



European Geosciences Union

Division on
Climate: Past, Present & Future



Division Meeting

Climate: Past, Present & Future

Division



Thomas Blunier

Welcome



1. EGU
2. CL Organisation
3. Awarding of OSP awards from EGU 2015
4. EGU and CL 2016 Statistics
5. Organization CL at GA 2016
6. Division medals
7. Mini Medal lecture by Malte F. Stuecker (CL-Division Outstanding Young Scientist Award 2016)
8. Reports from journals relevant to CL
 - Climate of the Past (Marie-France Loutre)
 - Earth System Dynamics (Axel Kleidon)
 - Geoscientific Model Development (Julia Hargreaves)
9. Early Career Scientist in CL/ Outreach
10. Travel support
11. Union information
12. Any other business



Agenda 2016

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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 17 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: Hans Thybo



•Vice-President: Jonathan Bamber



•General Secretary: Håkan Svedhem



•Treasurer: Patric Jacobs





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CL Structure

President	Thomas Blunier	cl@egu.eu
Programme Group Chair	Thomas Blunier	cl@egu.eu
Deputy-president	Natalie Kehrwald	kehrwald@unive.it
Science Officers	Jules Hargeaves	juleswork@mac.com
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	Martin Wild	martin.wild@env.ethz.ch
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Outreach	Celia Sapart Kathryn Adamson Jennifer D. Stanford	csapart@ulb.ac.be K.Adamson@mmu.ac.uk J.D.Stanford@swansea.ac.uk
OSP Coordinator	NN	-



- Approval of team
- Additional team members?



European Geosciences Union

Division on
Climate: Past, Present & Future



Upcoming Election for CL division president

Online call for candidates will run during the summer, typically July and August.

Term starts at EGU2017

Meet me at the EGU booth in the poster area

Today, 19 Apr, 15:00-15:30

Thu, 21 Apr, 15:00-15:30



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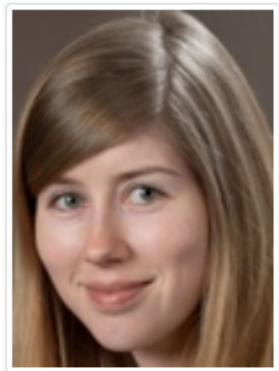
- Outstanding Student Poster (OSP).
- 5 awards from EGU 2015.
- Each laureate:
 - Has name, picture, poster published on EGU medals/awards homepage;
 - Appears in EGU newsletter;
 - **Receives conference fee waiver for the next EGU General Assembly.**



Andrea Miebach

Outstanding Student Poster (OSP) Award 2015

Climate: Past, Present & Future



The 2015 Outstanding Student Poster (OSP) Award is awarded to Andrea Miebach for the poster entitled:

Climate and human impacts on the vegetation in NW Turkey: palynological insights from Lake Iznik since the Last Glacial (Miebach, A.; Niestrath, P.; Roeser, P. A.; Litt, T.).

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

Andrea Miebach is a PhD student at the Paleontological Department at the University of Bonn (Germany), supervised by Thomas Litt. Her research work is a part of the Collaborative Research Centre 806 "Our Way to Europe", which investigates the interaction between human dispersal and environmental development.

Her research focuses on the reconstruction of the vegetation history of northwestern Turkey and the southern Levant since the Last Glacial. Vegetation reconstructions give insights how the landscape looked like, how climatic conditions were, and how humans exploited the vegetation.

The awarded poster presents the vegetation development in the Marmara region (NW Turkey) during the last ca. 30,000 years. It illustrates how climate changes and human occupation formed the vegetation. The vegetation response to rapid climate changes are shown, and different stages of anthropogenic exploitations are described.



Inge Juszak

Outstanding Student Poster (OSP) Award 2015

Climate: Past, Present & Future



The 2015 Outstanding Student Poster (OSP) Award is awarded to Inge Juszak for the poster entitled:

The impact of vegetation type on the shortwave radiation balance of the Arctic tundra (Juszak, I.; Schaepman-Strub, G.).

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

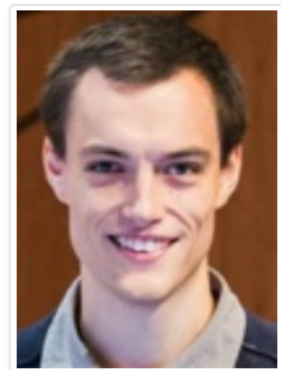
Inge Juszak is a PhD student at the Institute of Evolutionary Biology and Environmental Studies at the University of Zurich. She is interested in how Arctic tundra vegetation affects local climate and permafrost thaw. Currently, she uses field measurements in north-east Siberia and radiative transfer modelling to compare the radiation budget of Arctic dwarf shrubs and sedges .



Kristof Van Tricht

Outstanding Student Poster (OSP) Award 2015

Climate: Past, Present & Future



The 2015 Outstanding Student Poster (OSP) Award is awarded to Kristof Van Tricht for the poster entitled:

Clouds enhance Greenland ice sheet mass loss (Van Tricht, K.; Gorodetskaya, I. V.; L'Ecuyer, T.; Lenaerts J. T. M.; Lhermitte, S.; Noel, B.; Turner, D. D.; van den Broeke, M. R.; van Lipzig, N. P. M.).

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

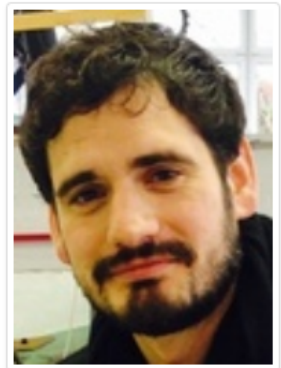
Kristof Van Tricht is a PhD student at the department of Earth and Environmental Sciences, KU Leuven (University of Leuven), Belgium, as a member of the Regional Climate Studies group. His main research focuses on understanding the role of clouds in the climate of Greenland, with a specific emphasis on integrating satellite remote sensing, ground-based observations and climate model simulations. The poster presented at EGU 2015 describes how Greenland-wide satellite cloud observations show that clouds strongly enhance Greenland ice sheet surface energy input, thereby contributing to ice sheet melt, mass loss and subsequent global sea level rise.



Sönke Dangendorf

Outstanding Student Poster (OSP) Award 2015

Climate: Past, Present & Future



The 2015 Outstanding Student Poster (OSP) Award is awarded to Sönke Dangendorf for the poster entitled:

Mechanisms of long-term mean sea level variability in the North Sea (Dangendorf, S.; Calafat, F.; Nilsen, J. E. Ø.; Richter, K.; Jensen, J.).

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

Sönke Dangendorf is a PostDoc at the Research Institute for Water and Environment (fwu) at the University of Siegen Germany. In his work, which was part of his PhD finished in September 2014, he investigated the sources of inter-annual to decadal mean sea level variability in the North Sea. In the awarded poster, he showed that the dynamic mean sea level variability in the North Sea is decoupled from the deep ocean via boundary wave forcing along the continental slope in the Northeast Atlantic. The processes involved act on very small horizontal scales, which are currently not resolved by global climate models.

Sönkes' work adds an important contribution to the development of realistic projections of future mean sea level changes along Northern European coasts.



Michelle van der Does

Outstanding Student Poster (OSP) Award 2015

Climate: Past, Present & Future



The 2015 Outstanding Student Poster (OSP) Award is awarded to Michelle van der Does for the poster entitled:

Grain-size signature of Saharan dust over the Atlantic Ocean at 12°N (van der Does, M.; Korte, L.; Munday, C.; Brummer, G.-J.; Stuut, J.-B.).

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

Michèlle van der Does is a PhD student at the department of Marine Geology and Chemical Oceanography at the Royal Netherlands Institute for Sea Research (NIOZ). Her research focuses on spatial and seasonal changes of Saharan dust over the Atlantic Ocean. For this she uses submarine moored sediment-trap samples along a transect at 12° N in the Atlantic Ocean. The EGU 2015 poster presented dust particle-size distributions of the first year of sampling (2012-2013) from seven sediment traps.



European Geosciences Union

Division on
Climate: Past, Present & Future



Outstanding Student Poster (OSP) Award

now has become

Outstanding Student Poster and PICO (OSPP) Award



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EGU General Assembly 2016 facts

As of 14 April, the Assembly 2016 provides:

- **16,130 papers in programme | +13.34% (2015)**
- **4,863 orals | 10,320 posters | 947 PICOs | ratio 30 / 64 / 6**
- **619 unique scientific sessions | 321 side events***
- **10,988 registrations in advance (10,943 already paid) | +23.68% (2015)**

*Side events include: SSE (w/o US), OEM (w/o EOS), STM, FAN, AM



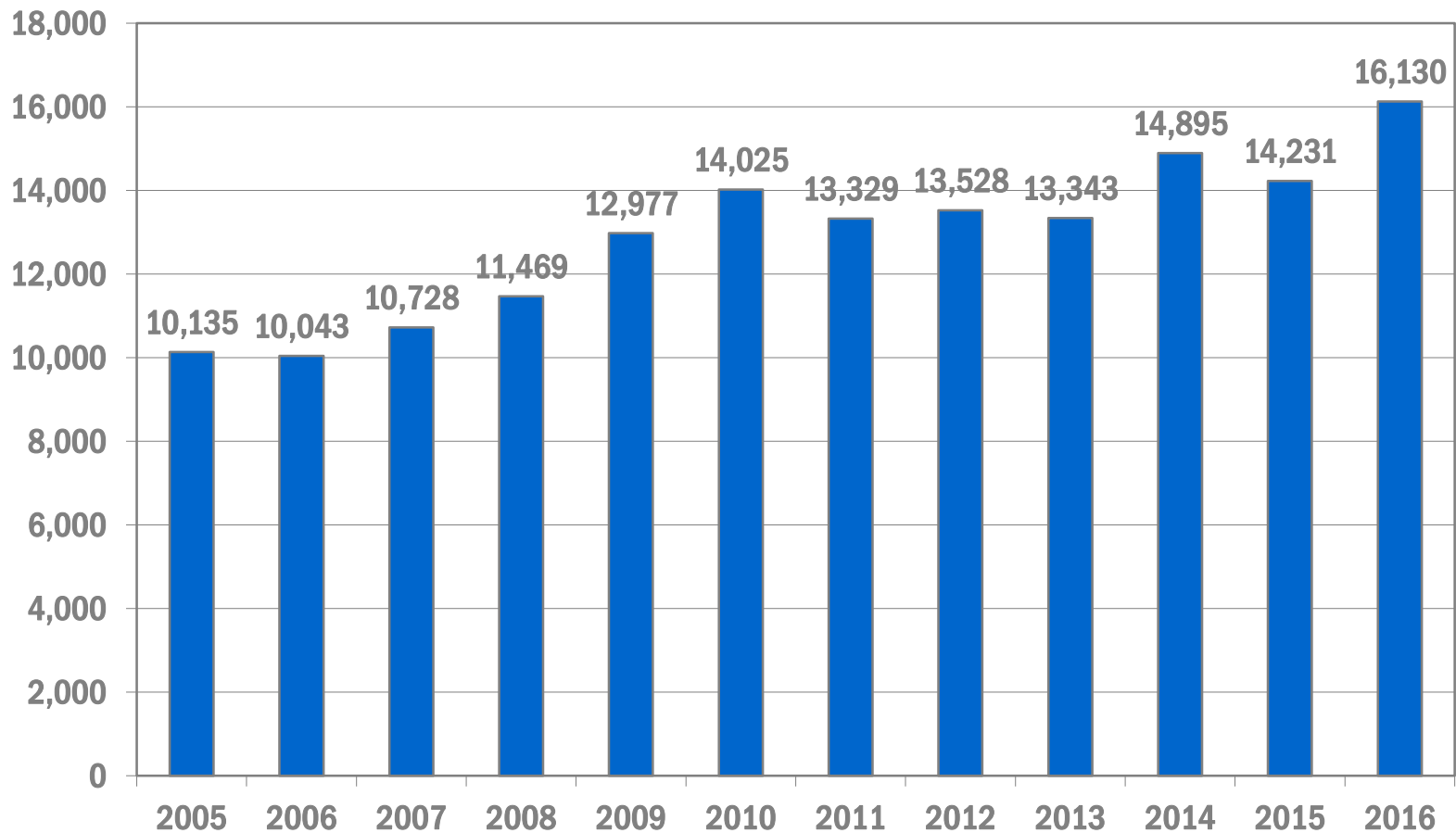
European Geosciences Union General Assembly 2016

Vienna | Austria | 17-22 April 2016



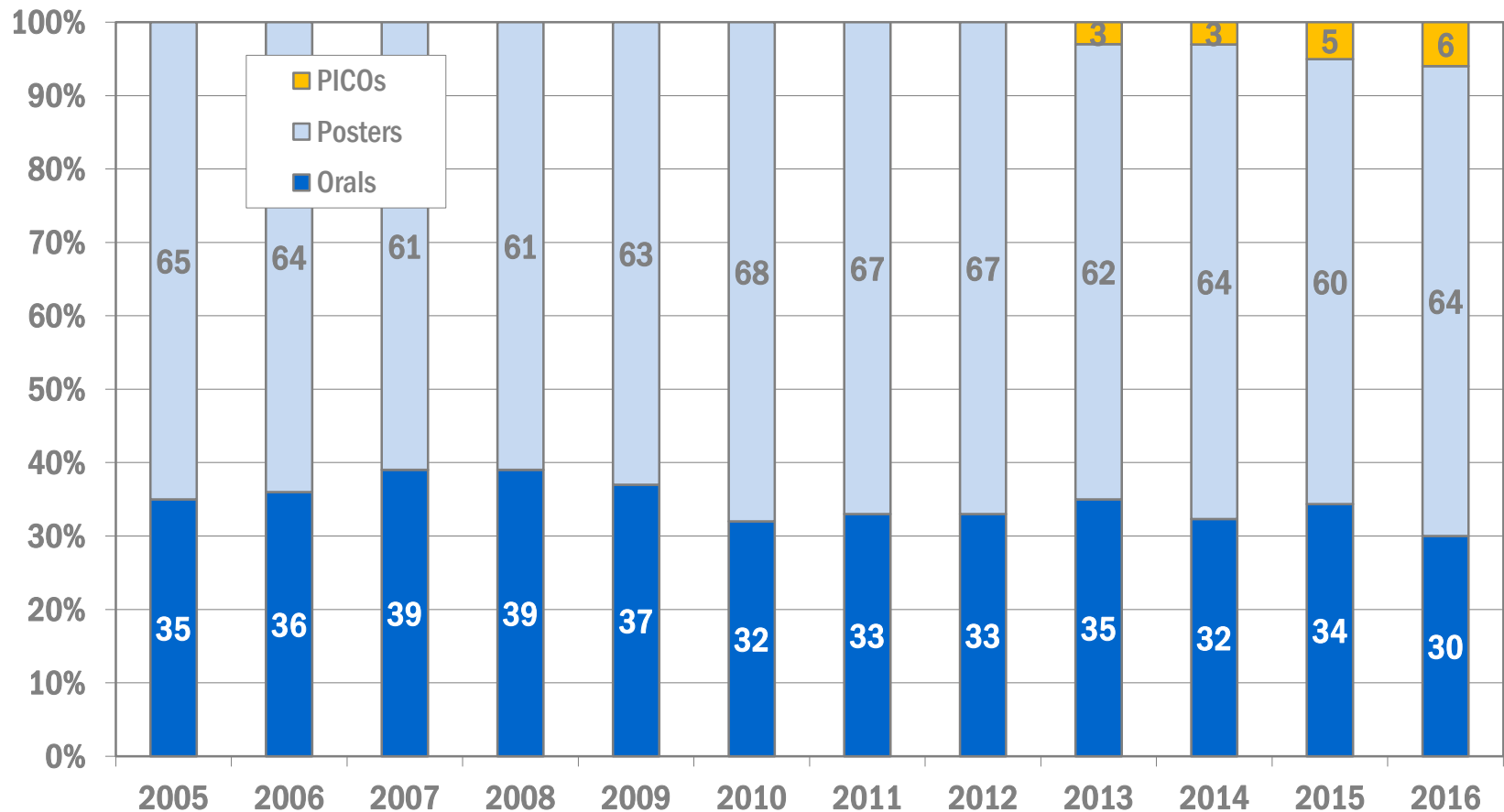
EGU.eu

Papers in programme 2005-2016





Presentation ratio 2005-2016





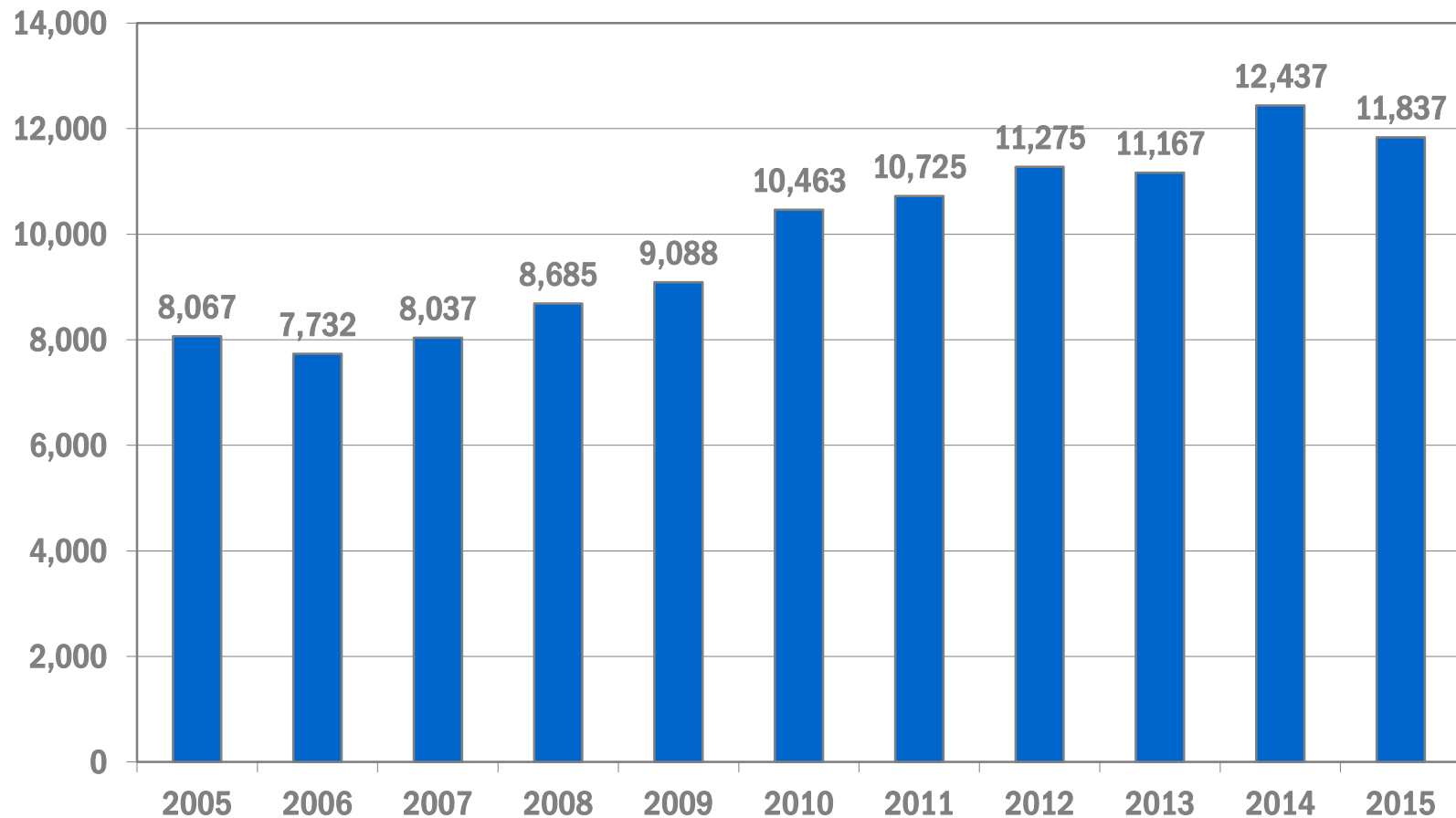
European Geosciences Union General Assembly 2016

Vienna | Austria | 17-22 April 2016



EGU.eu

Participants at EGU General Assemblies 2005–2015





Some CL 2016 statistics

Programme Group Statistics

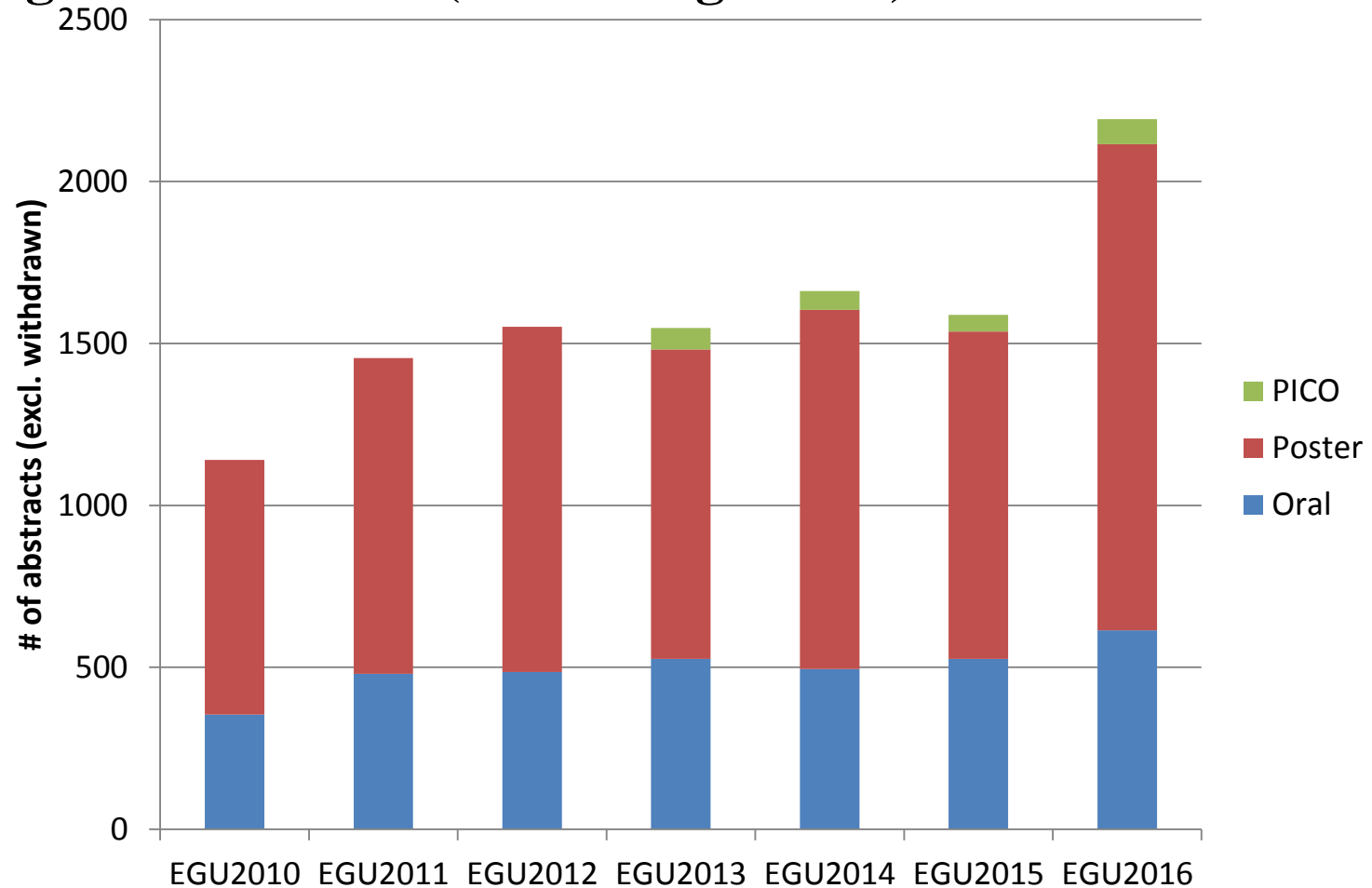
Scheduled	Total: 2,192
Status	Active: 2,148 (98%) Withdrawn: 44 (2%)
Granted supports	None: 2,199 (100%) ESTA: 2 (0%) ECSTA: 22 (1%)
Presentations	Posters: 1,500 (68%) Orals: 614 (28%) PICO: 78 (4%)
Author identification specifics	

Meeting Statistics

Scheduled	Total: 16,941
Status	Active: 16,299 (96%) Withdrawn: 642 (4%)
Granted supports	None: 16,034 (98%) ESTA: 23 (0%) ECSTA: 242 (1%)
Presentations	Orals: 4,873 (29%) PICO: 960 (6%) Posters: 10,466 (62%)
Author identification specifics	ECS: 8,534 (50%)



CL long term statistics (incl. coorganized)





2016

Programme Group	Lead sessions			Co-org. sessions		Total	
	#Abs.	%	#Ses.	#Abs.	#Ses.	#Abs.	#Ses.
HS Hydrological Sciences	2,138	13%	80	1,048	44	3,186	124
AS Atmospheric Sciences	1,547	9%	52	1,165	41	2,712	93
SSS Soil System Sciences	1,409	9%	53	1,152	60	2,561	113
CL Climate: Past, Present, Future	1,298	8%	45	851	31	2,149	76
NH Natural Hazards	1,225	8%	44	1,250	44	2,475	88
BG Biogeosciences	859	5%	39	651	25	1,510	64
TS Tectonics & Structural Geology	741	5%	23	589	23	1,330	46
GMPV Geochemistry, Mineralogy, Petrology & Volcanology	547	3%	18	732	25	1,279	43



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Organization of the scientific program in 6 subsections:

- CL0 - General
- CL1 - Past climates
- CL2 - Present climate
- CL3 - Future climate
- CL4 - Past-Present-Future climates
- CL5 - Tools for climate studies



European Geosciences Union

Division on
Climate: Past, Present & Future



	Room	-2.47	-2.16	E1	E2	F1	0.31	0.49
	PAX	86	85	494	494	494	130	118
Monday	Block1				CL1.10		CL2.01	
	Block2	CL2.03			CL1.10		CL2.01	
	Block3	CL1.13			CL1.25		CL4.15	CL5.12
	Block4	CL2.02			CL1.25		CL1.08	CL5.12
Tuesday	Block1	CL1.03			CL3.01		CL0.01	
	Block2	CL1.04			CL3.01		CL0.01	
	Block3	CL1.06			CL3.03			
	Block4	CL5.06			CL3.03			
Wednesday	Block1	CL1.23			CL0.00		CL4.06	
	Block2	CL1.16			CL0.00		CL4.06	
	Block3	CL1.21	CL5.14		CL1.15	CL4.08	CL4.10	
	Block4	CL3.04			CL1.15	CL4.08	CL4.10	
Thursday	Block1	CL4.04		CL4.11	CL4.05		CL5.03	
	Block2	CL1.12		CL4.11	CL4.05		CL4.02	
	Block3				CL5.02		CL5.09	CL1.11
	Block4				CL5.02		CL5.09	
Friday	Block1			CL2.04	CL1.01		CL5.07	
	Block2			CL2.04	CL1.07		CL5.10	
	Block3			CL2.10	CL1.07		CL5.04	
	Block4			CL2.10	CL1.07		CL5.04	



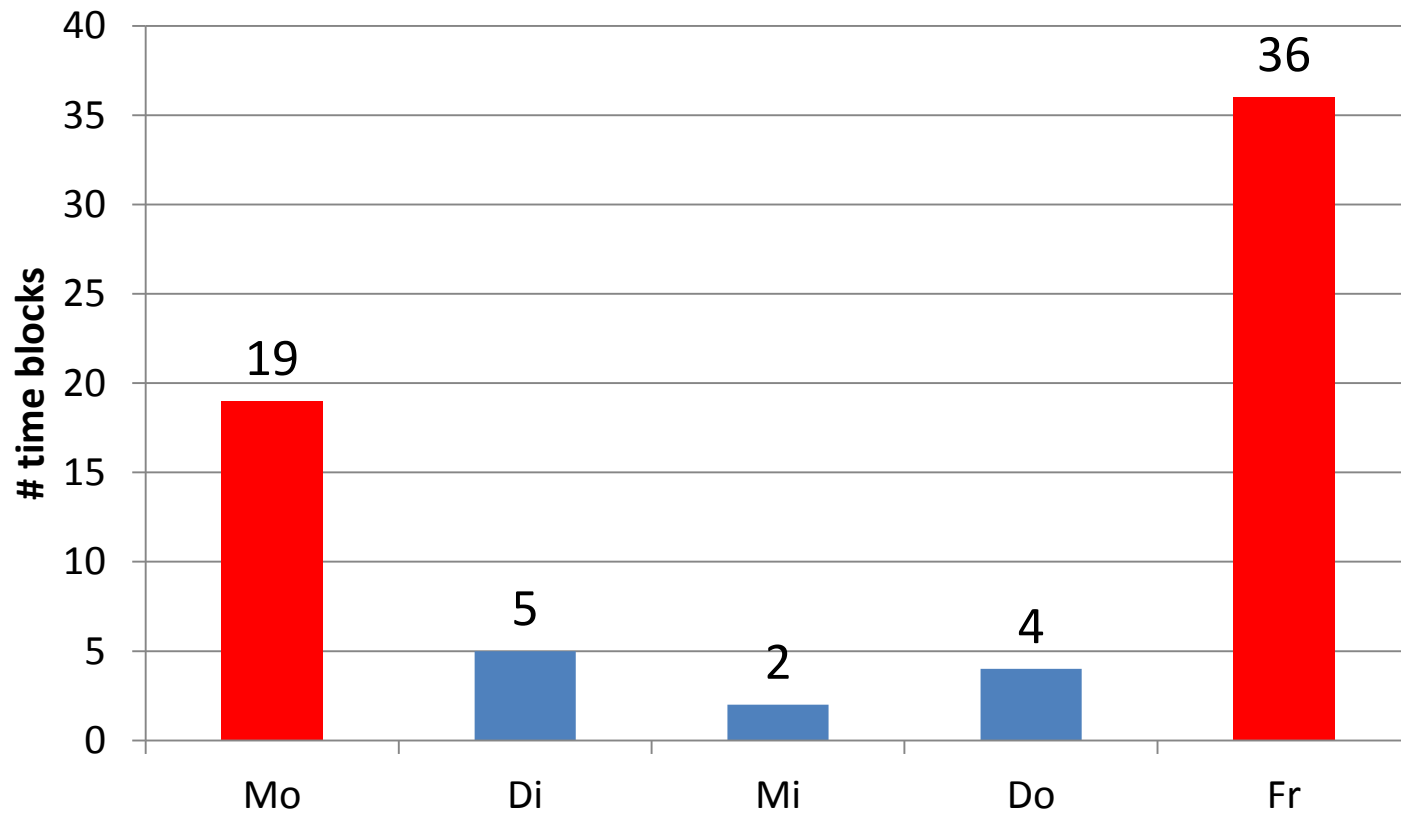
CL scheduling (CL lead, excluding co-organized)

WISHES	2013	2014	2015	2016
Oral Preference	634	621	693	769
Poster Preference	447	473	501	578
Total (PICOs counted as posters)	1081	1094	1194	1347
Received				
Oral Blocks	63	60	66	63
Orals	372	354	393	374
Success rate for oral	59%	57%	57%	49%

Note: Numbers differ slightly from data presented before due to the moment they were collected in the scheduling process

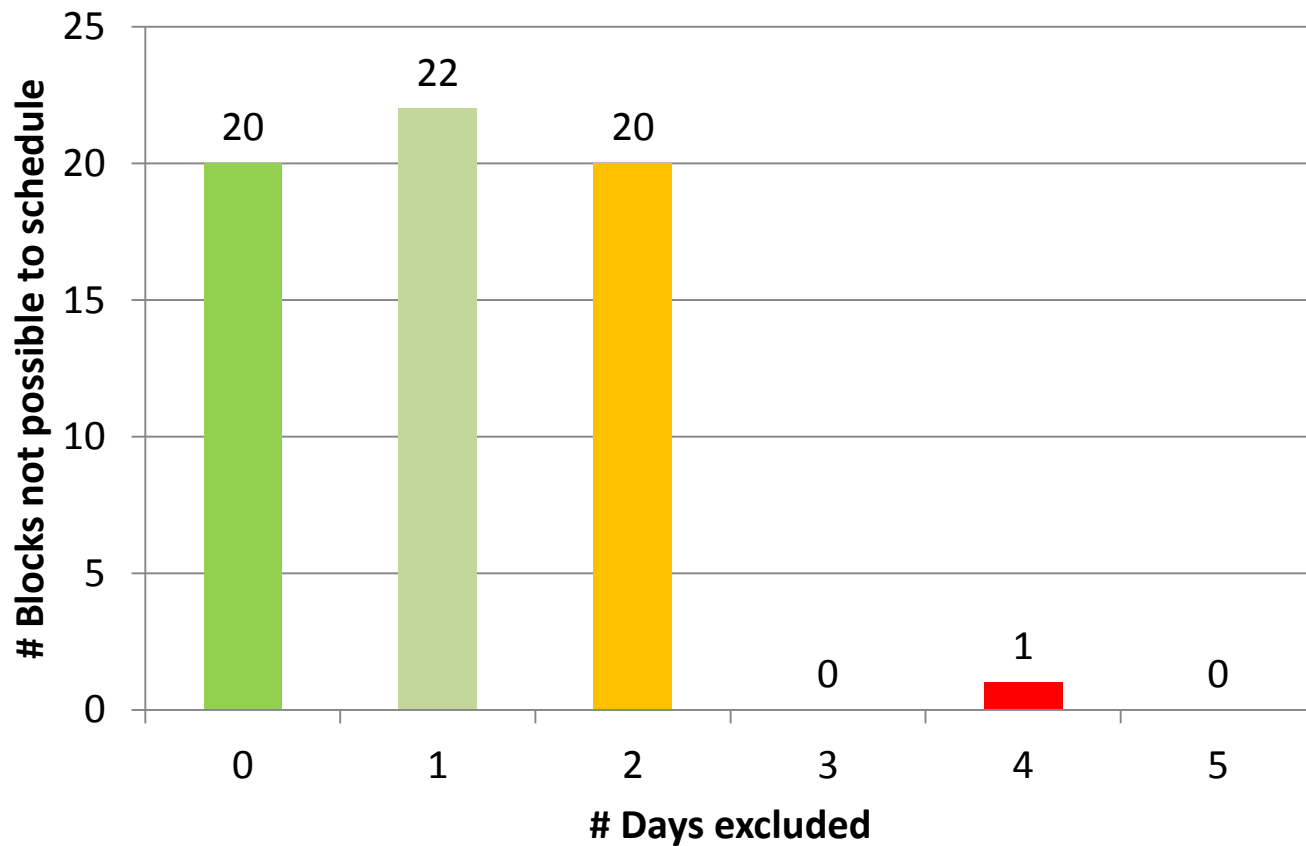


of time blocks excluded by conveners (out of 63)





Blocks excluded





Traditional poster sessions in block 5 every day

PICO sessions



CL5.08 Linkages between climate and impact models: uncertainty analytics to substantiate contextual demands

Convener: Ole Rössler | Co-Conveners: Sven Kotlarski ,
Andreas Fischer , Renate Wilcke , Annelie Holzkämper ,
Nadine Salzmann , Juan José Gómez-Navarro

Tue, 19 Apr, 15:30-17:00 / PICO spot 3

CL5.11 Climate Services - Underpinning Science PICO Session

Convener: Alessandro Dell'Aquila | Co-Conveners: Carlo
Buontempo , Paolo Michele Ruti , Melanie Davis

Wed, 20 Apr, 13:30-15:00 / PICO spot 1



How to deal with increasing numbers of participants?

**Vote on capping the number of abstracts:
One vote for capping in the audience.**



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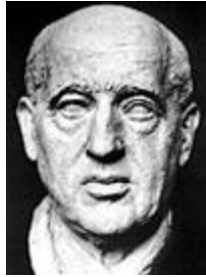


Medals at Division level:

- **The Division Outstanding Young Scientists Awards (name will change)**
- **The Division medals for mid-career scientists.**



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).





Hans Oeschger Medal



Paul A. Mayewski

Abrupt climate change: Past, present and the search for precursors as an aid to predicting events in the future

Tue, 19 Apr, 19:00-20:00 / Room E2



Tonight



Milutin Milankovic Medal



James C. Zachos

Trends, Rhythms, and Aberrations in Global
Climate during the Cenozoic: The Interplay
between Tectonic and Orbital forcing
Wed, 20 Apr, 11:00-12:00 / Room E2





Malte F. Stuecker

Division Outstanding Young Scientists Award 2016

Climate: Past, Present & Future



The 2016 Division Outstanding Young Scientists Award is awarded to Malte F. Stuecker for his combination tones theory on the annual cycle and El Niño-Southern Oscillation interactions.

In the course of his PhD Malte Stuecker developed a new interaction theory for the El Niño-Southern Oscillation (ENSO) and the annual cycle. The theoretical results are backed up by observational datasets and extensive climate model experiments and were published in *Nature Geoscience* (2013). Stuecker's theory is the first of its kind to properly describe the seasonal variance modulation of ENSO, its irregularity and spectral characteristics using the very simple and elegant concept of combination tones. His approach will likely become a new cornerstone of ENSO dynamics in the

decades to come.

A generalisation of Stuecker's combination tones idea can be applied to any other modes of climate variability. In the context of ENSO–monsoon interactions, he provides a comprehensive and novel understanding of the dynamics of the Philippine Sea Anticyclone, which serves as the atmospheric bridge between ENSO and the Asian Monsoon systems (*Journal of Climate*, 2015). This work calls in question the importance of previous mechanisms and has important implications for seasonal rainfall predictability over Asia and Australia.

Malte's intellectual rigor, independent thinking, creativity, excellent technical skills, and curiosity make him a worthy recipient of the Division Outstanding Young Scientists Award.



European Geosciences Union

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Climate: Past, Present & Future



Mini medal lecture by Malte Stuecker

The El Niño-Southern Oscillation Frequency Cascade



Proposal and Selection of Candidates

Who can nominate?

YOU (EGU members)

Whom can you nominate?

Anybody except active EGU officials and yourself

When?

NOW (deadline June 15)

How?

Online (www.egu.eu/user-area/nominations/form/)

What happens if you don't?

The EGU reserve the right to not confer the medal when there is only one nomination.



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:

Early Career

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



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).



Hans Oeschger medal committee for 2017

Name	Year	Remark
Thomas Stocker	1	Chair
Paul A. Mayewski	1	New
Sheri Fritz	3	
Myriam Bar-Matthews	4	

Milutin Milankovic medal committee for 2017

Name	Year	Remark
Andrey Ganopolski	3	Chair
James C. Zachos	1	New
Paul Valdes	2	
Maureen Raymo	3	
Didier Paillard	4	

Ex-officio CL and Award committee presidents

Rotated off the medal committees after four years following best practice:
Dominique Raynaud, Michael Mann, Ray Bradley, Wolfgang Berger



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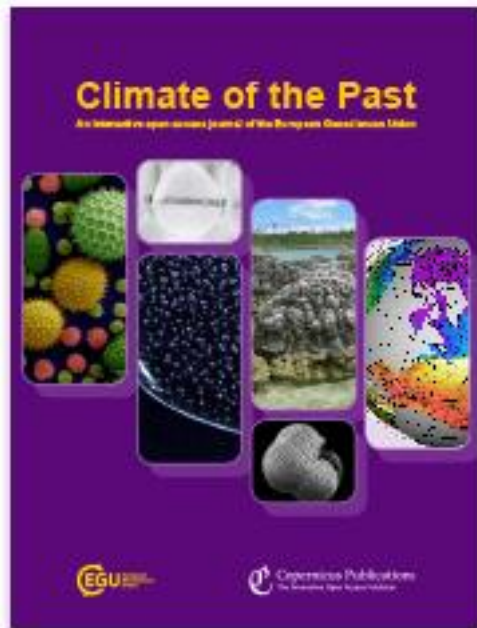
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Climate of the Past

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Climate: Past, Present & Future

Vienna, 19 April 2016



OPEN
ACCESS



INTERACTIVE PUBLIC
PEER REVIEW



ARTICLE LEVEL
METRICS



MODERATE ARTICLE
PROCESSING CHARGES

Co-editors-in-chief: Carlo Barbante, Nerilie Abram, Thorsten Kiefer, Marie-France Loutre & Denis-Didier Rousseau

Climate of the Past (CP) is an international scientific journal dedicated to the publication and discussion of research articles, short communications, and review papers on the climate history of the Earth. CP covers all temporal scales of climate change and variability, from geological time through to multidecadal studies of the last century. Studies focusing mainly on present and future climate are not within scope.



News from 2015



TIB

Institutional agreement for CP authors affiliated with the Leibniz Universität Hannover

- Copernicus Publications and the Technische Informationsbibliothek (TIB) in Hanover, Germany have signed an agreement on central billing of article processing charges.



CP awarded DOAJ Seal

- Climate of the Past (CP) has received the new DOAJ Seal which recognizes journals with an exceptionally high level of publishing standards and best practice.



Workflow of CP reorganized

- We are aligned on the EGU journals workflow.





From the editorial board

Co-editors-in-chief

- **Nerilie Abram**
- **Denis-Didier Rousseau**
- **Thorsten Kiefer** will step down as co- editor-in-chief
- **Carlo Barbante** will retire as ‘chief of the chiefs’
- **Marie-France Loutre** will take over

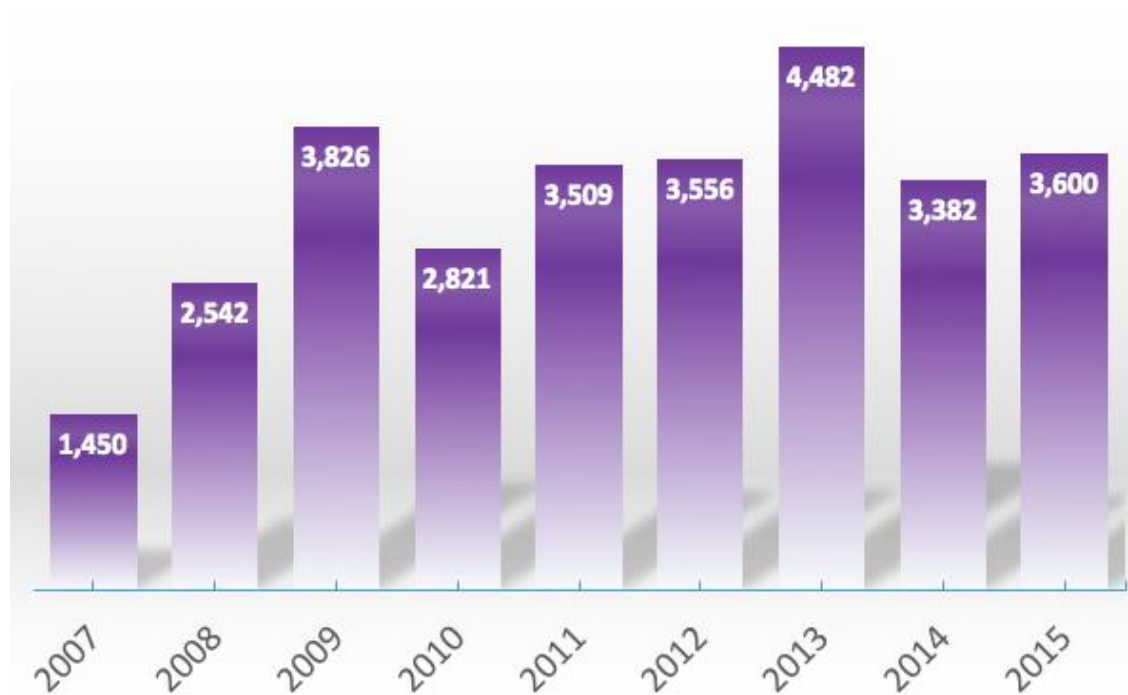
**28 regular editors (incl. the co-editors-in-chief editors)
plus guest editors for special issues**





Impact Factor Evolution

Launch of CP in 2005



Impact factor steady above 3 despite the increase in the number of papers





Climate of the Past

An interactive open-access journal of the European Geosciences Union



| EGU.eu | [EGU Journals](#) | [Contact](#) | [Imprint](#) |

Impact Factor 2014

Journal metrics



IF 3.382



IF 5-year
3.684



SNIP 0.979



IPP 3.298

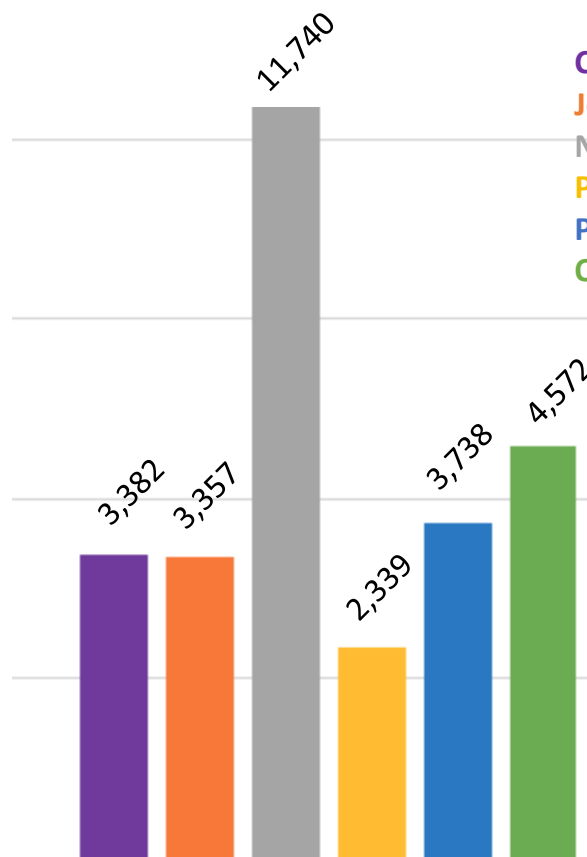


SJR 2.047



h5-index 35

▶ Definitions



Climate of the Past

Journal of Quaternary Science

Nature Geosciences

Palaeogeography, Palaeoclimatology, Palaeoecology

Paleoceanography

Quaternary Science Reviews





Statistics of publication

Publications	CPD	CP
Total Papers	150	111
Regular Papers	115	92
Special Issue Papers	35	19
Total Pages	5715	1764
Regular Pages	4296	1433
Special Issue Pages	1419	331
Pages per Article. Average	38	16
Median	36	15
Min	16	6
Max	91	35
Accepted	89%	91%
Rejected	11%	9%





Special issues

2014

- ▶ [Human-land-sea interactions in the Mediterranean Basin: a Holocene perspective, 2014](#)
Eds. M.-A. Sicre, J. Guiot, L. Carozza, N. Combourieu Nebout, B. Martrat, and M.-F. Loutre

2015

- ▶ [Climate change and human impact in Central and South America over the last 2000 years, 2015](#)
Eds. C. Gonzalez Arango, M. Grosjean, T. Kiefer, J. Martinez, and R. Villalba
- ▶ [Climatic and biotic events of the Paleogene, 2015](#)
Eds. G. R. Dickens, V. Luciani, and A. Sluijs
- ▶ [International Partnerships in Ice Core Sciences \(IPICS\) Second Open Science Conference \(CP/TC inter-journal SI\), 2015](#)
Eds. Prof. EW Wolff, Prof. M. R. van den Broeke, B. Stenni, Dr. E. Brook, Dr. K. Goto-Azuma, Prof. S. Hou, Dr. T. van Ommen, C. Ritz, and Prof. C. Barbante
- ▶ [PlioMIP Phase 2: experimental design, implementation and scientific results, 2015](#)
Eds. Prof. A. M. Haywood, A. Dolan, and W.-L. Chan





Special issues 2016 and beyond

Southern perspectives on climate and the environment from the Last Glacial Maximum through the Holocene: the Southern Hemisphere Assessment of PalaeoEnvironments (SHAPE) project,
Eds. Lorrey, SJ Phipps, M. Rojas, Bostock, and N. Abram

Climate of the past 2000 years: global and regional syntheses
Eds. H McGregor, H Linderholm, P Francus, H Goosse, N. Abram, M-F Loutre

10th International Carbon Dioxide Conference 2017 and of the 19th WMO/IAEA Meeting on Carbon Dioxide, other Greenhouse Gases and Related Measurement Techniques (GGMT-2017) (ACP/AMT/BG/CP/ESD inter-journal SI)
Eds. F. Joos, H Fischer (not complete)

Climate-Carbon-Cryosphere interactions in the East Siberian Arctic Ocean: Past, present and future (TC/CP/OS/BG inter-journal SI)
Eds. N. Kirchner, C. R. Stokes, and I. Semiletov. Ö. Gustafsson, B. Deutsch, and J. Middelburg M. Jakobsson, C. Barbante, T. Cronin, L. Anderson, T. Tesi, and M. Hoppema



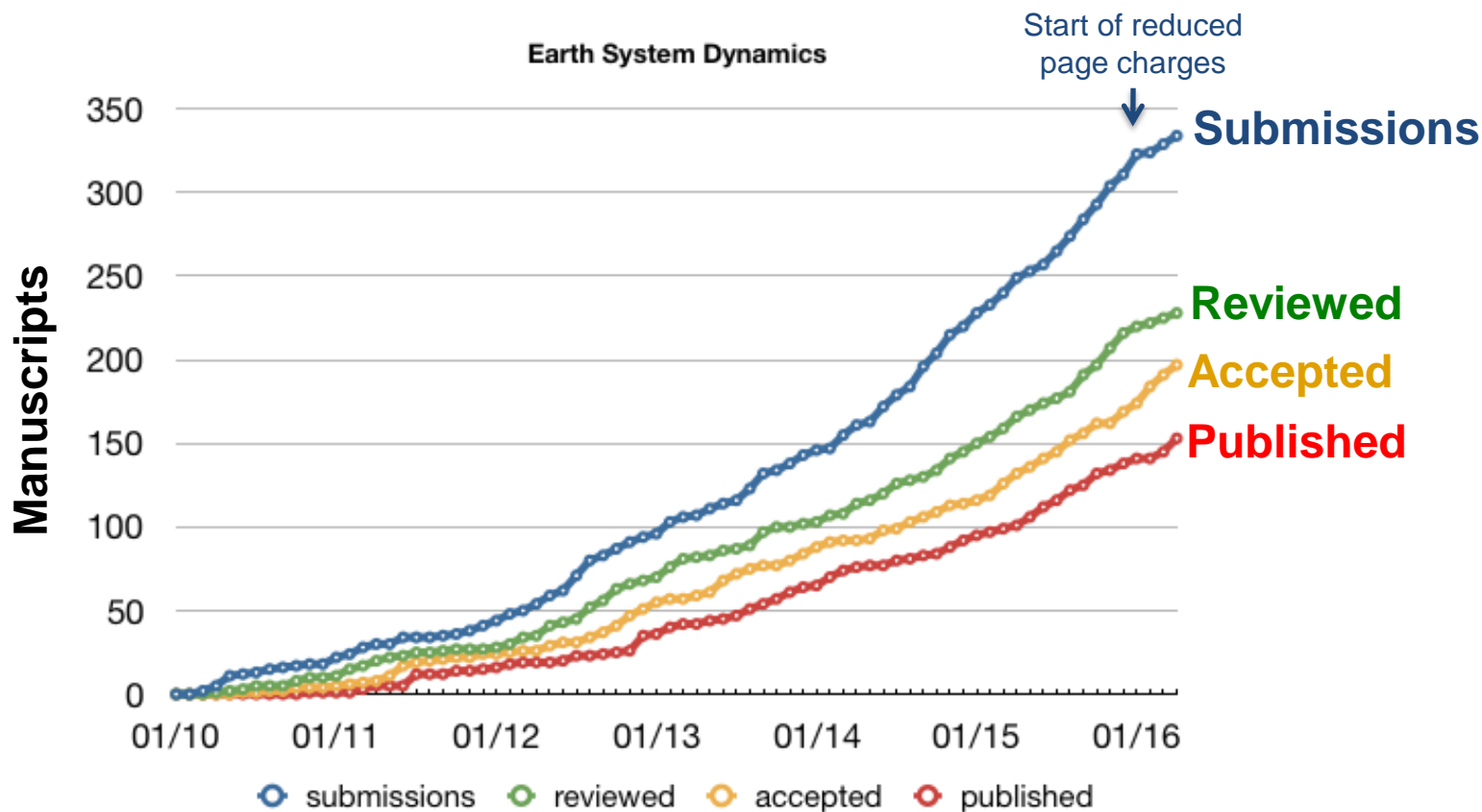


Earth System Dynamics

- **Interdisciplinary journal** of the EGU: focus on Earth as a system
 - **Climate dynamics:** e.g., climatology, atmosphere-ocean dynamics, land-atmosphere interactions, ...
 - **Climate change:** e.g., climate prediction, future climate change, impacts of climatic change, integrated assessment
 - **Human activity:** e.g., carbon sequestration, climate engineering, renewable energy, effect of land use change
- **Open review, open access** model of Copernicus
- **ISI-listed** since 2013, **impact factor** of **3.06**
- **Reduced page charges** since 2016
- Follow us on **twitter:** **@egu_esd**
- **Chief editors:** Axel Kleidon, Somnath Baidya Roy, Valerio Lucarini, Ning Zeng
- **Editorial board:** 40 editors, international



Submissions to ESD since 2010

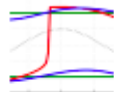




2016 Update


- **No typesetting** of discussion manuscripts and **rearrangement of webpage** (across all EGU journals)
- Switch to **Post-discussion editor decision** (editor makes a decision at the end of the discussion whether a revised manuscript should be submitted)
- More **online material** (Key figure, summary)

Highlight articles




Early warning signals of tipping points in periodically forced systems [Summary](#)

13 Apr 2016

We find early warnings of abrupt changes in complex dynamical systems such as the climate where the usual early warning indicators do not work. In particular, these are systems that are periodically forced, for example by the annual cycle of solar insolation. We show these indicators are good theoretically in a general setting then apply them to a specific system, that of the Arctic sea ice, which has been conjectured to be close to such a tipping point. We do not find evidence of it. 


M. S. Williamson, S. Bathiany, and T. M. Lenton

earth-syst-dynam.net



Earth System Dynamics

An interactive open-access journal of the European Geosciences Union



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Journal metrics

Recent | Volumes | Discussion papers | Most commented

The following lists the discussion papers and final revised papers published within the last 60 days.

All papers
 Final revised papers only
 Discussion papers only

14 Apr 2016

Impacts of land-use history on the recovery of ecosystems after agricultural abandonment

Andreas Krause, Thomas A. M. Pugh, Anita D. Bayer, Mats Lindeskog, and Almut Arneth

Earth Syst. Dynam. Discuss., doi:10.5194/esd-2016-11, 2016

Manuscript under review for ESD (discussion: open, 0 comments)

[Summary](#)

14 Apr 2016

A User-friendly Earth System Model of Low Complexity: The ESCIMO system dynamics model of global warming towards 2100

Jorgen Randers, Ulrich Golüke, Fred Wenstöp, and Søren Wenstöp

Earth Syst. Dynam. Discuss., doi:10.5194/esd-2016-13, 2016

Manuscript under review for ESD (discussion: open, 0 comments)

[Summary](#)

13 Apr 2016

Early warning signals of tipping points in periodically forced systems

Mark S. Williamson, Sebastian Bathiany, and Timothy M. Lenton

Earth Syst. Dynam., 7, 313-326, doi:10.5194/esd-7-313-2016, 2016

[Summary](#)

07 Apr 2016

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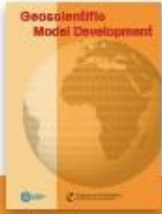
More Information

- **Chief editor contacts:**

- Axel Kleidon (akleidon@bgc-jena.mpg.de)
- Valerio Lucarini (valerio.lucarini@uni-hamburg.de)
- Somnath Baidya Roy (drsbr@iitd.ac.in)
- Ning Zeng (zeng@umd.edu)
- ask us about submissions, special issues, involvement, suggestions, questions, ...

- **“Climate workshop for early career scientists: Meet the editors” (CP + ESD)**

- Organized by Julie Durcan and Nanna Karlsson
- Wednesday, 17:30 – 19:00; Room 0.31



Geoscientific Model Development

An interactive open-access journal of the European Geosciences Union



| EGU.eu | [EGU Journals](#) | [Contact](#) | [Imprint](#) |

“A journal dedicated to the description, development, and evaluation of numerical models of the Earth system and its components”

2015:

- impact factor = 3.65
- papers submitted = 282
- acceptance rate = 80%.
- profit = 34 thousand
- euro

Editorial v1.1 published - Code must be made available and all papers must contain a code/data availability section.

2016

- : CMIP6 special issue - 18 papers submitted so far (about 30 expected)



Agenda 2016

1. EGU
2. CL Organisation
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4. EGU and CL 2016 Statistics
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7. Mini Medal lecture by Malte F. Stuecker (CL-Division Outstanding Young Scientist Award 2016)
8. Reports from journals relevant to CL
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 - Geoscientific Model Development (Julia Hargreaves)
9. **Early Career Scientist in CL / Outreach**
10. Travel support
11. Union information
12. Any other business



Early career scientists in EGU

Julie Durcan

- An ECS is an undergraduate or postgraduate (Masters/PhD) student or a scientist who has received his or her highest degree (BSc, MSc, or PhD) within the past seven years.
- Approximately 1/3 of EGU members are early career scientists – it's important that your voice is heard.
- The ECS website provides information for early career researchers at <http://www.egu.eu/ecs/> including careers, financial support, events & resources.
- There are ECS awards at a division & assembly level.



Your ECS representative

- ECS rep provides a link between the ECS community & the EGU.
- They maintain & promote a supportive environment for young scientists within the union.
- ... would you like to be involved?
- Contact the current ECS rep, Julie Durcan, with questions, comments, feedback etc.
 - julie.durcan@ouce.ox.ac.uk
 - @durcanjulie



European Geosciences Union

Division on
Climate: Past, Present & Future



What's going on this year?

Lots....



What's going on this year?

- Meet the editors workshop, Wed 20 Apr, 17.30 – 19.00, 0.31
 - An open discussion with chief editors Professor Carlo Barbante (Climate of the Past) & Professor Axel Kleidon (Earth System Dynamics) covering a range of topics from paper writing, reviewing & open access publication.
- Using Ice Core Chronologies: Dos and Don'ts, Wed 20 Apr, 19.00 – 20.00, 0.31
 - Professor Anders Svensson will discuss how to and how not to use ice core data for comparison with other climate and time series data.
- Introduction to Bayesian modelling, Thu 21 Apr, 17.30 – 19.00, 0.31
 - Professor Richard Chiverrel will share his broad experience of Bayesian modelling & its application within a wide range of geomorphological and climatic scenarios.
- Introduction to climate modelling, Thu 21 Apr, 19.00 – 20.00, 0.31
 - Professor Christoph Raible will share his broad experience of climate modelling & its application to climates of the past, present & future.



What's going on this year?

- There are lots of other ECS courses and skills sessions organised. See: <http://meetingorganizer.copernicus.org/EGU2016/sessions-of-special-interest/ECS>
- Come and find out more about the ECS community by coming to the EGU Early Careers Scientist's Forum on Wed 20 Apr, 12:15–13:15, Room L7
- Meet the EGU CL division president, Tue 19 Apr and Thu 21 Apr 15.00 – 15.30, EGU Booth
- ECS Lounge, *Red level*
 - A relaxed, informal space to meet other young scientists, enjoy a coffee, and recharge your laptop (and yourself). You'll find lots of information about cultural and social activities in Vienna and there's also the opportunity to feedback via the suggestions board.

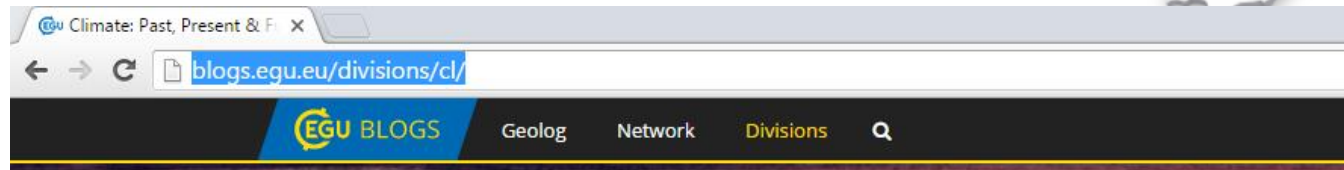


Outreach

Outreach reps:

Celia Sapart, Jenny Stanford, Kathryn Adamson

- We coordinate blog posts, Twitter feeds
- We welcome all contributions from across the division
- Blog posts on: climate 'basics', field and lab work, research findings
- Short (100-200 words) and longer articles, videos, photographs, cartoons...



[EGU Blogs](#) » [Divisions](#) » [Climate: Past, Present & Future](#)

Climate: Past, Present & Future

EGU, Vienna 2015: the round-up

Kathryn Adamson · July 8, 2015

EGU by numbers

In April, the EGU returned to Vienna for their annual Congress meeting. Over 11,837 scientists from 108 countries descended in the Vienna International Centre for the six-day conference. Delegates enjoyed over 4,870 oral presentations, 8,489 posters, and 705 PICO presentations. That's a lot of science!





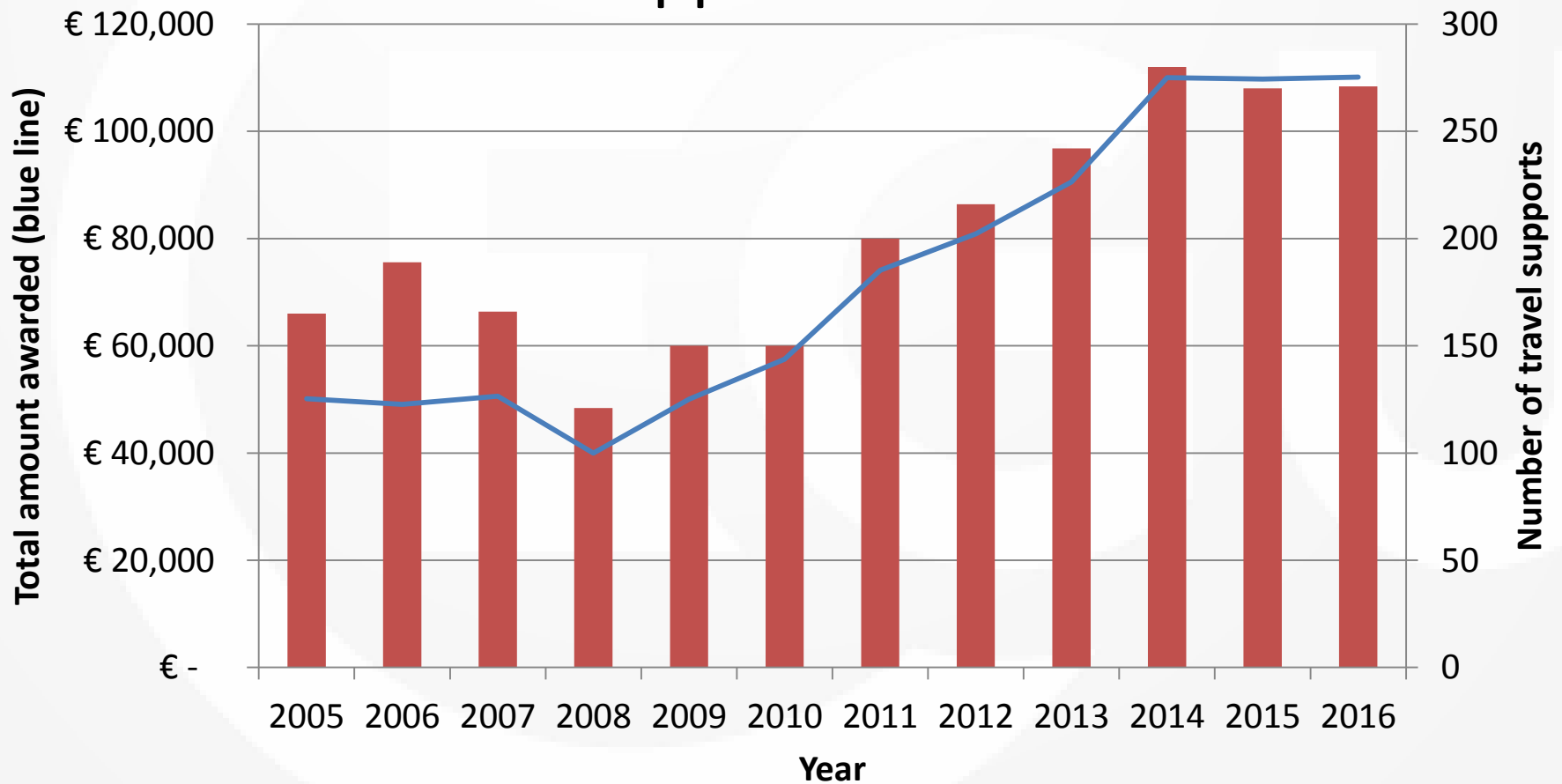
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Rules for EGU2016 (identical to 2015)

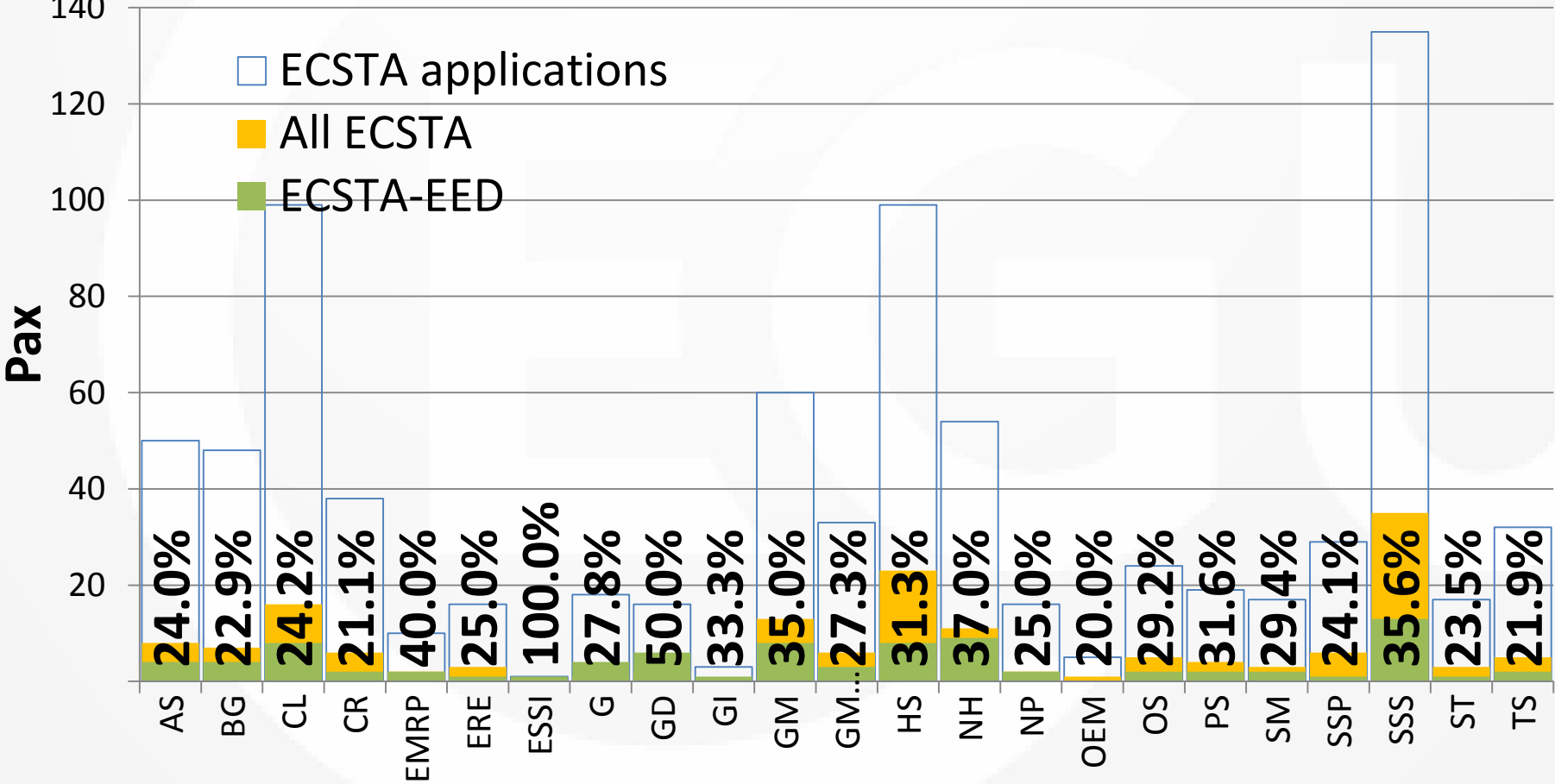
Scheme	Target audience	Approximate Funding allocation	Funding
Young Scientist's Travel Award (YSTA)	Young scientists (world wide with earmarked funds for European economically disadvantaged (EED) countries)	EED: 30-35%	<ul style="list-style-type: none"> • Registration • APC • Maximum of €300 travel expenses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

Travel support 2005-2016



Category	Submitted applications	Eligible applications	Successful applications	Success Rate (of eligible applications)	%-age of selected applications
ESTA	58	38	23	61%	8%
ECSTA-EED	169	169	86	51%	32%
ECSTA-other	671	670	162	24%	60%
<i>ECSTA-ALL</i>	840	839	248	30%	
ALL	898	877	271	31%	

ECSTA applications by PGs



In CL 99, 16, 8



Support application:

Prize to pay: Early submission (*typically 6 weeks before the normal deadline*)

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 General 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.egu2016.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) and Facebook (European Geosciences Union)
- Participants can ask questions & keep updated by following #EGU16

Outreach and Policy

- **Expertise database;** the new Science Policy Fellow, Sarah Connors, asks EGU members who want to become more involved with policy to register on the new EGU expertise database

www.egu.eu/policy/expertise

Contact email: policy@egu.eu; Website: www.egu.eu/policy

- **Public engagement grants;** Two excellent projects “to celebrate and recognise science communication in the Earth, planetary and space sciences” were selected for 2106, to be announced at 12:15 on Friday. Applications for 2017 are welcome (after November) at: <http://www.egu.eu/user-area/peg/>.

Purpose of Galileo conferences:

- Bring together up to 100 participants for a 3-5 days meeting to discuss a well-focused cutting-edge topic at the frontier of geosciences research in a stimulating environment.
- Possibility to publish a special Galileo Conference proceeding issue in one of the EGU journals

Support:

- EGU is putting at disposal the conference organization tools; web hosting, abstract, programme and registration management.
- EGU provides comprehensive organisational support by organizing e.g. venue, poster boards, catering, Wi-Fi facilities, etc. Thereby the organising committee can fully focus on the scientific aspects of the conference.
- Support for Early Career Scientists (up to 5000€)
- EGU is covering a potential deficit of the event.



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EGU 2017 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.



European Geosciences Union

Division on
Climate: Past, Present & Future



Any other business?



Important deadlines

- 1) June 15, 2016 Awards (open now)**
- 2) Session proposals (E-mail to cl@egu.eu or open call July to mid September)**

**Enjoy the 2016 meeting!
Have fun and see you at EGU2017
23-28 April 2017**

**Meet me at the EGU booth in the poster area
Today, 19 Apr, 15:00-15:30
Thu, 21 Apr, 15:00-15:30**