



# GEODYNAMICS DIVISION MEETING 2016

## Agenda:

1. EGU News
2. Division Officers and Division Deputy President
3. Medals/Awards
  - Augustus Love Division Medal
  - Division Medal Committee
  - Division Young Scientist Award
  - Outstanding Student Poster Awards
  - Travel grants
4. EGU feedback
5. Scientific Programme for EGU-2016
6. EGU Conferences
7. EGU Publications
8. Any other business



## EGU News

**EGU President:** **Hans Thybo**  
**EGU President-Elect:** **Jonathan Bamber**

**Geodynamics Division President:**  
**Irina Artemieva**  
(until spring 2017)

New division president at next year EGU-GA



# Elections of a new division president

Nominations – September 2016

Voting - November 2016

Start - spring 2017



	Division Group	Division Officers
GD1	Geodynamics General Sessions	GD President
GD2	Crust, Lithosphere, and Asthenosphere: Observations and models	Irina Artemieva
GD3	Mantle Dynamics	Paul Tackley
GD4	Core Dynamics <b>NEW !</b>	Andy Biggin (Liverpool, UK)
GD5	Plates, Plate Tectonics, and Regional Geodynamics	Hans-Peter Bunge
GD6	Mantle Dynamics and Lithosphere Evolution	Paul Tackley
GD7	Experimental/Theoretical Studies on Earth Materials Relevant to Geodynamics	Shun Karato
GD8	Integrated Geophysical Observations and Modeling in Geodynamics	Irina Artemieva



# Division structure

## Proposal for Division Officers

### GD Division Officers

Paul Tackley

Deputy Division President

Andy Biggin

Hans-Peter Bunge

Shun Karato

To be approved by the Division Meeting



## The EGU Awards & Medals:

### At Union level:

- The Union Medals for senior scientists including the most prestigious awards made by the Union that are associated with an EGU Honorary Membership
- The Union Awards including the Arne Richter Outstanding Early Career Scientists Awards

### At Division level:

- The Division Outstanding Early Career Scientists Award (1)
- The Division (Augustus Love Medal for mid-career scientists (1).  
*Mid-Career = non-retired*

In relation with its General Assemblies, EGU presents the Outstanding Student Poster (OSP) Award to further improve the overall quality of poster presentations and, most importantly, to foster the excitement of younger colleagues in presenting their work in poster form.



Geodynamics Division  
Augustus Love Medal  
for mid-career scientists



**The Augustus Love Medal  
is awarded to a distinguished scientist  
in the field of geodynamics,  
comprising mantle and core convection,  
tectonophysics,  
post-glacial rebound and  
earth rotation.**



*The medal has been exclusively designed for the EGU by József Kótai.*



# The EGU Augustus Love Medal previous recipients



2005: Geoff Davies (ANU, Australia)

2006: Jerry X. Mitrovica (Harvard, USA)

2007 : David Gubbins (Leeds, U.K.)

2008: Richard J. O'Connell (Harvard, USA)

2009: Ulrich R. Christensen (Max Planck Inst., Germany)

2010: Philip England (Oxford, U.K.)

2011: Bradford Hager (MIT, USA)

2012: Yanick Ricard (ENS-Lyon, France)

2013: Michael Gurnis (CalTech, USA)

2014: Shun-Ichiro Karato (Yale, USA)

2015: Gregory Houseman (Leeds, U.K.)

The 2016 Augustus Love Medal  
is awarded to

**Jason Phipps Morgan**

for his wide-ranging  
contributions to  
geodynamics generally,  
with notable contributions to  
furthering our understanding  
of mid-ocean ridges,  
subduction zones and plumes  
and their interactions with  
asthenosphere.





## EGU Medals: Please nominate your colleagues !!!

- Any person is eligible to receive one EGU Medal.
- Any EGU member can submit nomination for a colleague for an EGU medal and awards.
- Nominations for all the medals and awards are to be sent by e-mail by 15 June of each year (absolute deadline).
- Candidates for the Union and Division medals are evaluated by the respective Medal Committees and finally approved by the Council.
- Medal committees consist of previous recipients and past division president

All details are at EGU web-site



## GD Medal Committee

### Composition of the Division Medal committees:

- **Chair:** Term is one year and can be renewed 3 times.
- **Minimum three additional members**, preferentially past medalists. Term is one year and can be renewed three times. At least one member of the committee is replaced every year. The role of the past medalists is, among other things, to maintain the quality of the medal by judging the candidates' achievements.
- Division president as ex-officio member.
- Chair of the Union Awards Committee as ex-officio member.

Nominations for medal committees are discussed at business meeting and are appointed by the Council.



# GD Medal Committee

## 2016-proposal

Committee Chair	Committee Members without Ex-Officio Members	Term #	Medal (year)
<b>Huw Davies</b>	Jason Phipps Morgan	1	2016
(past GD	Gregory Houseman	2	2015
president)	Shun Karato	3	2014
	Michael Gurnis	4	2013

Nominations for medal committees are discussed at the GD division meeting and are appointed by the Council.



# The Division Outstanding Young Scientist Award

Young scientist:  
<35 y. o.,  
<7 y. from PhD

**Change of name: now “Early Career Scientist”**



**The Division Outstanding Early Career Scientist Award (OYSA)** recognizes scientific achievements in the field covered by the related Division, made by a young scientist.

**Selection procedure:**

by votes of the Division Officers

The “winner” of the Division OYSA competes for the Arne Richter EGU OYSA with other divisions OYSA winners

# EGU Geodynamics Division Outstanding Young Scientist Award

## Previous recipients:

2011: Boris Kaus  
(Arne Richter OYSA)

2012: Richard Foa Katz

2013: Juan Carlos Afonso

2014: Rhodri Davies

2015: Manuele Faccenda  
(Arne Richter OYSA)

## 2016 medalist



**Grace Shephard  
(Arne Richter OYSA)**



# EGU Geodynamics Division Outstanding Young Scientist Award

The 2016 Arne Richter Award for  
Outstanding Young Scientists is awarded to

**Grace E. Shephard**

for notable contributions to  
understanding links between plate tectonic  
processes and mantle dynamics  
through integration of plate reconstructions,  
seismic images of mantle structure,  
mantle geochemistry and  
geodynamic modelling of mantle convection.





## The Division Outstanding Young Scientist Award

Nominations for all the medals and awards are to be sent by e-mail by 15 June of each year (absolute deadline).

Please nominate your young colleagues !!!

Gender statistics:

30% of EGU are females

10% of GD medallists are females



# The Division Outstanding Student Poster \ PICO



## Outstanding Student Poster (OSP) Award

Eligible for the **OSP Award** are students that:

- are first author and personally present the poster at the conference;
- satisfy one of the following criteria:
  - are a current BSc, MSc, or PhD student;
  - are a recent undergraduate or postgraduate student (conferral of degree after 1 January of the year preceding the conference) who are presenting her/his thesis work.



# Outstanding Student Poster (OSP) Award

<b>Scientific content</b>	Correctness of methods and information
	Significance of the work
	Originality and creativity of the approach
	Conclusions supported by data and analysis
	Authors knowledge of the subject matter and comprehension of prior research in the field
<b>Presentation technique</b>	Organization and logical structure (e.g., clearly stated questions, results and conclusions)
	Visual clarity (clarity of figures, appropriate font sizes, effective use of space, headings, ...)
	Aesthetic appeal (layout, use of color, density of information, neatness, ...)
	Good writing (easily readable, spelling, grammar)
	Ability to answer questions



# Outstanding Student Poster Awards EGU-2015 contest

**Adam Holt**

*“Overriding plate thickness  
control of subducting slab  
curvature”*

**Maurits Metman**

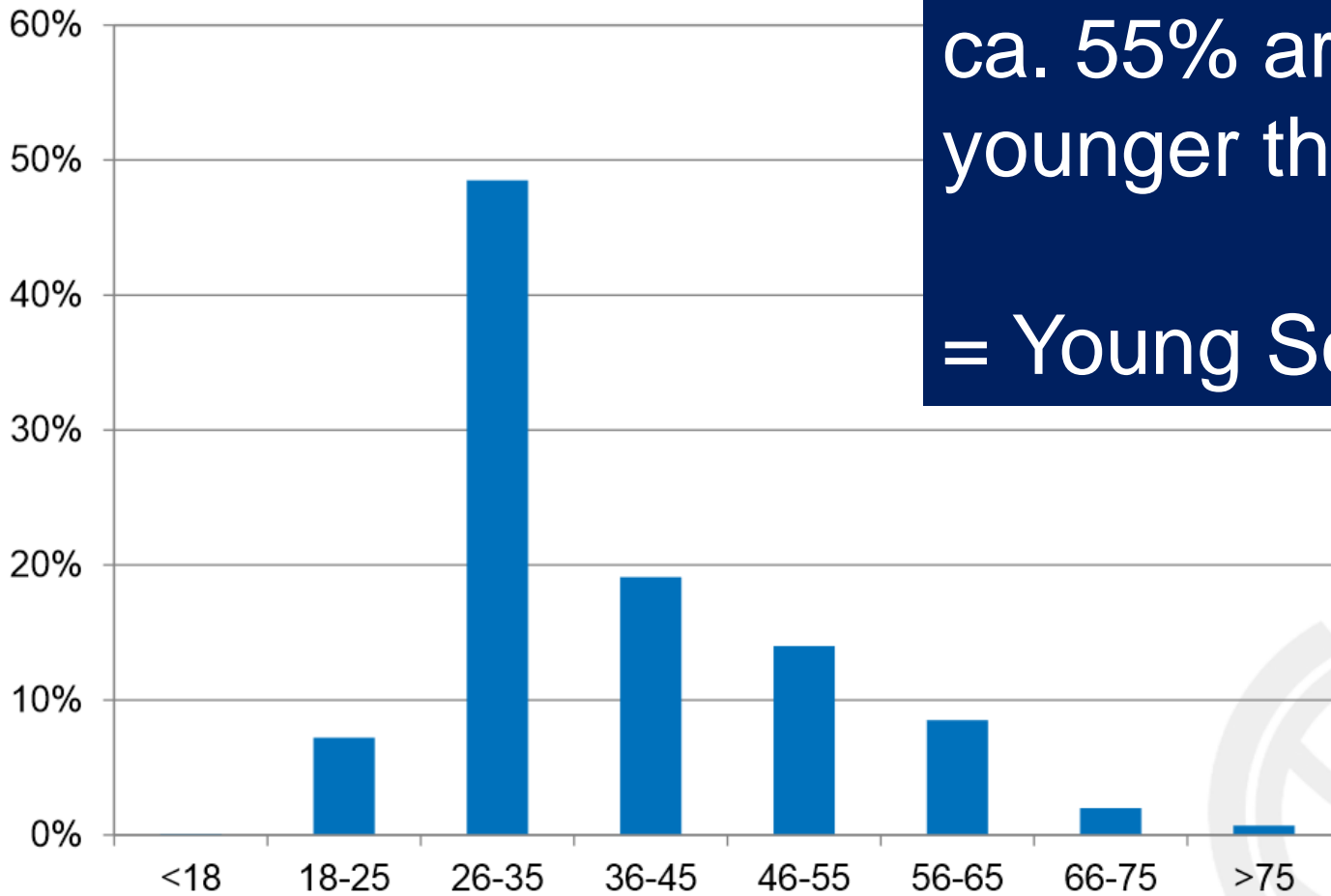
*“The sensitivity of  
geomagnetic reversal  
frequency to core-mantle  
boundary heat flux magnitude  
and heterogeneity”*

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## Survey participant age

ca. 55% are  
younger than 35  
= Young Scientists





OSP coordinators (outgoing):

**Maxim Ballmer** ([ballmer@hawaii.edu](mailto:ballmer@hawaii.edu))

**Ana-Catalina [Ina] Plesa** ([Ana.Plesa@dlr.de](mailto:Ana.Plesa@dlr.de))

**Students:**

Please don't forget to register next year

**Seniors:**

please volunteer to be OSP judges !!!

**Only 25 OSP registered for EGU-2015**

Ca. 50 OSP registered for EGU-2016





# New GD Early Career Scientist representative

**Adina Pusok**  
**(Uni. Mainz, Germany)**

Each of the division young scientist representatives gather feedback from young scientists in their fields.

The Union-level representative gathers information from each of the division reps and takes it to the EGU's Programme Committee and to the EGU Council.



# EGU Early Career Scientist representatives at Union level

## Meeting and networking



Lena Noack,  
from Planetary Sciences

- Young Scientists (YS) Meeting Corner
- YS Lounge
- YS Representative Meeting





# EGU Travel Awards



# EGU Travel Awards

## Two types of awards:

YSTA – young scientist TA

ESTA – established scientist TA

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"> <li>• Registration</li> <li>• APC</li> <li>• Maximum of €300 travel expenses</li> </ul>
		Other countries: 50-60%	
Established Scientist's Travel Award (ESTA)	Established scientists (low and lower middle income countries)	10-20%	



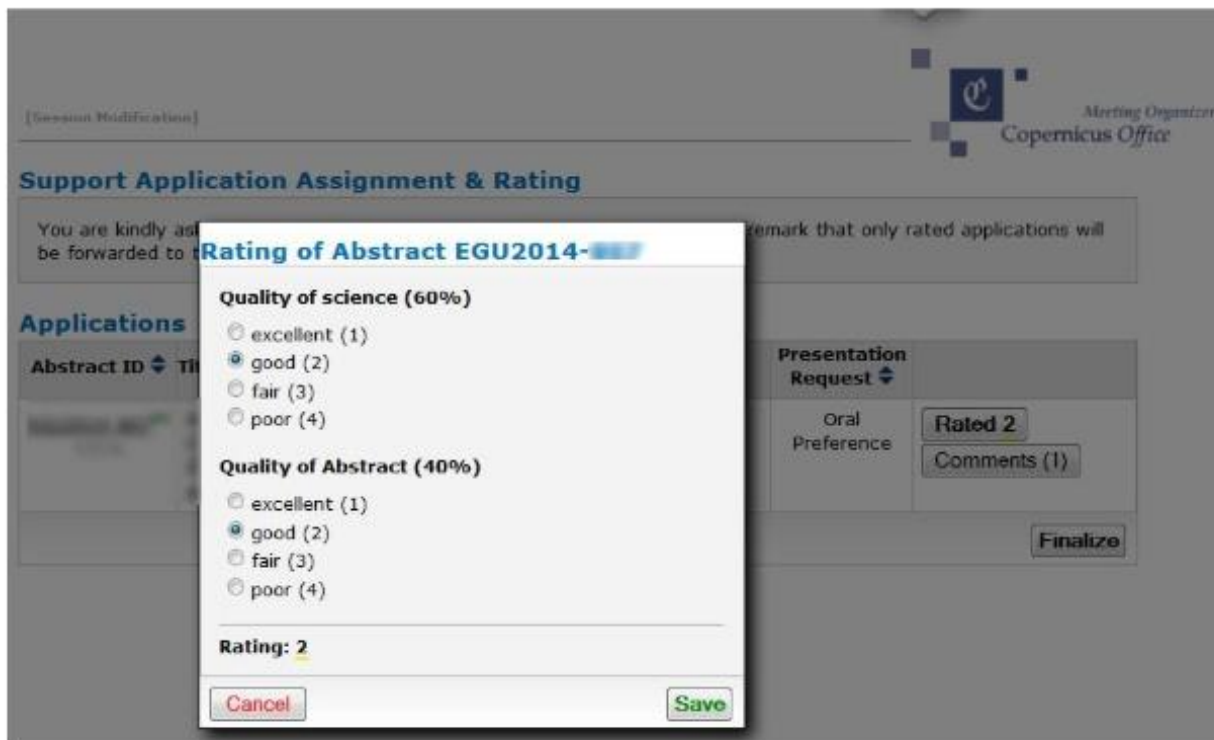
# EGU Travel Awards

## Selection procedure:

step 1. ranking by conveners;

step 2, ordering by Division President;

step 3, ranking by the EGU-wide travel awards committee



The screenshot shows a web interface for rating applications. A modal window titled "Rating of Abstract EGU2014-..." is open, displaying two rating sections:

- Quality of science (60%)**
  - excellent (1)
  - good (2)
  - fair (3)
  - poor (4)
- Quality of Abstract (40%)**
  - excellent (1)
  - good (2)
  - fair (3)
  - poor (4)

Below the ratings, it shows "Rating: 2". At the bottom of the modal are "Cancel" and "Save" buttons. In the background, the main interface includes the Copernicus Office logo, a "Support Application Assignment & Rating" section, and a "Presentation Request" section with a "Rated 2" button and a "Comments (1)" button. A "Finalize" button is also visible.



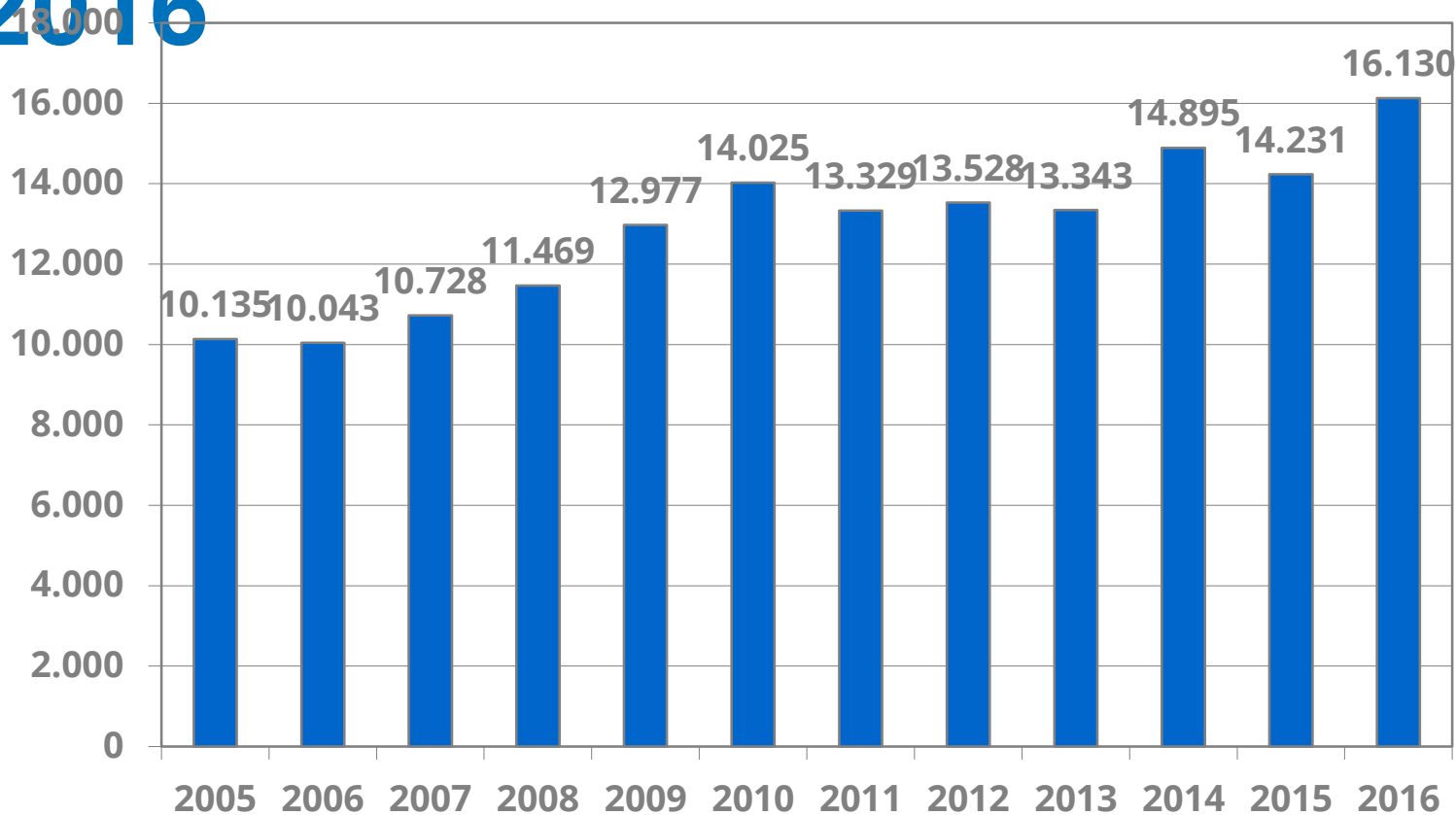
## EGU General Assembly 2016 facts

- 16,130 papers in programme | +13.34%
- (4,863 orals | 10,320 posters | 947 PICOs |
- 619 scientific sessions | 321 side events\*
- 10,988 pre-registrations | +23.68%

Total number of presented abstracts at EGU-2015:  
14,231



# Papers in programme 2005– 2016





**This year GA theme “Active planet”**

**Do you want to have a theme next GA ?**

**Suggestions ..... ???**





PLEASE SUBMIT YOUR PROPOSALS FOR  
SESSIONS!

PLEASE TALK TO EACH OTHER – TO JOIN  
FORCES ON CLOSE TOPICS

**PICOs as future “standard”**



## EGU-2016 feedback

What can be improved?

What were the problems?

- Sessions?
- Rooms?
- Organization?
- Information?
- Food?



## Publications

The EGU, through Copernicus Publications, publishes 16 peer-reviewed open access journals covering various topics of the Earth, planetary and space sciences.

**Solid Earth – EGU journal in geosciences,**

**IF=1.371 (2014)**

**IF=2.155 (2015)**

Two-stage publications with public peer-review and interactive public discussions.

The discussion and peer-review of submitted papers are handled in the open access discussion forums (e.g., Solid Earth Discussions).

Final papers, upon acceptance, appear in the corresponding peer-review journals (e.g. Solid Earth).



# 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 organizational support allowing organizing committees to focus on the scientific aspects.
- Aside from partly sponsoring the event, EGU is giving a deficit guarantee.
- 2 stage application process on-line.





## Topical meetings

EGU runs

- **conference series**,
  - Alexander von Humboldt Conferences
  - International Workshops on Mantle and Lithosphere Dynamics
- **topical meetings**,
- **workshops**, and
- **training schools**,

for the benefit of all scientists and with special attention to the needs of young scientists.

**GD Meetings Calendar**

<http://www.egu.eu/gd/meetings/>