possibility that most of the 20th century variability in Atlantic hurricanes is due to fluctuations in anthropogenic aerosols – a result with enormous scientific implications and socio-economic importance.

He is an excellent verbal and written communicator and his work has been repeatedly highlighted by journal editors. Previous studies led to an improved understanding of how aerosol emissions have affected North Atlantic Ocean temperatures in the 20th century. Aerosol-cloud interactions are only now starting to be fully represented in modern climate models and Dunstone's work is at the forefront of the field. Dunstone has also worked to improve the methods and techniques of decadal climate prediction as well as working collaboratively on solar-climate variations and seasonal predictions of European climate. He is a very worthy recipient of the Division Outstanding Young Scientists Award.





**Met Office**  
Hadley Centre

# Nick Dunstone

Decadal climate prediction scientist, Met Office Hadley Centre, UK



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## Hans Oeschger Medal lecture



**Sherilyn C. Fritz**

**Through Layers of Mud and Time: Lacustrine Archives of Quaternary Climate Variation**

**Mon, 28 Apr, 13:30-14:30 / Room Y9**



## Milutin Milankovic Medal lecture



**Maureen E. Raymo**

**The Ocean  $\delta^{18}\text{O}$  Record, Ice Volume, and Sea Level: Four Million Years of Natural Climate Variability**

**Thu, 01 May, 10:30-11:30 / Room Y9**





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### Hans Oeschger Medal 2010



**Françoise Gasse**

**CEREGE, Centre de Recherche et d'Enseignement de  
Géosciences de l'Environnement**



**The 2010 Hans Oeschger Medal is awarded to Françoise Gasse for her contribution to the reconstruction of climate variability during the Holocene from continental archives and to a better understanding of climate mechanisms involved during this period.**



## European Geosciences Union

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[www.egu.eu/awards-medals/proposal-and-selection-of-candidates/](http://www.egu.eu/awards-medals/proposal-and-selection-of-candidates/)

### Proposal and Selection of Candidates Nomination Guidelines

...

Nominations for all the medals and awards are to be sent to the e-mail address [awards.medals@egu.eu](mailto:awards.medals@egu.eu) by **15 June** of each year (absolute deadline) in pdf format. **Only EGU members can submit nominations for all EGU medals and awards.** Then, proposals will be forwarded to the Chair of the relevant Medal Committee.

Nominations for EGU Medals and Awards are not automatically renewed for the subsequent year. A person can receive one EGU medal or award only each year. **Self nominations are not accepted.**



# European Geosciences Union

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## **A nomination package for the Division and Union medals should consist of the following:**

- Nomination letter (1 page). ...
- Curriculum Vitae (2 pages). ...
- Selected bibliography (2 pages). ...
- Supporting letters. Between 3 and 5 letters of support (maximum 1 page each) ...

## **A nomination package for the Outstanding Young Scientist Award should consist of the following:**

- Nomination letter (1/2 page) ...
- Curriculum Vitae (1 page) ...
- Selected bibliography (1/2 page)...



# European Geosciences Union

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## Selection of Candidates

Candidates for the Union and Division medals are evaluated by the respective Union and Division medal committees before final approval by the Council.

Candidates for the Outstanding Young Scientist Award are first evaluated by the relevant Division Officers who forward the best candidate to the Chair of the Union Award Committee. 4 candidates are then selected by the Council and awarded at the Union level (Union Award). The remaining best candidates are awarded by the relevant Division (Division Award).



## European Geosciences Union

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**Approved in the division meeting**

### **Hans Oeschger medal committee**

Dominique Raynaud (chair)

**Sheri Fritz, replacing Jean Jouzel**

Myriam Bar-Matthews

Michael Mann

Ray Bradley

Robert Delmas

### **Milutin Milankovic medal committee**

**Andrey Ganopolski (chair), replacing Martin Claussen**

**Maureen Raymo (new)**

Didier Paillard

Wolfgang Berger

André Berger

Ex-officio CL and Award committee presidents



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## Awards & Medals Nominations

Please, make sure that you read the [nomination guidelines](#) and the [nomination checklist](#) before you send your nomination.

Fill the following form and press "Send Application". Fields marked with \* are required.

All submissions are checked for conformity and you should receive an acknowledgement receipt within the next seven days. If you have any questions, please do not hesitate to [contact us](#).

### Nomination Details

#### Award \*

#### Name of the nominee \*

#### Email of the nominee \*

#### Nomination package \*

Either upload a single PDF file or a ZIP/TAR/TGZ archive containing multiple PDF documents

Keine Datei ausgewählt.

#### Nominator(s)

|                      |                      |
|----------------------|----------------------|
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### Contact Details

#### Your name \*

#### Your email \*







# European Geosciences Union

Division on  
**Climate: Past, Present & Future**



## Agenda

1. EGU
2. CL Organisation
3. Awarding of OSP awards from EGU 2013
4. EGU and CL 2014 Statistics
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8. **Journals relevant to CL**
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# Climate of the Past

An Interactive Open Access Journal of the European Geosciences Union

## Climate of the Past 2013 facts and data

Vienna, 17<sup>th</sup> April, 2014





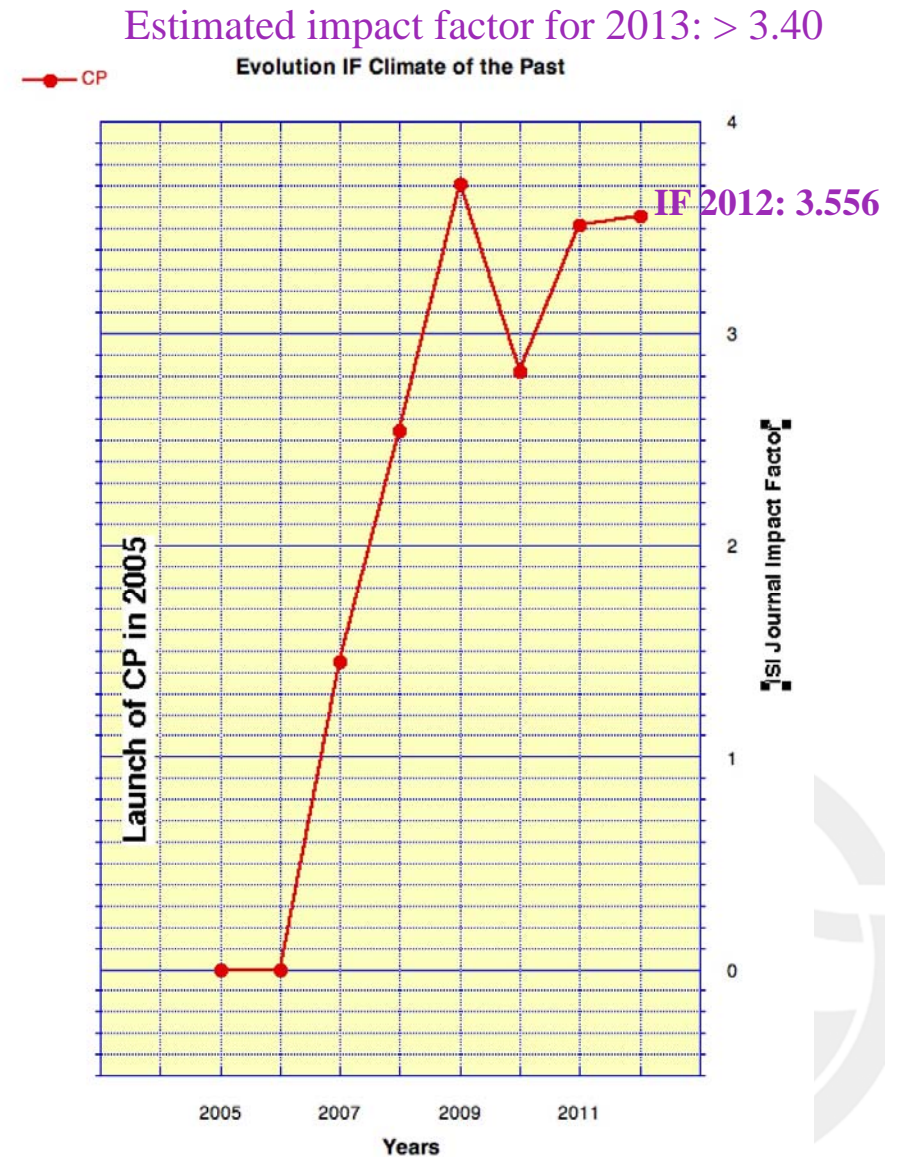
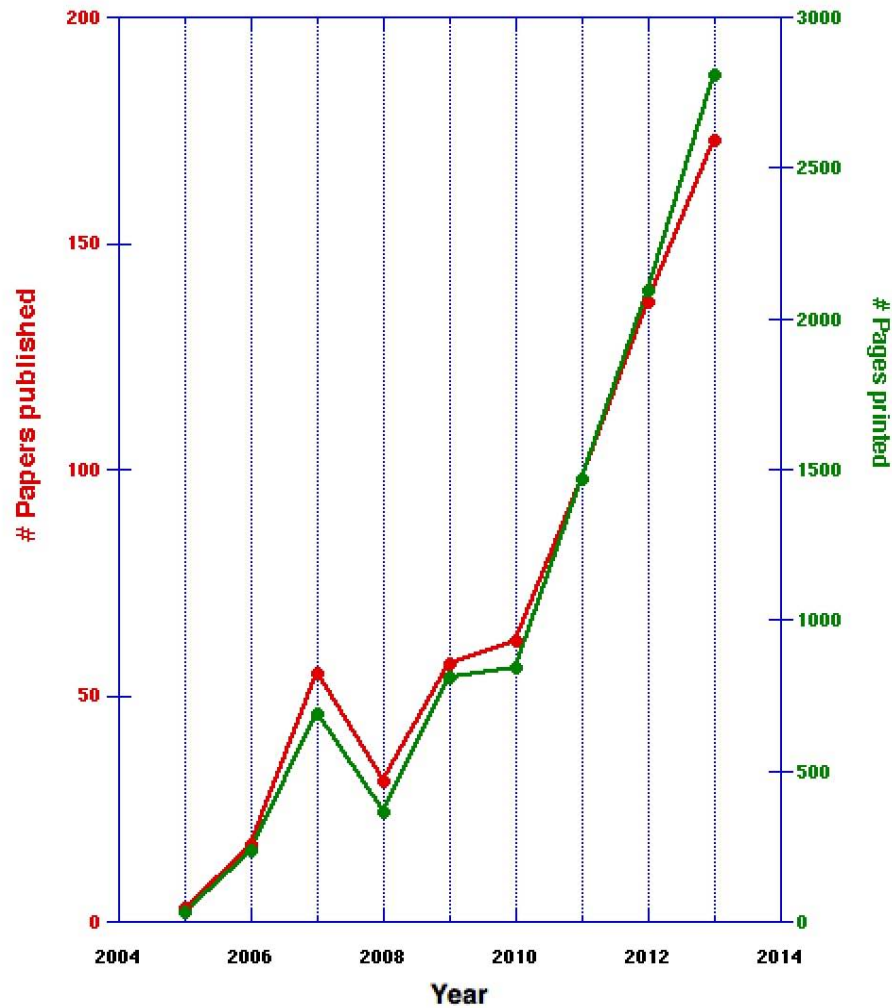
## 2013 summary

- Increasing number of submissions and therefore published papers (2807 published pages in 2013 vs. 2092 in 2012). Several have been highlighted in GeoQ by Clim Past editors.
- H Fischer et al manuscript about the search for the old ice in Antarctica, one of the key issue of the international IPICS program (2867 views and downloads in November 2013 while released 5 November 2013).
- increasing submissions for deeper climates, which is a good sign that the journal is not only covering the Quaternary
- On the editorial side, Valérie Masson-Delmotte had her editorial activity frozen last year to prevent any conflict of interest with IPCC AR5 WG1.
- Gerald Ganssen, co-founder and former co-editor in chief of Clim. Past stepped down from the editorial board. He was awarded Honorary Editor of the journal.
- And last but not the least, Marie-France Loutre officially took over Hugues Goosse who stepped down as co-editor in chief after EGU 2013; and Thorsten Kiefer will take over DDR as chief of the chiefs for 2014-2015



## 2 - Current status of CP: impact factor

### Climate of the Past evolution





## Climate of the Past

An Interactive Open Access Journal of the European Geosciences Union

| EGU.eu |

| EGU Journals | Contact |

## submissions and different statistics available

| <b>Publications</b>  | <b>CPD</b>                            | <b>CP</b>                            |
|----------------------|---------------------------------------|--------------------------------------|
| Total Papers         | 183                                   | 172                                  |
| Regular Papers       | 112 (61.2%)                           | 80 (46.5%)                           |
| Special Issue Papers | 71 (38.8%)                            | 92 (53.5%)                           |
| Total Pages          | 6646                                  | 2713                                 |
| Regular Pages        | 3897 (58.6%)                          | 1226 (45.2%)                         |
| Special Issue Pages  | 2749 (41.4%)                          | 1487 (54.8%)                         |
| Pages per Article    | Average 36, Median 36, Min 13, Max 71 | Average 16, Median 15, Min 6, Max 33 |





## special issues

| Year                         | Special Issues   |
|------------------------------|--|
| <b>2014</b><br>In completion | <ul style="list-style-type: none"><li>▣ <a href="#">"The Past: A Compass for Future Earth – PAGES Young Scientists Meeting 2013"</a><br/>Eds. G. Chen, A.-L. Daniau, M. E. de Porras, A. Elmore, K. Mills, R. Saraswat, S. Phipps, A. Reyes, and T. Kiefer</li></ul>   |
| <b>2013</b><br>In completion | <ul style="list-style-type: none"><li>▣ <a href="#">"Western Pacific paleoceanography – an ocean history perspective on climate variability at orbital to centennial scales"</a><br/>Eds. L. Beaufort, M.-T. Chen, M. Mohtadi, and M. Yamamoto</li></ul>   |
| Completed                    | <ul style="list-style-type: none"><li>▣ <a href="#">"The changing Arctic and Subarctic environment: proxy- and model-based reconstructions of Holocene climate variability in the northern North Atlantic"</a><br/>Eds. J. Giraudeau, H. Renssen, J. Knies, and D.-D. Rousseau</li></ul>   |
| Still opened                 | <ul style="list-style-type: none"><li>▣ <a href="#">"Integrated analysis of interglacial climate dynamics"</a><br/>Eds. M. Schulz, A. Paul, H. Fischer, U. Herzschuh, and H. Goosse</li></ul>  |
| In completion                | <ul style="list-style-type: none"><li>▣ <a href="#">"International Partnerships in Ice Core Sciences (IPICS): 2012 First Open Science Conference (CP/TC Inter-Journal SI)"</a><br/>Eds. C. Barbante, K. Kawamura, A.N. LeGrande, G. Winckler, J. Chappellaz, E. Wolff, M. Albert, R. Greve, E. Isaksson, and M. Van den Broeke</li></ul> |



## special issues proposed

Presently 3 SI have been yet proposed:

- One following the international workshop “*Mediterranean Holocene climate and human societies*” proposed by Karin Holmgren
- One about Pliocene modeling experiments “*PlioMIP Phase 2: Experimental Design, Implementation and Outputs*” proposed by Aisling Dolan
- One about “*Millennial-scale climate variability during the last glacial in the American tropics and subtropics* » by Dunia Urrego



# Climate of the Past

An Interactive Open Access Journal of the European Geosciences Union

| EGU.eu |

### Co-Editors-in-Chief

- Carlo Barbante
- Thorsten Kiefer
- Marie-France Loutre
- Denis-Didier Rousseau

cp-co-editors-in-chief@ mailinglists.copernicus.org

### Additional Information

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<http://publications.copernicus.org>



# Climate of the Past

Interactive Open Access Journal

# Thank you very much for your attention



[www.climate-of-the-past.net](http://www.climate-of-the-past.net)



and discussion of research articles, short communications and review papers on the climate history of the Earth.

[www.climate-of-the-past.net](http://www.climate-of-the-past.net)

Flier and poster available at:

[http://www.climate-of-the-past.net/general\\_information/public\\_relations.html](http://www.climate-of-the-past.net/general_information/public_relations.html)





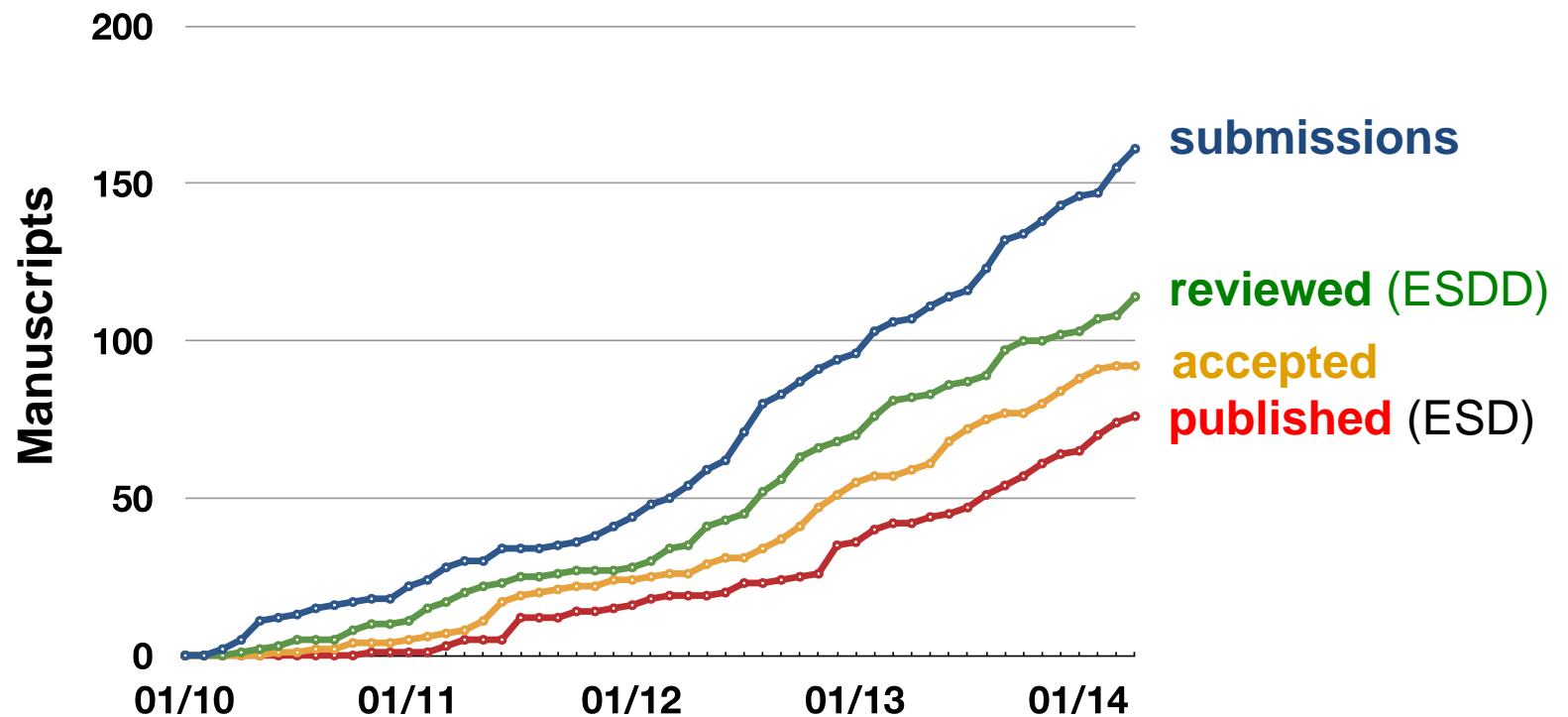


## Earth System Dynamics

- **interdisciplinary** journal of the EGU: focus on Earth as a system
  - **Dynamics** of the Earth system: e.g., theory, climatology, atmosphere-ocean dynamics, land-atmosphere interactions
  - Earth system **change**: e.g., climate prediction, future climate change, impacts of climatic change, integrated assessment
  - **Management** of the Earth system: e.g., carbon sequestration, climate engineering, renewable energy
- open review, open access model of Copernicus
- relatively new, **ISI-listed** since 2013
- no page charges in 2014
- chief editors: Axel Kleidon, Valerio Lucarini, Ning Zeng
- editorial board: 28 editors, international, still growing



## Submissions since 2010





## Example Publications of 2013

Bathiany, S., Claussen, M., and Fraedrich, K.: **Detecting hotspots of atmosphere–vegetation interaction via slowing down – Part 1: A stochastic approach**, Earth Syst. Dynam., 4, 63-78, 2013.

Séférian, R., Bopp, L., Swingedouw, D., and Servonnat, J.: **Dynamical and biogeochemical control on the decadal variability of ocean carbon fluxes**, Earth Syst. Dynam., 4, 109-127, 2013.

Schaller, N., Cermak, J., Wild, M., and Knutti, R.: **The sensitivity of the modeled energy budget and hydrological cycle to CO<sub>2</sub> and solar forcing**, Earth Syst. Dynam., 4, 253-266, 2013.

Menon, A., Levermann, A., Schewe, J., Lehmann, J., and Frieler, K.: **Consistent increase in Indian monsoon rainfall and its variability across CMIP-5 models**, Earth Syst. Dynam., 4, 287-300, 2013.

P. Dass, C. Müller, V. Brovkin, and W. Cramer: **Can bioenergy cropping compensate high carbon emissions from large-scale deforestation of high latitudes?** Earth Syst. Dynam., 4, 409-424, 2013.



## More Information?

Contact the chief editors regarding questions about submissions, special issues, involvement and other issues:

- Axel Kleidon ([akleidon@bgc-jena.mpg.de](mailto:akleidon@bgc-jena.mpg.de))
- Valerio Lucarini ([valerio.lucarini@zmaw.de](mailto:valerio.lucarini@zmaw.de))
- Ning Zeng ([zeng@atmos.umd.edu](mailto:zeng@atmos.umd.edu))



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# Young scientists in the EGU

- A young scientist is someone who is less than 35 years old or has achieved their highest degree within the last 7 years.
- Approximately 1/3 of EGU members are young scientists & it is important that your voices are heard.
- The YS website provides information for early career researchers at [www.egu.eu/young-scientists/](http://www.egu.eu/young-scientists/) including careers, financial support, events & resources.





# Your YS representative

- YS rep provides a crucial link between the YS community & the EGU.
- They also maintain and promote a supportive environment for young scientists within the union.
- Activities include:
  - Communicate your science video competition
    - Twitter @EGU\_Climate
  - 'I'm a scientist' outreach program
  - GA social event
- Contact me with questions, comments, feedback etc. [julie.durcan@ouce.ox.ac.uk](mailto:julie.durcan@ouce.ox.ac.uk) @durcanjulie





# YS activities at the Assembly

- **Young scientists lounge (red level)** – a space to meet up & socialise with others. Refreshments are available & a bulletin board allows informal communication.
- **YS session shortlist** – sessions with a YS focus are listed at <http://www.egu.eu/young-scientists/at-the-assembly/sessions/>
- **Social** – come along & meet me & other young scientists in the division. Meeting at **Kolar Bar** (Kleeblattgasse near Stephansplatz U-bahn) on **Thu 01 May at 8 pm** (map & details on bulletin board in YS lounge).







- Outreach **Jennifer D. Stanford**





## **The Climate Division Outreach and Education Activities**

- (1) What are the EGU already supporting and what are other divisions doing?**
- (2) What are our needs and how can this be met?**
- (3) Innovation and visibility – IPCC?**





## **What are the EGU Supporting?**

**The EGU aims to “promote the geosciences and the solar system sciences beyond the scope of the By-laws of the Union. This includes, but is not restricted to:**

**People, institutions, organisation or scientific unions, both within and outside Europe**

**With national or international geosciences societies outside of Europe, to mutual benefit**

**Social problems related to geosciences, to decision makers and non-scientific public, primarily but not exclusively in Europe**

**International Conferences and Workshops on the topics of Geosciences outside of Europe, to be held in and jointly organised with scientists/institutions from the regions**

**Activities already happening include:**

**GeoQ, blogs + social media, women in science mentoring programme, Immageo and EGU TV**

**Geoscience Information for Teachers (GIFT) Workshop**



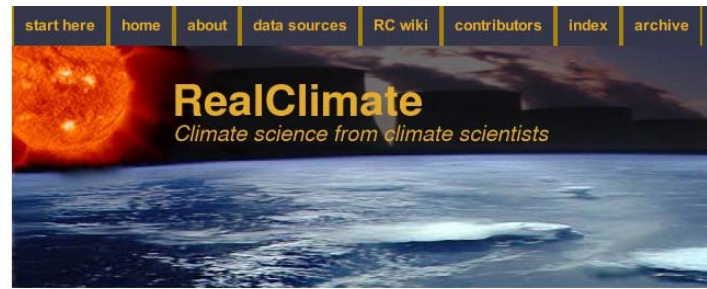


# What does the Climate Division need?

Enhance multi-disciplinary working  
**VISIBILITY and EDUCATION**  
IPCC

- Policy makers/Brussels/media
- Network of Scientists from the various working groups and organisations
- A website that is just a 'host' for the network
- Blog site
- RealClimate - Fantastic site, but do the positives outweigh the negatives?
- Need something that is Eurocentric.

Competition for schools children – get them to engage with 'real science'.  
Maybe a poster competition??  
I'm a Scientist, get me out of here!

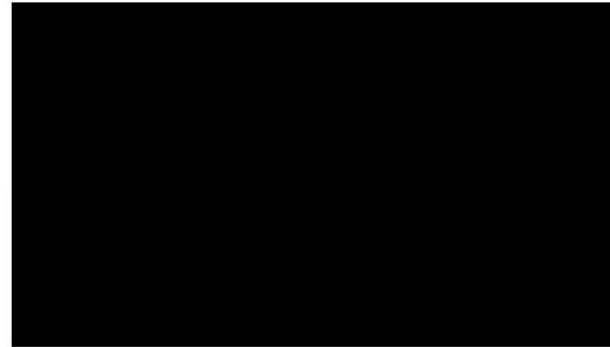


**Technical Note:** We have changed the contact email for the blog to reduce the amount of unsolicited email. If you want to contact us at the blog, please use [contact-at-realclimate.org](mailto:contact-at-realclimate.org).

### PBS: Climate of Doubt

Filed under: [Climate Science](#) [Communicating Climate](#) [skeptics](#) — gavin @ 24 October 2012

The video of Tuesday's PBS show on the politics of the climate debate is available – I make a minor appearance...



The [PBS website](#) has more background.

[Comments \(pop-up\) \(96\)](#)

### A sea level Golden Horseshoe nominee\*

Filed under: [Climate Science](#) [Oceans](#) [skeptics](#) — gavin @ 14 October 2012

I was reading a sign high on the wall behind the bar:

'Only genuine pre-war British and American whiskeys served here'

I was trying to count how many lies could be found in those nine words, and had reached four, with promise of more ..."

Dashiell Hammett, "The Golden Horseshoe"

Google News occasionally throws up some obscure postings that I would never otherwise come across. A recent example was a [letter to an editor](#) of a Scottish newspaper (not my usual reading material) declaring that "Climate change is not man-made". The letter itself is uninteresting – a basic confusion between weather and climate seguing into a NIMBY-ish rant about windmills. Ho hum.

However, in one of the comments from a "Dr John Cameron, St Andrews" (posted 9/Oct/2012), there was this unrelated pseudo-factoid:

As regards the catastrophic sea level rise in the Pacific, it became obvious some 20 years ago that results from island tide gauges did not support computer

Search

Scientific American 2005 Science & Technology WEB AWARDS

part of the Guardian Environment Network

Guide to RC [plunger](#) ZVON.org

**Recent Comments**

- Unforced variations: Oct 2012: Thomas Lee Ellfritz
- PBS: Climate of Doubt: GSW
- Unforced variations: Oct 2012: Jim Larsen
- PBS: Climate of Doubt: Eric Rowland
- Unforced variations: Oct 2012: Peter Backes
- PBS: Climate of Doubt: hmoseley
- Unforced variations: Oct 2012: prokaryotes
- Unforced variations: Oct 2012: Hank Roberts
- A sea level Golden Horseshoe nominee: Dan H.
- Unforced variations: Oct 2012: Patrick 027

**...With Inline Responses**

- A sea level Golden Horseshoe nominee: Dan H.
- PBS: Climate of Doubt: Tom Adams
- PBS: Climate of Doubt: Susan Anderson
- Unforced variations: Oct 2012: ferdinand
- A sea level Golden Horseshoe nominee: Dan H.
- Unforced variations: Oct 2012: observer
- A sea level Golden Horseshoe nominee: Doug Proctor
- A sea level Golden Horseshoe nominee: Dan H.
- A sea level Golden Horseshoe nominee: wei pong
- A sea level Golden Horseshoe nominee: Slioch

**Pages**

- Acronym index
- Data Sources

**Categories**

- Climate Science
- Aerosols
- Arctic and Antarctic
- Carbon cycle
- Climate impacts
- Climate modelling
- El Nino
- Geoengeering
- Greenhouse gases



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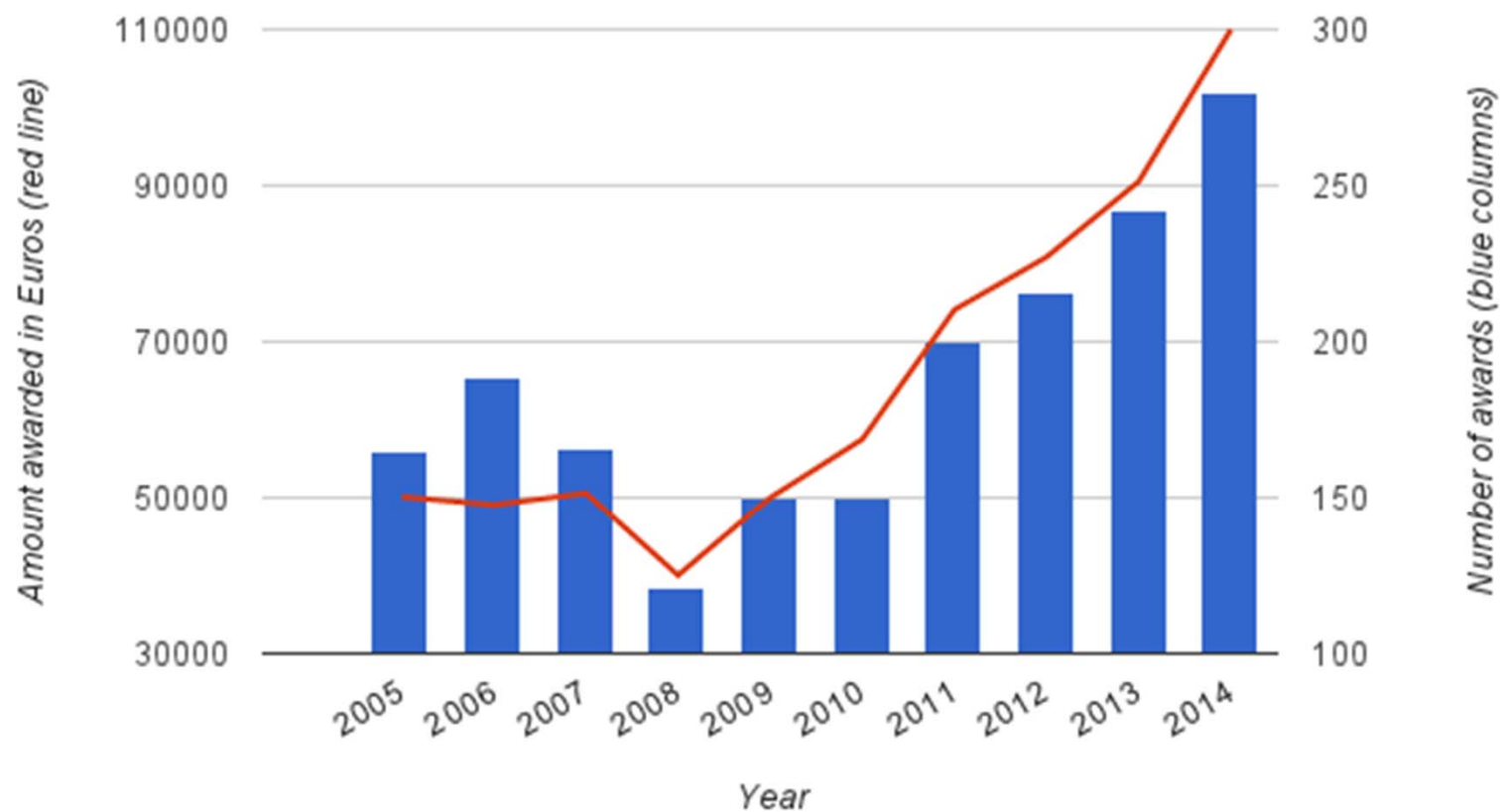


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## EGU General Assembly Travel Awards





# European Geosciences Union

Division on  
**Climate: Past, Present & Future**



|      | <b>Valid applications</b> | <b>Granted</b> |
|------|---------------------------|----------------|
| ESTA | 128                       | 17             |
| YSTA | 797                       | 262            |

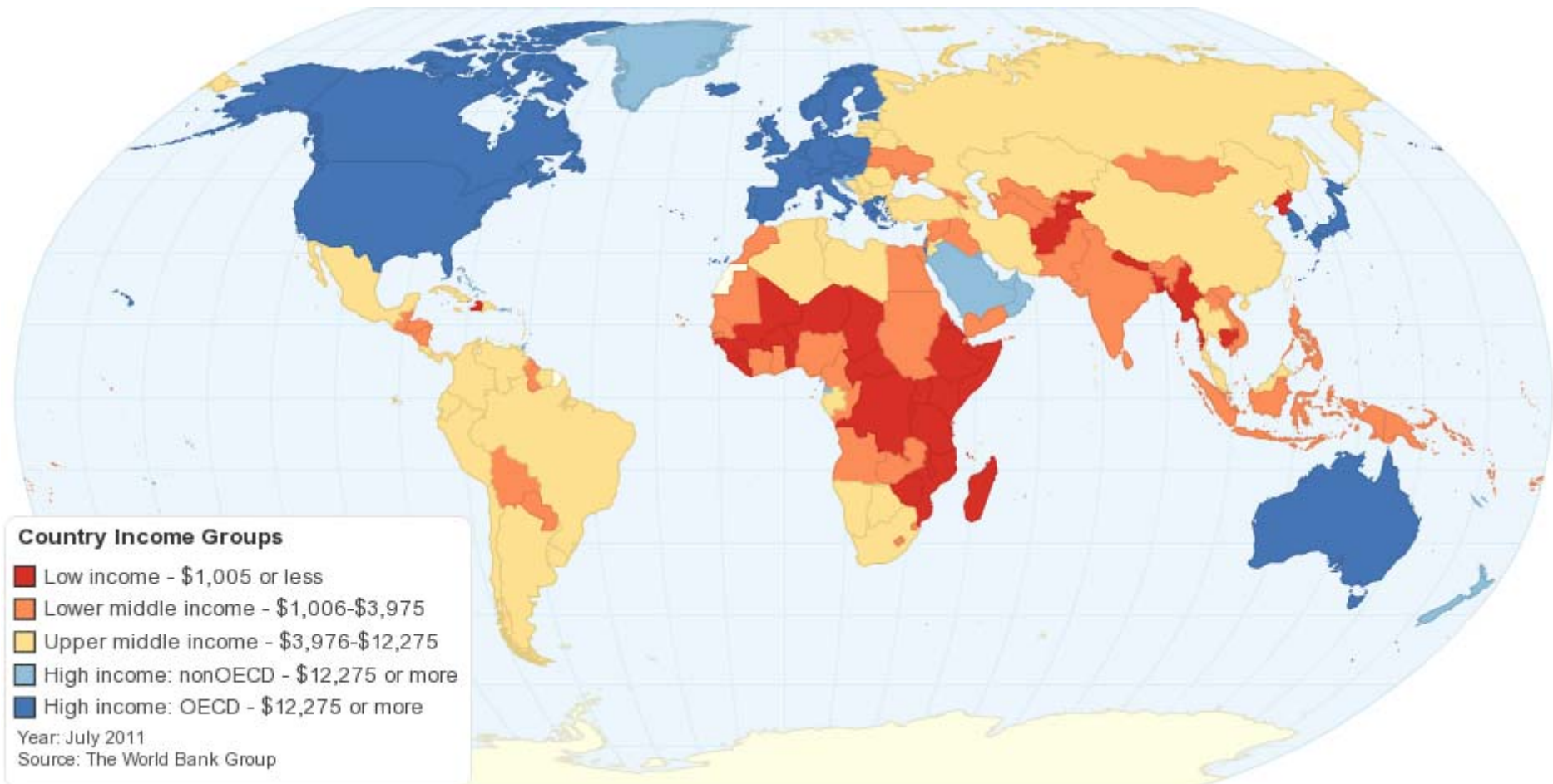


## European Geosciences Union

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# Eligible for ESTA

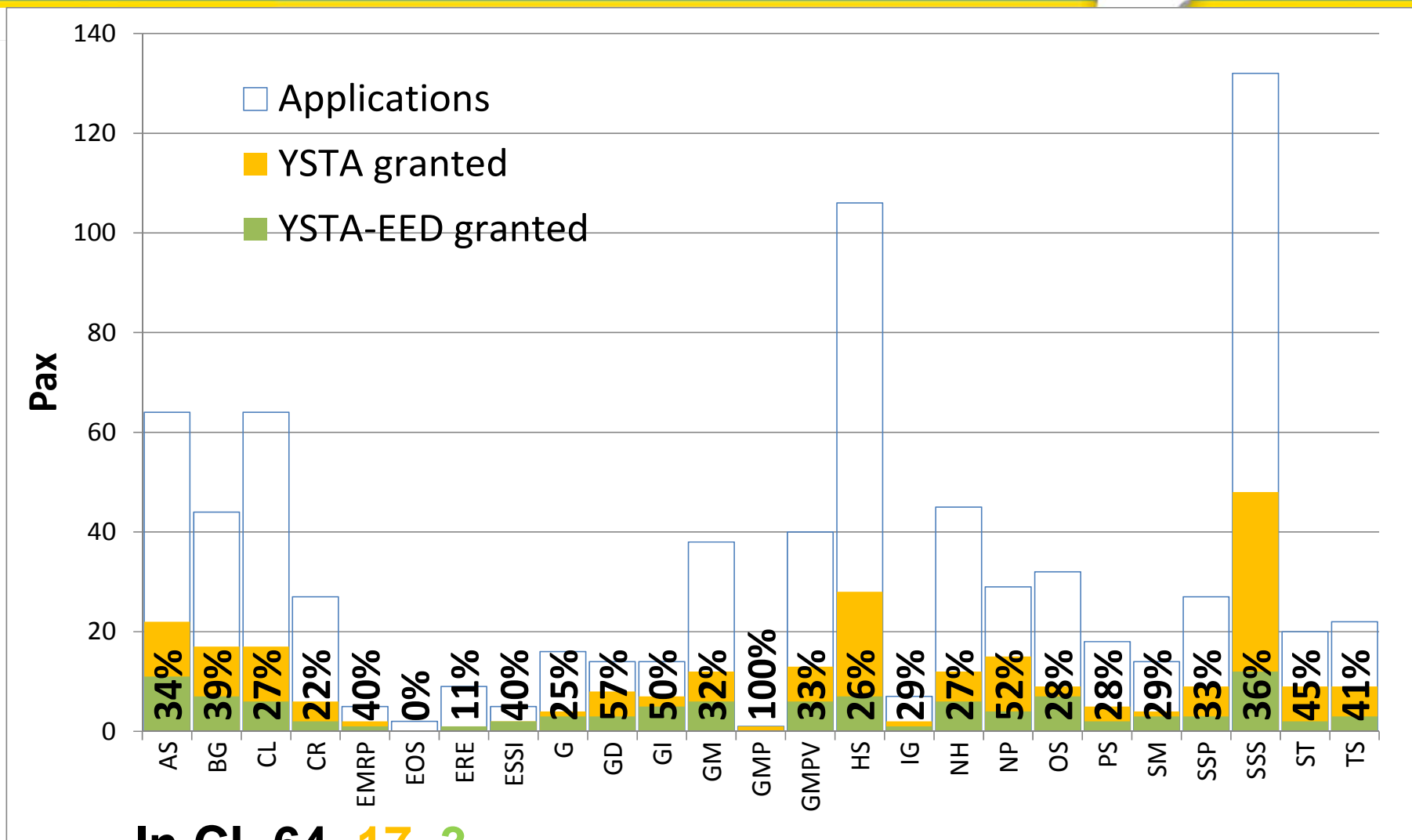






# European Geosciences Union

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In CL 64, 17, 3



## European Geosciences Union

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- Prize to pay: Early submission

How to increase chances?

- Chose the appropriate session
- Write a good abstract
  - Be concrete in what you are going to present



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## 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.egu2014.eu/egu\\_today](http://www.egu2014.eu/egu_today)

### Blogs

- GeoLog & the EGU Blog Network will be sharing great sessions, research, interviews and more throughout the Assembly
- Follow them at [geolog.egu.eu](http://geolog.egu.eu) and [blogs.egu.eu](http://blogs.egu.eu)

### Social Media

- Sessions will be advertised on Twitter ([@EuroGeosciences](https://twitter.com/EuroGeosciences)) and Facebook ([European Geosciences Union](https://www.facebook.com/EuropeanGeosciencesUnion))
- Participants can ask questions & keep updated by following [#EGU2014](https://twitter.com/EGU2014)





## Meetings, Medals & Young Scientists

### Meetings Calendar

- A hub of information on conferences and workshops in the geosciences. Add your meeting at [www.egu.eu/meetings/calendar/form](http://www.egu.eu/meetings/calendar/form)

### Co-Sponsoring Programme

- There are two opportunities to get your meeting sponsored: 15 Jun – Jul 2014 & Dec 2014 – 15 Jan 2015: [www.egu.eu/meetings/support-request](http://www.egu.eu/meetings/support-request)

### Awards & Medals

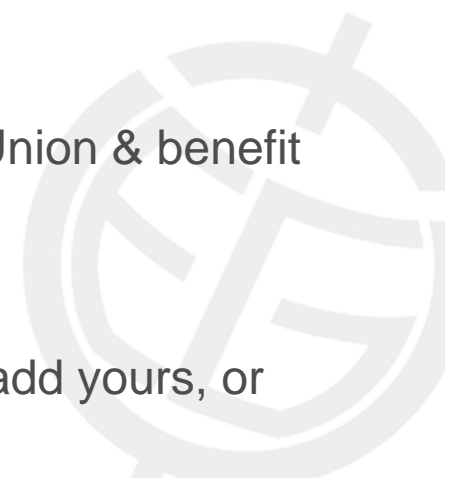
- Nominations are open until 15 June [www.egu.eu/awards-medals](http://www.egu.eu/awards-medals)

### Young Scientists

- Young scientists (YS) can find out how to get involved in the Union & benefit from our YS resources at [www.egu.eu/young-scientists](http://www.egu.eu/young-scientists)

### Jobs

- We advertise geoscientific jobs for free at [www.egu.eu/jobs](http://www.egu.eu/jobs) add yours, or look for a new position





## European Geosciences Union

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# EGU 2015 Program

**Planning is starting now!**

- **Setting up SKELETON PROGRAM**
- **Call for Abstracts**
- **Decision on which sessions are realized**

**Special sessions e.g. Union Sessions:**

**Please discuss ideas with me here in Vienna or by  
e-mail [cl@egu.eu](mailto:cl@egu.eu).**



## European Geosciences Union

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**Any other business?**





**European Geosciences Union**

Division on  
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## **2 important deadlines**

### **1) June 15, 2014 Awards**

**(open some time in May)**

### **2) Session proposals**

**(E-mail to [cl@egu.eu](mailto:cl@egu.eu) or  
open call July to mid September)**

**Enjoy the 2014 meeting!  
Have fun and see you at EGU2015  
12-17 April 2015**