



European Geosciences Union

Division on
Climate: Past, Present & Future



Division Meeting

Climate: Past,
Present & Future

Division



Thomas Blunier

Welcome



European Geosciences Union

Division on
Climate: Past, Present & Future



Agenda 2015

1. EGU
2. CL Organisation
3. Awarding of OSP awards from EGU 2014
4. EGU and CL 2015 Statistics
5. Organization CL at GA 2015
6. Division medals
7. Mini Medal lecture by Jeremy Shakun (CL-Division Outstanding Young Scientist Award 2015)
8. Journals relevant to CL
 - CP Report [Thorsten Kiefer, 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



European Geosciences Union

Division on
Climate: Past, Present & Future



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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 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: Günter Blöschl



- General Secretary Miora Mandrea



- Treasurer: Patric Jacobs





Union Offices

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Division on
Climate: Past, Present & Future



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Division on
Climate: Past, Present & Future



Current 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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Outreach	Jennifer D. Stanford	J.D.Stanford@swansea.ac.uk
OSP Coordinator	NN	-



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Climate: Past, Present & Future



- Approval of team
- Additional team members





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Division on
Climate: Past, Present & Future



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Climate: Past, Present & Future



- Outstanding Student Poster (OSP).
- 5 awards from EGU 2014.
- 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.**

<http://www.egu.eu/awards-medals/union-osp-award/2014/>



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Division on
Climate: Past, Present & Future



Eduardo Moreno-Chamarro

Outstanding Student Poster (OSP) Awards 2014

Climate: Past, Present & Future



The 2014 Outstanding Student Poster (OSP) Awards is awarded to Eduardo Moreno-Chamarro for the poster entitled:

Simulated cold events in the northern North Atlantic during the last millennium (Chamarro, E.; M.; Zanchettin, D.; Lohmann, K.; Junglaus, J.).

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

Eduardo Moreno-Chamarro is a PhD student at the Max Planck Institute of Meteorology, Hamburg, as member of the International Max Planck Research School on Earth System Modelling. His main research interest is the study of the natural North Atlantic-Arctic climate variability during the last millennium and its underlying dominant mechanisms. The poster presented during the EGU 2014 describes the main features and the driving mechanism of a number of internally-generated cold events in the northern North Atlantic on decadal time scales, as well as their possible role on demising the Norse settlements in Greenland during the first half of the last millennium.



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Division on
Climate: Past, Present & Future



Mathew Stiller-Reeve

Outstanding Student Poster (OSP) Awards 2014

Climate: Past, Present & Future



The 2014 Outstanding Student Poster (OSP) Awards is awarded to Mathew Stiller-Reeve for the poster entitled:

Reconciling societal and scientific definitions for the monsoon (Stiller-Reeve; M. A.; Stephenson, D. B.).

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

I am a PhD student at Uni Research Climate in Bergen, Norway, which is also a part of the Bjerknes Centre for Climate Change. In my research I take an interdisciplinary approach to studying the monsoon. I have developed techniques to guide climate research design using the perceptions of the people in Bangladesh. In my poster, I present a method that we have developed to compare the peoples perceptions with different monsoon onset definitions. With this information, we can then better plan research so that the people can relate to it more easily thereby encouraging action.

My poster was part of the Climate Services session. Climate Services is a meeting point for natural and social scientists from many different fields. I therefore designed my poster around a simple storyboard format, which I hoped as many people as possible would be able to follow.



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Division on
Climate: Past, Present & Future



Saúl González-Lemos

Outstanding Student Poster (OSP) Awards 2014

Climate: Past, Present & Future



The 2014 Outstanding Student Poster (OSP) Awards is awarded to Saúl González-Lemos for the poster entitled:

The use of water marks mapping to understand flood overflow events inside karstic cavities: Cueva Fría and Cueva Rosa (Asturias, NW Spain) (González-Lemos, Saúl; Stoll, H. M.).

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

Saúl González-Lemos is a PhD student in the Department of Geology at the University of Oviedo in Spain, under the supervision of Dr. Heather M. Stoll. His PhD Project focuses on the detailed study of several caves that show evidence of having flooded in the past. Through detailed geomorphological mapping and sampling and subsequent multiproxy analysis of speleothems, the project aims to construct flooding models for each cave and establish the relationship between floods and climate during the Holocene.

The presentation at EGU 2014 focused on the study of two caves (Asturias – NW Spain) in which there is evidence of modern flooding. In these caves we have made detailed geomorphological mapping and studied stalagmites to establish a flooding model in each cave.



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Division on
Climate: Past, Present & Future



Tobias Weber

Outstanding Student Poster (OSP) Awards 2014

Climate: Past, Present & Future



The 2014 Outstanding Student Poster (OSP) Awards is awarded to Tobias Weber for the poster entitled:

Is the Eocene's climate affected by ocean tides? (Weber, T.; Thomas, M.).

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

Tobias Weber is a PhD student at GFZ German Research Centre for Geosciences and Freie Universität Berlin (Germany). He investigates the interaction between different climate components and their evolution over geological time scales. For this purpose, the climates of the Pliocene and Early Eocene have been simulated with a dynamically coupled global model system. In contrast to other climate studies the model setup considers ocean tides, thus, allowing interactions of tidal and circulation induced dynamics. The EGU 2014 poster presents a way to include tidal forcing into a coupled atmosphere-ocean model. It is shown that tidal residual currents strengthen ocean circulation in the Early Eocene and induce formerly not existing bottom currents. In addition, tidally increased vertical mixing lowers temperatures in the upper 2000m and increases temperatures below.



European Geosciences Union

Division on
Climate: Past, Present & Future



Yamoah K. K. Afrifa

Outstanding Student Poster (OSP) Awards 2014

Climate: Past, Present & Future



The 2014 Outstanding Student Poster (OSP) Awards is awarded to Yamoah K. K. Afrifa for the poster entitled:

Southeast Asian Monsoon variability may have assisted the rise and fall of the Khmer Empire (Afrifa, Y. K. K.; Chabanborn, A.; Chawchai, S.; Wohlfarth, B.; Smittenberg, R. H.).

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

Kweku Yamoah is a PhD student at Stockholm University, Stockholm Sweden. His research interest includes using biomarkers and their hydrogen isotope analysis as a quantitative paleo-hydrological tool to reconstruct the Southeast Asian hydro-climate.

The poster discusses the causes in climate variability during the last 2000 years and how this variability influenced the Khmer Empire (Angkor Civilization).



European Geosciences Union

Division on
Climate: Past, Present & Future



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EGU General Assembly 2015 facts

As of 07 April, the Assembly 2015 provides:

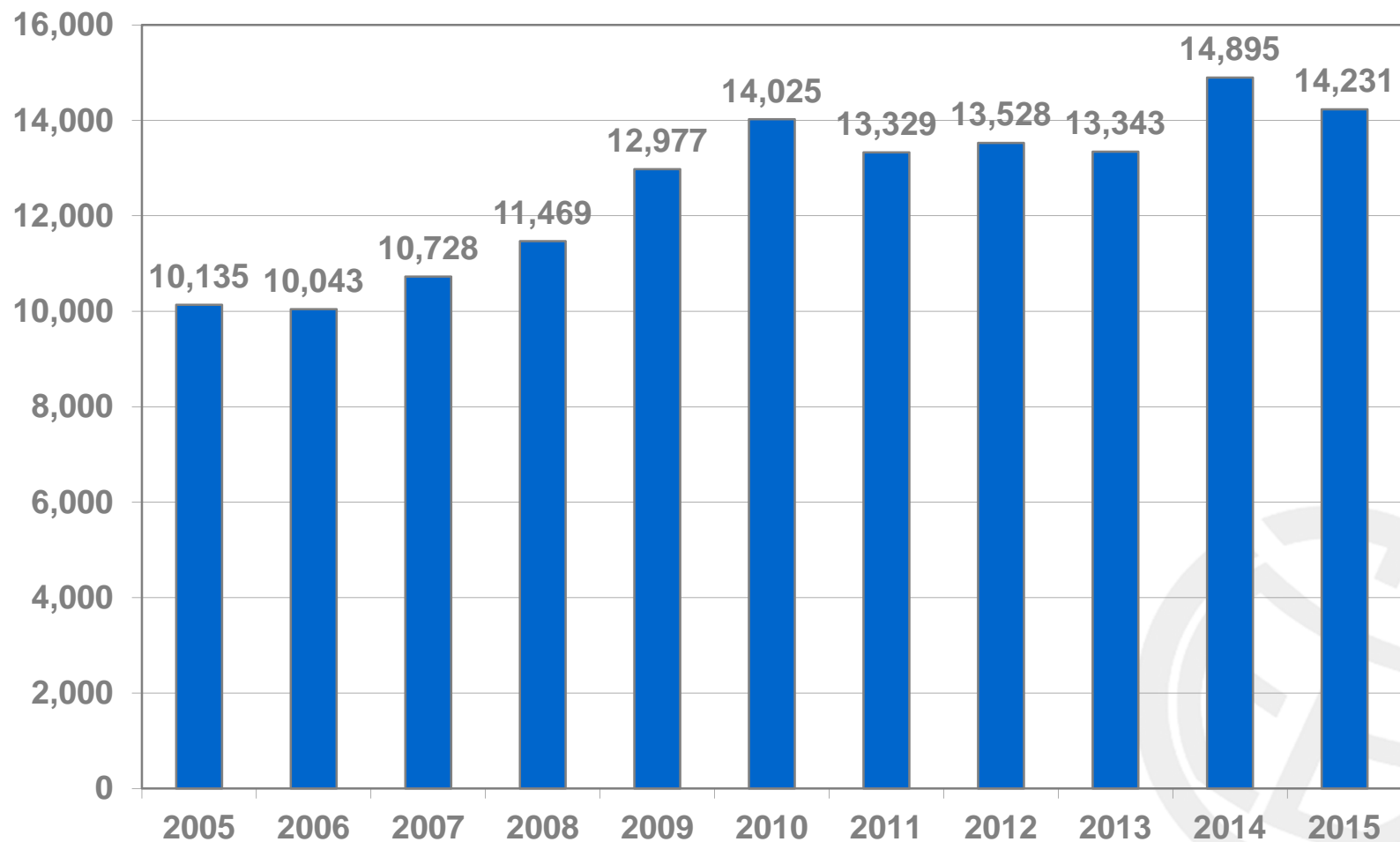
- 14,231 papers in programme | -4.46% (2014)
- 4,900 orals | 8,608 posters | 723 PICOs | ratio 34.5 / 60.5 / 5
- 379 unique scientific sessions | 285 side events*
- 8,848 registrations in advance (8,800 already paid) | -13.77% (2014)

*Side events include: GDB, ML, GL, KL, TM, EGU, SC, SPM, DM, EBM, UM, OM



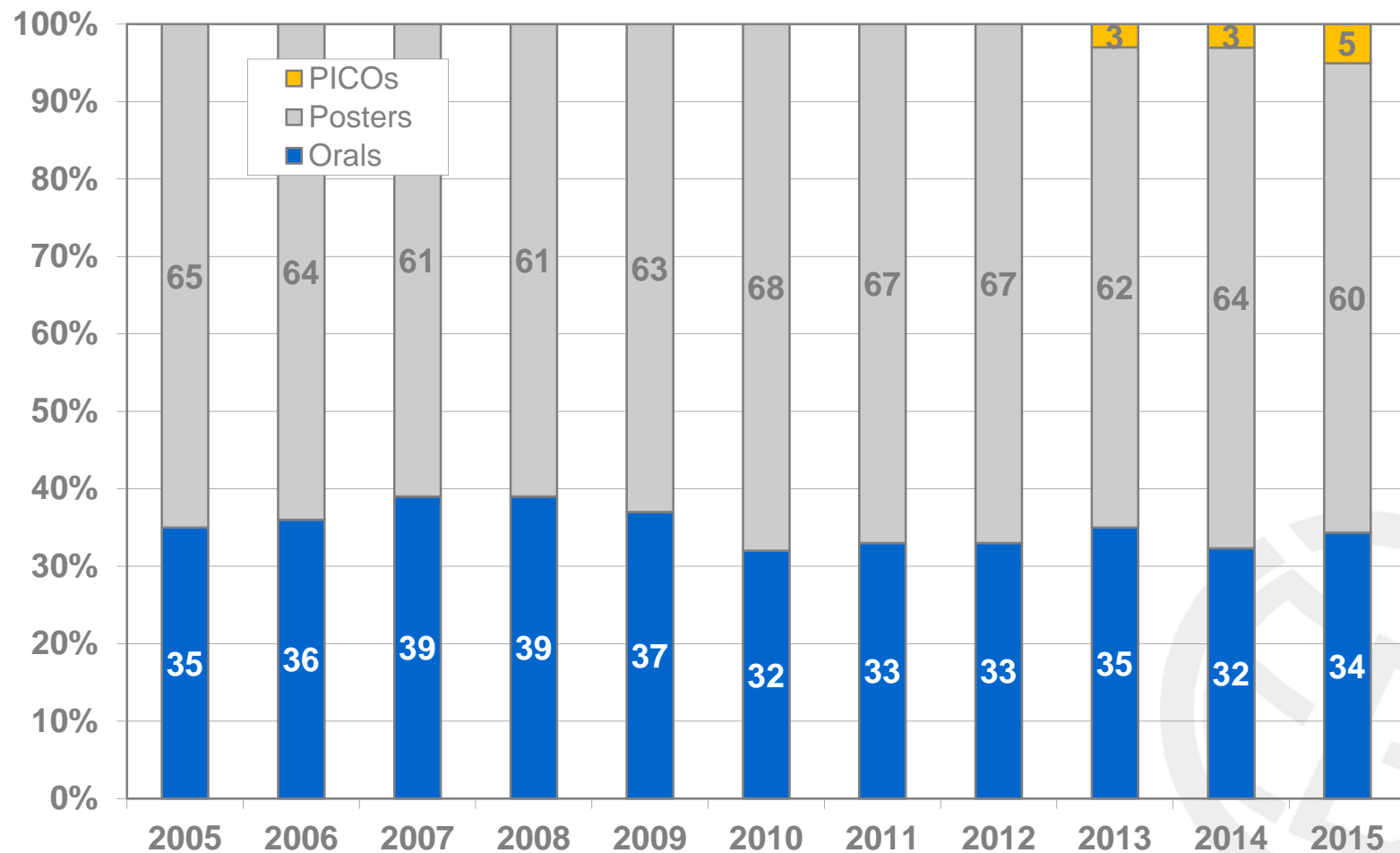


Papers in programme 2005–2015



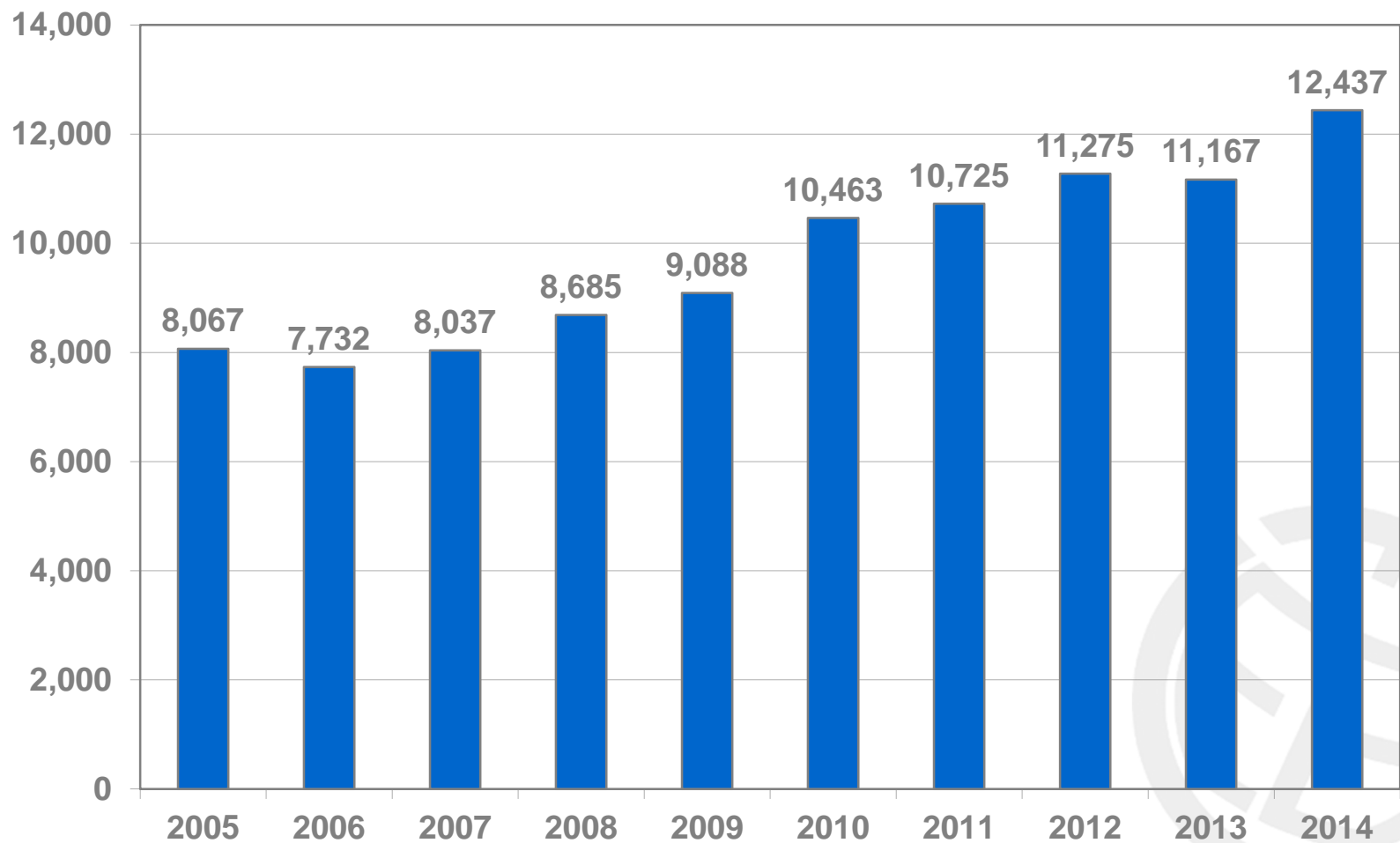


Presentation ratio 2005–2015





Participants at EGU Assemblies 2005–2014





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Division on
Climate: Past, Present & Future



Some GA 2015 statistics

Programme Group Statistics

Scheduled	Total: 1,588
Status	Active: 1,556 (98%) Withdrawn: 32 (2%)
Granted Supports	None: 1,592 (100%) YSTA: 11 (1%) ESTA: 2 (0%)
Presentations	Orals: 526 (33%) Posters: 1,011 (64%) PICO: 51 (3%)

Meeting Statistics

Scheduled	Total: 14,749
Status	Active: 14,136 (96%) Withdrawn: 613 (4%)
Granted Supports	None: 13,882 (98%) YSTA: 228 (2%) ESTA: 26 (0%)
Presentations	Orals: 4,887 (33%) PICO: 716 (5%) Posters: 8,533 (58%)

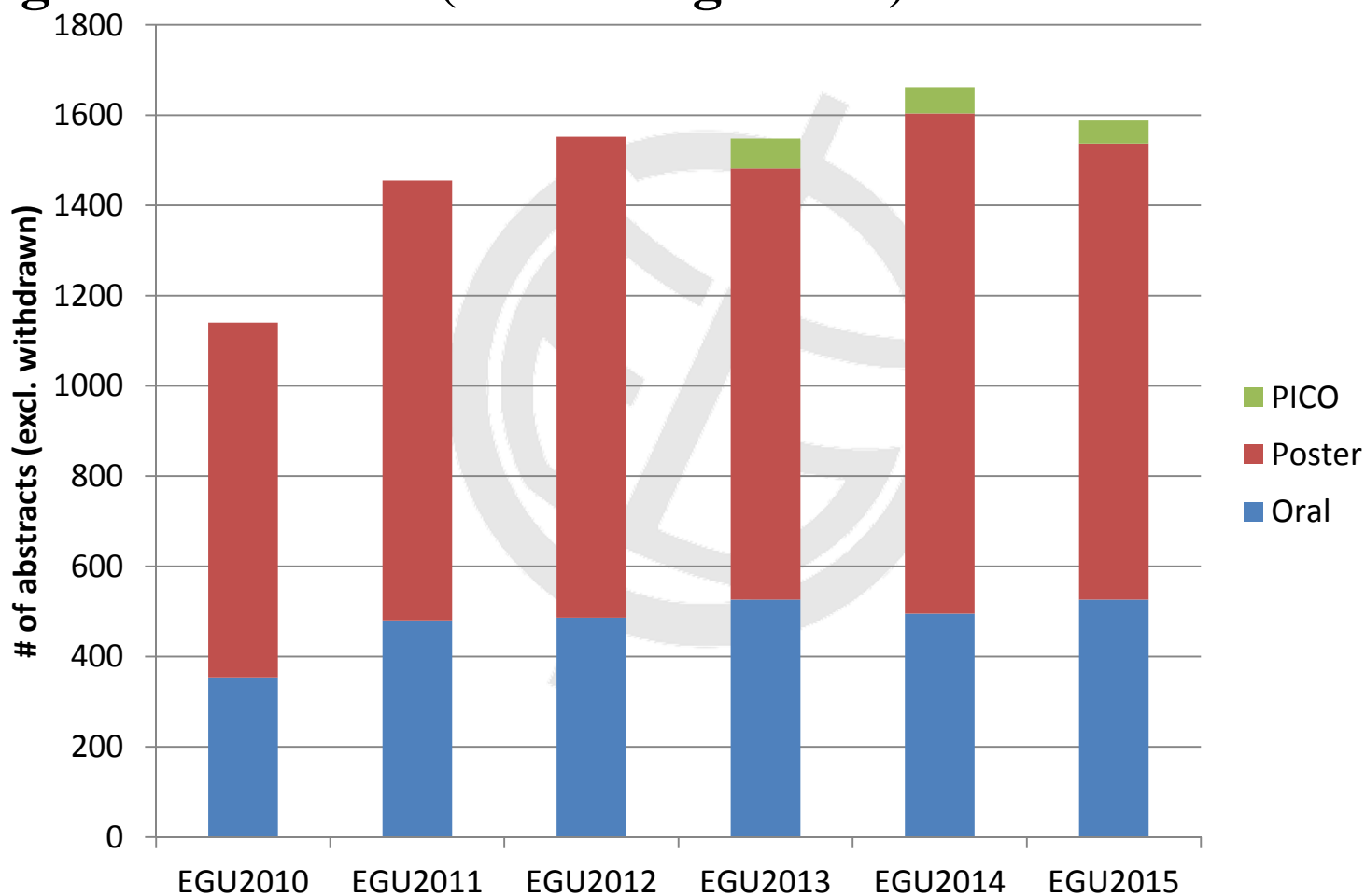


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Division on
Climate: Past, Present & Future



CL long term statistics (incl. coorganized)





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Division on
Climate: Past, Present & Future



2015

Programme Group	Lead Sessions			Co-org. Sessions		Total	
	#Abs.	%	#Ses.	#Abs.	#Ses.	#Abs.	#Ses.
HS Hydrological Sciences	1,828	13%	78	700	33	2,528	111
SSS Soil System Sciences	1,541	11%	59	505	34	2,046	93
AS Atmospheric Sciences	1,381	10%	42	636	20	2,017	62
CL Climate: Past, Present, Future	1,157	8%	39	398	15	1,555	54
NH Natural Hazards	928	7%	37	416	18	1,344	55
TS Tectonics & Structural Geology	798	6%	29	692	30	1,490	59
BG Biogeosciences	682	5%	33	281	10	963	43
OS Ocean Sciences	592	4%	22	314	11	906	33



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Division on
Climate: Past, Present & Future



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European Geosciences Union

Division on
Climate: Past, Present & Future



Organization of the scientific program in 6 subsections:

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

CL rooms:

Full

Y6 117 PAX
Y8 120 PAX
Y9 531 PAX

Part

Y1/Y4 531 PAX

Preference is given to co-organized sessions rather than co-listed sessions. **From next year co-listing will disappear.**



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Division on
Climate: Past, Present & Future



CL scheduling (CL lead, excluding co-organized)

	2013	2014	2015
Oral Preference	634	621	693
Poster Preference	447	473	501
Total	1081	1094	1194
(PICOs counted as posters)			
Oral Blocks	63	60	66
Orals	372	354	393
Picos	66	55	18

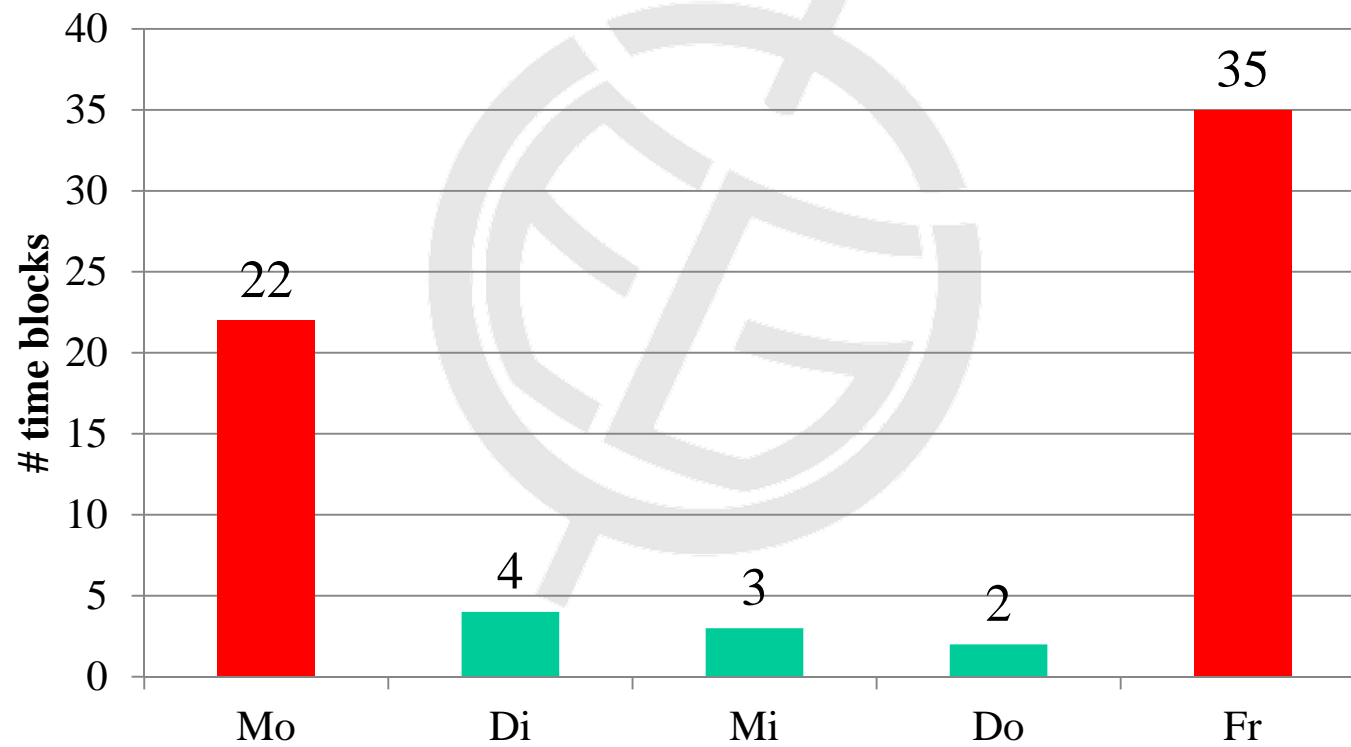


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Division on
Climate: Past, Present & Future



of time blocks excluded by conveners (out of 66)



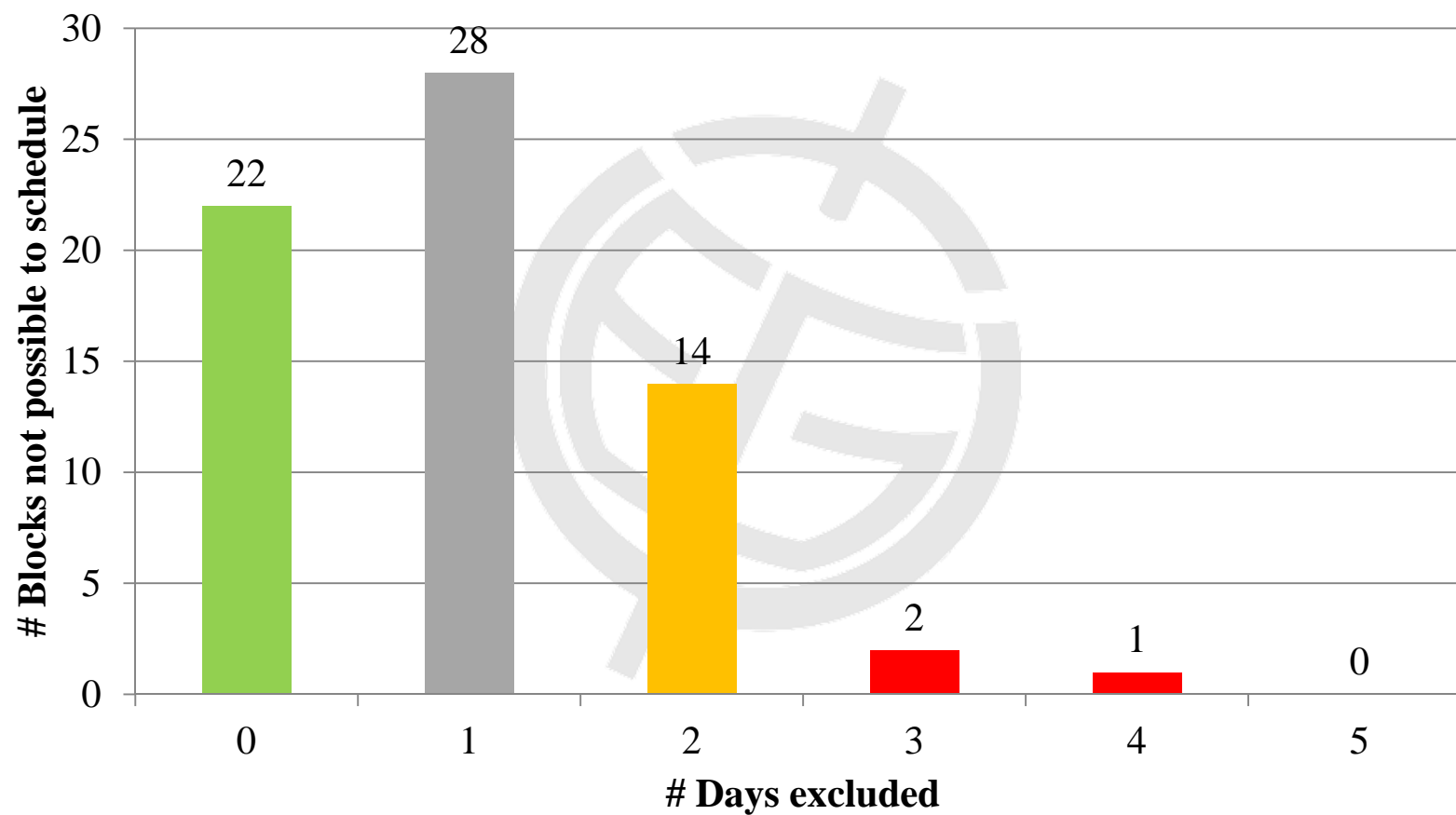


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Climate: Past, Present & Future



Blocks excluded





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Division on
Climate: Past, Present & Future



Traditional poster sessions in block 5 every day

PICO sessions

CL1.3 Paleoclimate and environmental records in Quaternary continental archives

Convener: Nathalie Fagel | Co-Conveners: Marie-France Loutre ,
Sophie Verheyden

Thu, 16 Apr, 13:30-15:00





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Climate: Past, Present & Future



**PSD Poster Summaries & Discussions
no longer exists**

The future is:





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Division on
Climate: Past, Present & Future



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European Geosciences Union

Division on
Climate: Past, Present & Future



Medals at Division level:

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

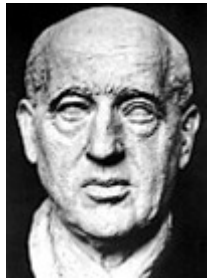


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Division on
Climate: Past, Present & Future



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).





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Division on
Climate: Past, Present & Future



Jeremy D. Shakun

Division Outstanding Young Scientists Award 2015

Climate: Past, Present & Future



The 2015 Division Outstanding Young Scientists Award is awarded to Jeremy D. Shakun for his key contributions to the quantitative assessments of modern and past climate variability.

Jeremy D. Shakun's research has addressed quantitative assessments of modern and past climate variability, extending from analysis of instrumental records to regional and global climate changes of the past. His most significant research involved a comprehensive data synthesis, uncertainty analysis, and robust statistical evaluation to establish the relation between regional and global temperature variability during the last deglaciation and its various forcings. This highly original work contributed to several recent landmark papers, most notably his paper published in *Nature* (2012), which establishes a primary role for CO₂ in the global warming of the last deglaciation, and his contributions to the paper published in *Science* (2013), which provides a long-term (Holocene) context for recent global warming.

He has also made substantial contributions to the analysis of high-resolution climate change in speleothems and an innovative analysis of mechanisms for propagation and translation of interannual climate variability in the tropics into decadal-scale variability at higher latitudes.

Jeremy Shakun's groundbreaking research, combined with his tremendous potential for future sustained exceptional research make him an worthy recipient of the EGU Climate Division Outstanding Young Scientists Award.

An 800-kyr Record of Global Surface Ocean $\delta^{18}\text{O}_{\text{sw}}$ and Implications for Ice Volume-Temperature Coupling

Jeremy Shakun, David Lea, Lorraine Lisiecki, and Maureen Raymo

We use 49 paired sea surface temperature (SST)-planktonic $\delta^{18}\text{O}$ records to extract the mean $\delta^{18}\text{O}$ of surface ocean seawater ($\delta^{18}\text{O}_{\text{sw}}$) over the past 800 kyr, which we interpret to dominantly reflect global ice volume, and compare it to SST variability on the same stratigraphy. This analysis suggests that ice volume and temperature contribute to the marine isotope record in ~60/40 proportions, but they show consistently different patterns over glacial cycles. Global temperature cools early during each cycle while major ice sheet growth occurs later, suggesting that ice volume may have exhibited a threshold response to cooling and also had relatively little feedback on it. Multivariate regression analysis suggests that the rate of ice volume change through time is largely determined by the combined influence of orbital forcing, global temperature, and ice volume itself ($r^2 = 0.70$ at zero-lag for 0-400 ka), with sea level rising faster with stronger insolation and warmer temperatures and when there is more ice available to melt. Indeed, cross-spectral analysis indicates that ice volume exhibits a smaller phase lag and larger gain relative to SST at the 41 and 23 kyr periods than at the 100 kyr period, consistent with additional forcing from insolation at the obliquity and precession time scales. Removing the surface ocean $\delta^{18}\text{O}_{\text{sw}}$ signal from the global benthic $\delta^{18}\text{O}$ stack produces a reconstruction of deep ocean temperature that bears considerable similarity to the Antarctic ice core temperature record ($r^2 = 0.80$ for 0-400 ka), including cooler interglacials before 400 ka. Overall, we find a close association between global surface temperature, deep ocean temperature, and atmospheric CO_2 . Additionally, we find that rapid cooling precedes the gradual buildup of large continental ice sheets, which may then be instrumental in terminating the cycle.



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Division on
Climate: Past, Present & Future



Milutin Milankovic Medal lecture



Paul J. Valdes

Modelling Phanerozoic Climate Change

Wed, 15 Apr, 10:30-12:00 / Room Y9





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Division on
Climate: Past, Present & Future



Hans Oeschger Medal



No medal this year

www.egu.eu/awards-medals/proposal-and-selection-of-candidates/

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



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Division on
Climate: Past, Present & Future



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 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.**



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Division on
Climate: Past, Present & Future



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

Division on
Climate: Past, Present & Future



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).



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Division on
Climate: Past, Present & Future



Hans Oeschger medal committee

Name	Year	Remark
Dominique Raynaud	4	Chair
Sheri Fritz	2	
Myriam Bar-Matthews	3	
Michael Mann	4	
Ray Bradley	4	
		rotated off R. Delmas

Milutin Milankovic medal committee

Name	Year	Remark
Andrey Ganopolski	2	Chair
Paul Valdes	1	replaces André Berger
Maureen Raymo	2	
Didier Paillard	3	
Wolfgang Berger	4	

Ex-officio CL and Award committee presidents



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Climate: Past, Present & Future



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Climate of the Past

An interactive open-access journal of the European Geosciences Union




| EGU.eu | EGU Journals | Contact | Imprint |

Climate of the Past (CP)

The EGU's / Climate Division's / community's ... paleoclimate journal

What is special about CP?

- Open Access 
- Public peer review
- Transparent editorial process
- Purple!



Climate of the Past

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What is **NEW** in **CP**?

- Nicer appeal (cover, article layout, website)
- More information (metrics, article summaries, tweets)
- More transparency (second round reviews posted)
- New co-chief editor – Nerilie Abram

Climate of the Past

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Late Pleistocene–Holocene ground surface heat flux changes reconstructed from borehole temperature data (the Urals, Russia)

D. Y. Demezhko and A. A. Gornostaeva

Institute of Geophysics UB RAS, Yekaterinburg, Russia

Correspondence to: D. Y. Demezhko (ddem54@inbox.ru)

Received: 16 July 2014 – Published in Clim. Past Discuss.: 29 August 2014

Revised: 20 February 2015 – Accepted: 22 March 2015 – Published: 9 April 2015

Abstract. We use geothermal reconstruction of the ground surface temperature (GST) history early obtained in the Middle Urals to determine the surface heat flux (SHF) history over the past 35 kyr. A new algorithm of GST–SHF transformation was applied to solve this problem. The timescale of geothermal reconstructions has been corrected by comparing the estimated heat flux and annual insolation at the latitude of 60° N. The consistency of SHF and insolation changes on the interval 35–6 kyr BP with the linear correlation coefficient $R = 0.99$ points to orbital factors as the main cause of climatic changes during the Pleistocene–Holocene transition. The amplitude of SHF variations is about 1.3 % of the insolation change amplitude. The increase of carbon dioxide concentrations lagged by 2–3 kyr from the SHF increase and occurred synchronously with GST changes.

1 Introduction

The role of orbital factors in Pleistocene climatic variations has been studied for more than 100 years since the works of Joseph Adhemar, James Croll and Milutin Milankovitch. A popular approach is comparing palaeotemperatures reconstructed from proxy data (oxygen isotopes, palynological or others) with theoretically calculated insolation. Some investigators (Peixóto and Oort, 1984; Pielke, 2003; Douglass and Knox, 2012) criticized this approach. They noted that temperature field is not an optimal parameter for climate attribution, particularly for evaluation of climatic reaction on the external radiative forcing. There is a lag between external radiative flux and temperature changes, which disappears if we consider the heat content or the surface heat flux

changes. The advantage of heat flux estimation over a temperature estimation was not realized in full until now. Wang and Bras (1999) proposed the integral relation to estimate surface heat flux (SHF) changes from ground surface temperature (GST) variations. A finite-difference approximation of the relation between the GST (represented by a piecewise linear function of temperature) and the SHF was proposed by Beltrami et al. (2002). SHF history reconstructions based on borehole temperature data were made on timescales from several centuries to a millennium (Beltrami et al., 2002, 2006; Huang, 2006). Another approach was used in Majorowicz et al. (2012). Subsurface temperatures were calculated from solar irradiance change using information about climate sensitivity.

In the paper we use geothermal reconstruction of GST history early obtained in the Middle Urals (Demezhko and Shchapov, 2001) to determine the SHF history over the past 35 kyr. The recently developed improved algorithm of GST–SHF transformation (Gornostaeva, 2014) was applied to estimate the SHF history. Palaeoclimatic interpretation of GST and SHF histories is based on a comparison of them with orbitally driven solar insolation and atmospheric carbon dioxide changes.

2 The method

The GST–SHF transformation algorithm is based on the relation between surface heat flux and surface temperature changes according to Fourier's equation in one dimension:



Climate of the Past

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What is **NEW** in **CP**?

- Nicer appeal (cover, article layout, website)
- More information (metrics, article summaries, tweets)
- More transparency (second round reviews posted)
- New co-chief editor – Nerilie Abram

New co-chief: Nerlie Abram - Australian National University





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What's next?

- De-emphasis of Discussion papers
- Carlo Barbante takes over as chief-of-chiefs



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3.48	Impact Factor 2013 (similar estimate for 2014)
151	Papers submitted 2014
156	Papers published 2014
20	Rejection rate %
1	Special issue finalized in 2014
30	Editors on the Editorial Board
10	Years since launch of Climate of the Past

A community journal grown up: Celebrating 10 years of Climate of the Past



Thursday 16 April, room Y9, 7:00–8:00 pm – Refreshments and Prizes



Earth System Dynamics

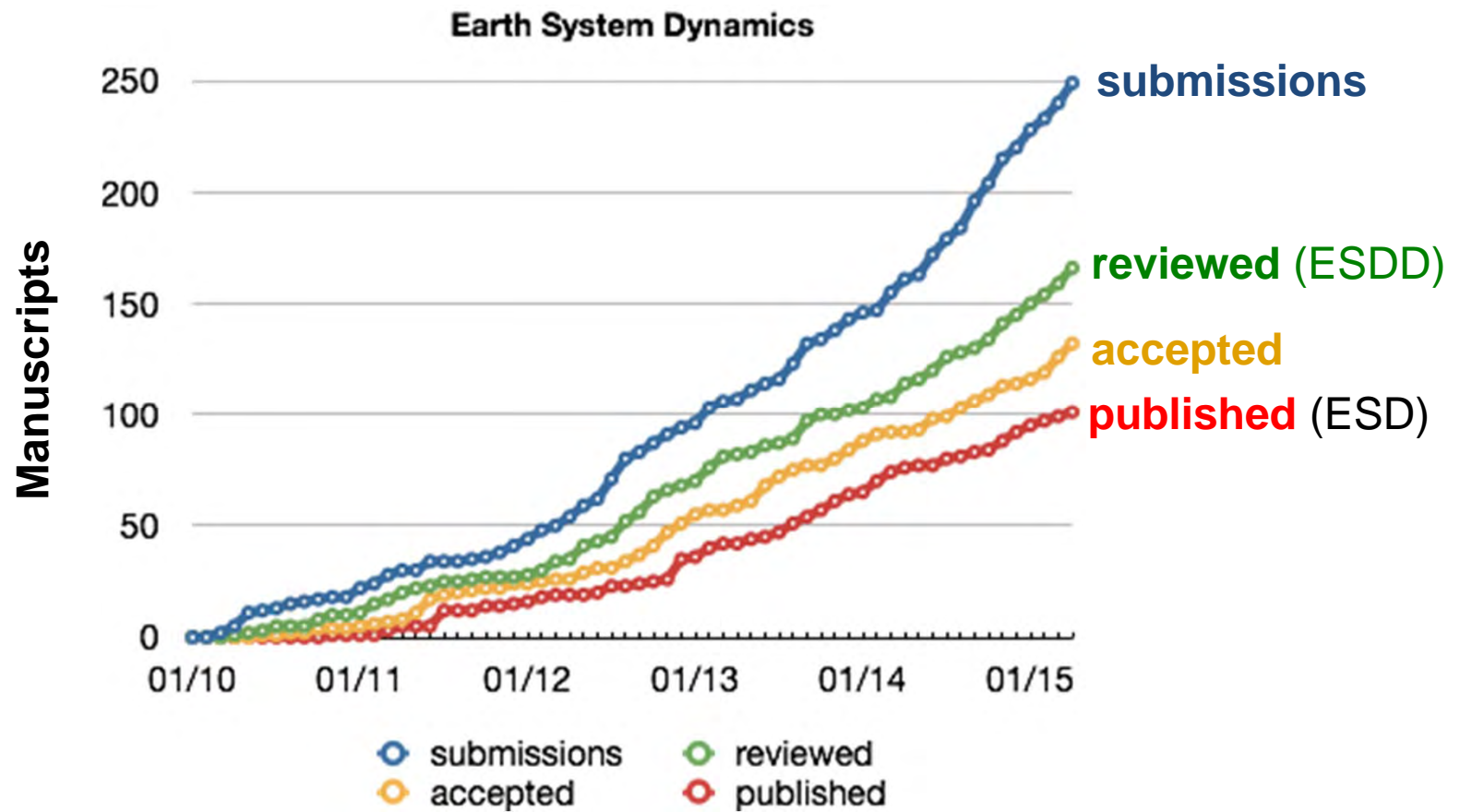
- **interdisciplinary journal** of the EGU: focus on Earth as a system
 - **climate dynamics**: e.g., climatology, atmosphere-ocean dynamics, land-atmosphere interactions, ...
 - **climate change**: e.g., climate prediction, future climate change, impacts of climatic change, integrated assessment
 - **human activity**: e.g., carbon sequestration, climate engineering, renewable energy, effect of land use change
- **open review, open access** model of Copernicus
- relatively new, **ISI-listed** since 2013, first **impact factor** of **2.77** (2014)
- **no page charges** in 2015, reduced charges starting 2016
- follow us on **twitter**: **@egu_esd**
- **chief editors**: Axel Kleidon, Valerio Lucarini, Ning Zeng
- **editorial board**: 40 editors, international, still growing



NEW



Submissions since 2010



Updated web page; new page layout

The screenshot shows the homepage of the Earth System Dynamics journal. The browser address bar displays "earth-syst-dynam.net". The page features a header with the journal title and logo, a navigation bar with links to "EGU Journals", "Contact", and "Imprint", and a sidebar with "Submit a manuscript" and "Manuscript tracking" buttons. The main content area lists recent final revised papers with titles, authors, and dates. A search box for "Search ESD" and a "Site search" box are also visible.

Earth System Dynamics
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ESD - Recent final revised papers

Effects of climate variability on savannah fire regimes in West Africa 07 Apr 2015
E. T. N'Datchoh, A. Konaré, A. Diedhiou, A. Diawara, E. Quansah, and P. Assamoi
Earth Syst. Dynam., 6, 161-174, doi:10.5194/esd-6-161-2015, 2015
▶ Abstract ▶ Final Revised Paper (PDF, 1518 KB) ▶ Discussion Paper (ESDD)

The impact of land cover generated by a dynamic vegetation model on climate over east Asia in present and possible future climate 07 Apr 2015
M.-H. Cho, K.-O. Boo, G. M. Martin, J. Lee, and G.-H. Lim
Earth Syst. Dynam., 6, 147-160, doi:10.5194/esd-6-147-2015, 2015
▶ Abstract ▶ Final Revised Paper (PDF, 4121 KB) ▶ Discussion Paper (ESDD)

Decadal regime shift linkage between global marine fish landings and atmospheric planetary wave forcing 02 Apr 2015
A. M. Powell Jr. and J. Xu
Earth Syst. Dynam., 6, 125-146, doi:10.5194/esd-6-125-2015, 2015
▶ Abstract ▶ Final Revised Paper (PDF, 8283 KB) ▶ Discussion Paper (ESDD)

A 12-year high-resolution climatology of atmospheric water transport over the Tibetan Plateau 13 Mar 2015
J. Curio, F. Maussion, and D. Scherer
Earth Syst. Dynam., 6, 109-124, doi:10.5194/esd-6-109-2015, 2015
▶ Abstract ▶ Final Revised Paper (PDF, 8177 KB) ▶ Discussion Paper (ESDD)

Sustainable management of river oases along the Tarim River (SuMaRIO) in Northwest China under conditions of climate change 09 Mar 2015
C. Rumbaur, N. Thevs, M. Disse, M. Ahlheim, A. Brieden, B. Cyffka, D. Duethmann, T. Feike, O. Frör, P. Gärtner, Ü. Halik, J. Hill, M. Hinnenthal, P. Keilholz, B. Kleinschmit, V. Krysanova, M. Kuba, S. Mader, C. Menz, H. Othmanli, S. Pelz, M. Schroeder, T. F. Siew, V. Stender, K. Stahr, F. M. Thomas, M. Welp, M. Wortmann, X. Zhao, X. Chen, T. Jiang, J. Luo, H. Yimit, R. Yu, X. Zhang, and C. Zhao
Earth Syst. Dynam., 6, 83-107, doi:10.5194/esd-6-83-2015, 2015
▶ Abstract ▶ Final Revised Paper (PDF, 9360 KB) ▶ Discussion Paper (ESDD) ▶ Special Issue

Large-scale atmospheric forcing and topographic modification of precipitation rates over High 27 Feb 2015

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Earth System Dynamics

Volume 1
Issue 1
2009



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GEOSCIENCES
UNION



Copernicus Publications
The Innovative Open Access Publisher

5 years of ESD Reception

Tuesday, 14 April 2015

19:00, yellow level, Y9

Everyone is invited

Drinks and nibbles will be
available

www.earth-system-dynamics.net



European Geosciences Union

Division on
Climate: Past, Present & Future



Agenda 2015

1. EGU
2. CL Organisation
3. Awarding of OSP awards from EGU 2014
4. EGU and CL 2015 Statistics
5. Organization CL at GA 2015
6. Division medals
7. Mini Medal lecture by Jeremy Shakun (CL-Division Outstanding Young Scientist Award 2015)
8. Journals relevant to CL
 - CP Report [Thorsten Kiefer, 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



Early career scientists (from GA2016)

- A young scientist is less than 35 years old or someone who has received their highest degree (e.g., BSc, MSc, PhD) within the past seven years.
- Approximately 1/3 of EGU members are young scientists – it's important that your voice is heard.
- The YS website provides information for early career researchers at www.egu.eu/young-scientists/ including careers, financial support, events & resources.
- There are awards for young scientists at a division & assembly level.



Your YS representative

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

Julie Durcan



At the GA this year

- Meet the editors workshop, *Tue 14 Apr, 15.30 – 17.00, B7*
 - 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.
- Introduction to climate modelling, *Wed 15 Apr, 19.00 – 20.00, B12*
 - Dr Christoph Raible, will share his broad experience of climate modelling & its application to climates of the past, present & future.
- Young Scientist Lounge, *Red level*
 - A relaxed, informal space to meet other young scientists, enjoy a coffee, recharge your laptop & yourself, use the

See also for other sessions with a strong YS focus:

<https://www.egu.eu/young-scientists/at-the-assembly/sessions/>

Julie Durcan



- Outreach **Jennifer D. Stanford**





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Rules for EGU2015 (identical to 2014)

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%	

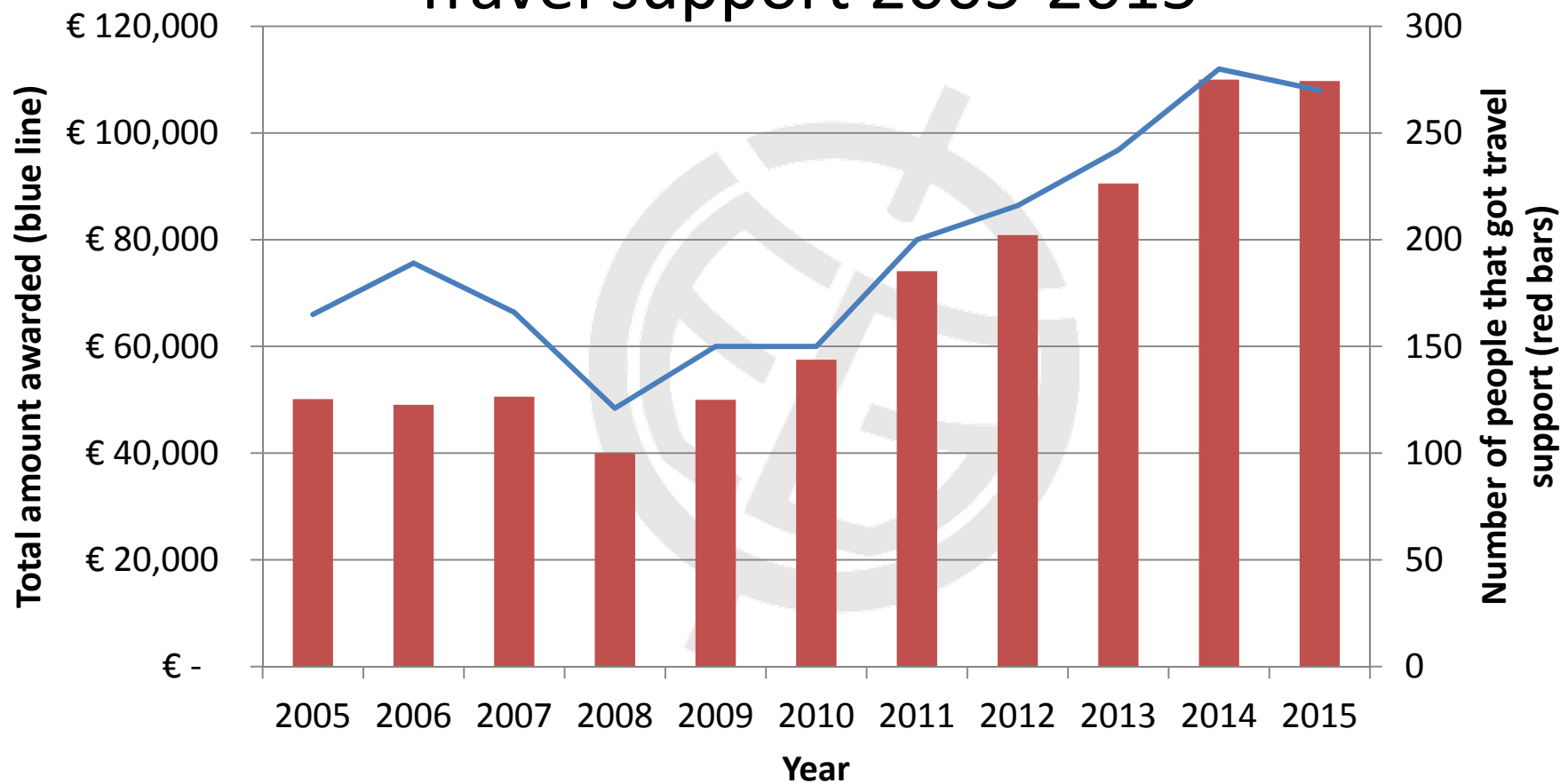


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Travel support 2005-2015





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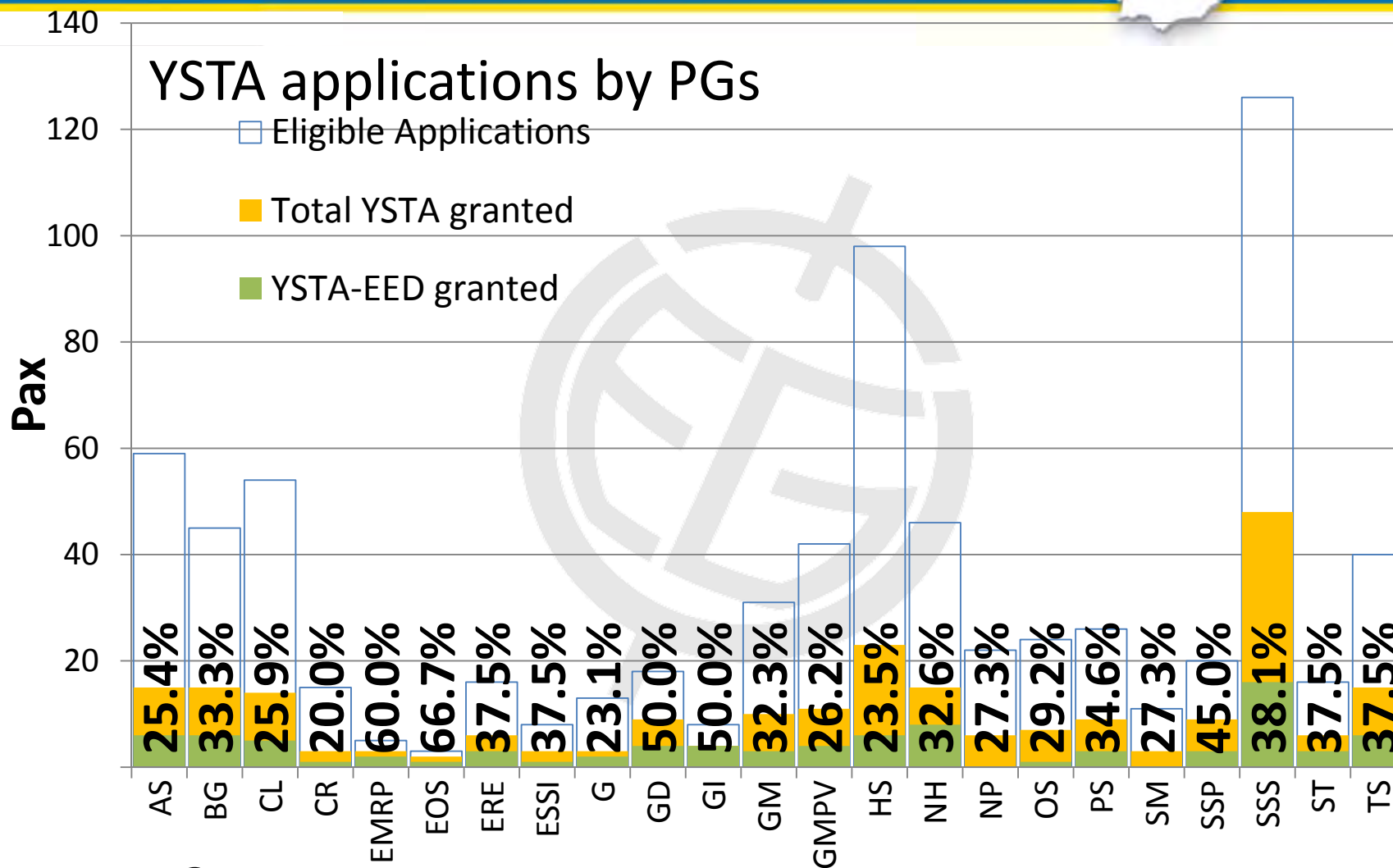


Category	Submitted applications	Eligible applications	Successful applications	Success Rate (of eligible applications)	%-age of selected applications
ESTA	87	56	31	55%	11%
YSTA-EED	184	176	88	50%	33%
YSTA-other	605	570	151	26%	56%
YSTA-ALL	789	746	239	32%	
ALL	876	802	270	34%	



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In CL 54, 14, 5



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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 Assembly

EGU Today

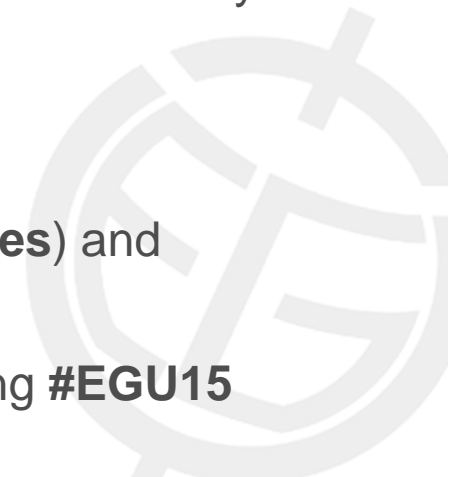
- EGU Today is a daily newsletter highlighting interesting workshops, lectures and GeoCinema screenings, amongst activities at the Assembly
- Paper copies will be distributed daily and are available to download at www.egu2015.eu/egu_today

Blogs

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

Social Media

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

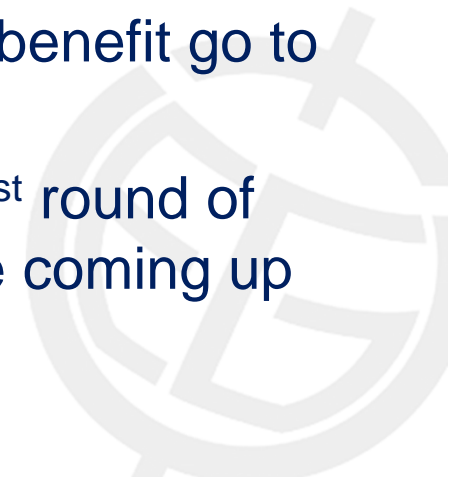




EGU Galileo conferences



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





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EGU 2016 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.

I will be at the EGU booth in the poster area
Thu, 16 Apr 10:00–11:30.



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Any other business?





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Important deadlines

- 1) June 15, 2015 Awards (open now)**
- 2) Session proposals (E-mail to cl@egu.eu or open call July to mid September)**

**Enjoy the 2015 meeting!
Have fun and see you at EGU2016
17-22 April 2016**

**Meet me at the EGU booth in the poster area
Thu, 16 Apr 10:00-11:30.**