

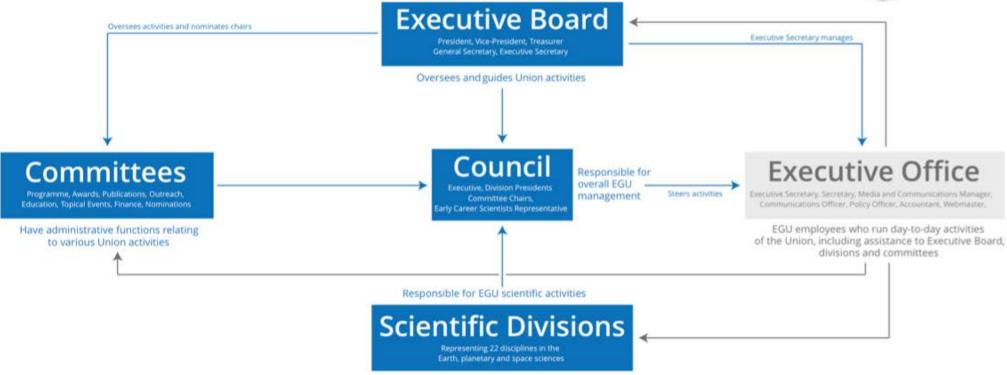
GEODYNAMICS DIVISION MEETING 2018

Agenda:

- Meeting News
- 2. Early Career Scientists & GD Blog
- 3. GD Division Officers and Division Deputy President
- 4. Medals/Awards
 - Augustus Love Division Medal
 - Division Medal Committee
 - Division Early Career Scientist Award
 - Outstanding Student Poster Awards
 - Travel grants
- 5. EGU Publications
- 6. EGU Conferences
- 7. EGU feedback
- 8. Future Growth, Rules and Scientific Programme EGU-2019
- 9. Any other business









EGU Members

Bring new ideas and feedback to EGU Vote in EGU elections and stand for positions in Council



Vienna | Austria | 8-13 April 2018

EGU.eu



EGU General Assembly 2018 facts

As of 5 April (12:45), the Assembly 2018 provides:

- 17,323 papers in programme | -0.44% (2017)
- 4,776 orals | 11,128 posters | 1,419 PICOs | ratio 28 / 64 / 8
- 12,733 registrations in advance | +12.37% (2017)
- 666 unique scientific sessions | 68 short courses | 294 side events*
- 433 out of 666 scientific sessions are co-organized (65%)
- The 433 co-organized include 20 IE sessions with 459 presentations
- Original sessions: 1,355; 1,028 still active, 327 withdrawn
- Withdrawn: 309 scientific sessions, 7 SC, and 11 side events

^{*}Side events include the programme groups ML, PCN, FAM, TSM, SEV, PC, PPAA



- Measures to reduce environmental impact of the General Assembly (e.g. CO2 emission offset, water bottles)
- Poet-in-residence
- Cartoonist-in-residence

https://blogs.egu.eu/geolog/

- Public lecture, Th 19:00, Natural History Museum
- Lecture rooms staffed at lunch breaks
- OSPP 'volunteer to judge'
- EGU2018-6621 | OSPP: volunteer to judge

Modelling the Wilson Cycle: How to NOT initiate subduction at the passive margin Stephane Beaussier, Taras Gerya, and Jean-Pierre Burg

- 70 short courses.
- Mentoring programme matched 153 mentees with 97 mentors (ca 70 mentees unmatched – need more mentors!)

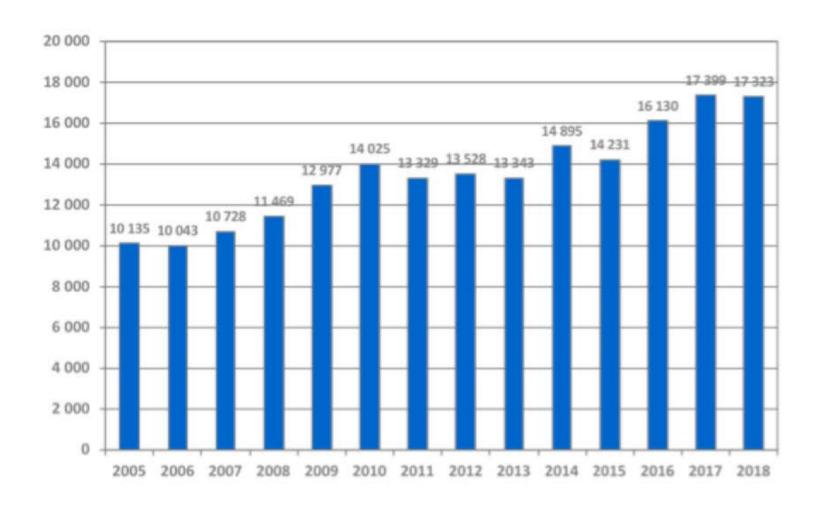


Vienna | Austria | 8-13 April 2018

EGU.eu



Papers in programme 2005–2018



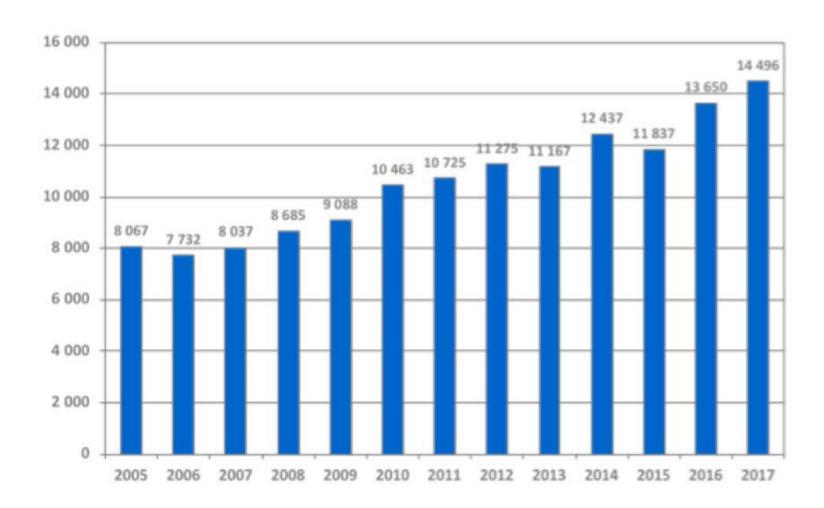


Vienna | Austria | 8-13 April 2018

EGU.eu



Participants at EGU General Assemblies 2005–2017



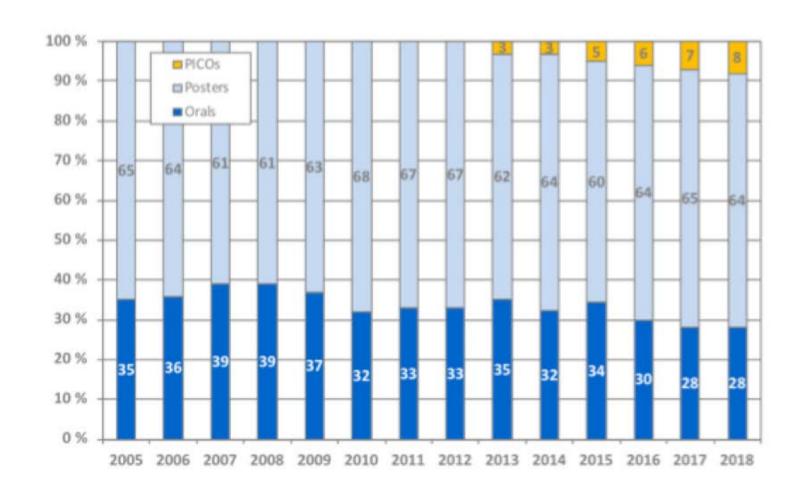


Vienna | Austria | 8-13 April 2018

EGU.eu



Presentation ratio 2005–2018





Programme group statistics

Active scheduled	1,447		
Granted supports	None: 1,433 (99%)		(99%)
	ESTS:	1	(0%)
	ECSTS:	13	(1%)
Presentations	Orals:	404	(28%)
	Posters:	887	(61%)
	PICO:	156	(11%)
Author identification specifics	ECS: 74	15 (51	%)

Meeting statistics

Active scheduled	17,165		
Granted	None:	16,884	(98%)
supports	ESTS:	16	(0%)
	ECSTS:	265	(2%)
Presentations	Orals:	4,767	(28%)
	PICO:	1,402	(8%)
	Posters:	10,996	(64%)
Author identification specifics	ECS: 8,	886 (52	%)

Geodynamics led: 481 abstracts, 19 sessions





GD Early Career Scientist (ECS) representative



Adina Pusok (UC San Diego) 2016-2018 Plans to retire...

Role: Each of the division ECS representatives encourage and coordinate ECS relevant events within division and gather feedback from ECS in their fields.

Contact: ecs-gd@egu.eu





GD Early Career Scientist (ECS) representative



Nicholas Schliffke (U. Durham) 2018-2020



Adina Pusok (UC San Diego) 2018-2019 (co-rep)

Role: Each of the division ECS representatives encourage and coordinate ECS relevant events within division and gather feedback from ECS in their fields.

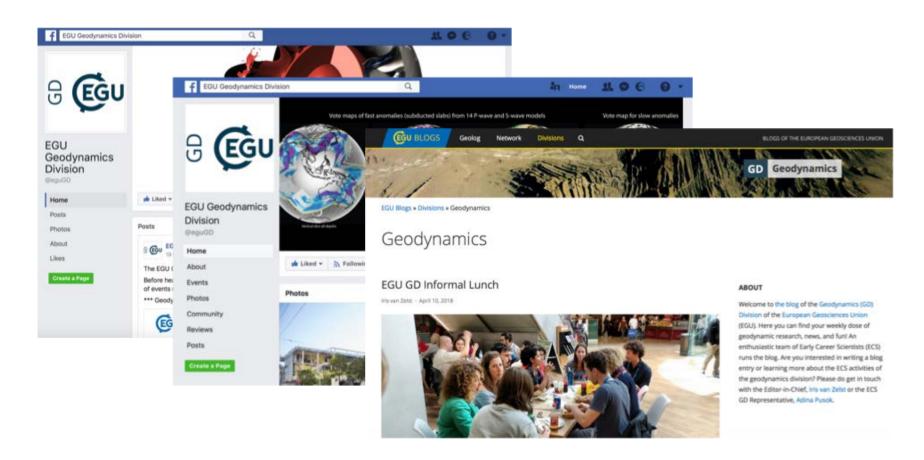
Contact: ecs-gd@egu.eu





GD ECS Activities over the past year

1. Social media: Facebook page, Division blog (Coordinator Iris van Zelst, ecs-gd@egu.edu)



Build Geodynamics network and outreach





GD ECS Activities over the past year

2. Social events: NetherMod2017, AGU FM 2017, EGU GA 2018







GD ECS Activities over the past year

3. Short course at EGU2018: Geodynamics 101 - How to use and interpret numerical models of the solid Earth (Wed) ~70 participants



ECS events thanks to:

Fabio Crameri
Juliane Dannberg
Anne Glerum
Diogo Lourenco
Adina Pusok
Antoine Rozel
Nicholas Schliffke
Iris van Zelst
+everyone attending!

Many ideas for next year EGU! Get in touch with us if you want to get involved ecs-gd@egu.eu!





EGU ECS representative at Union level



Stephanie Zihms, from EMRP

Meeting and networking

- ECS Meeting Corner and Lounge
- ECS Great Debates and Short Courses
- ECS Forum Thu, 12.15-13.15
- ECS Representative Meeting Fri, 12.15-13.15

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.



https://blogs.egu.eu/divisions/gd/

Weekly blog posts!

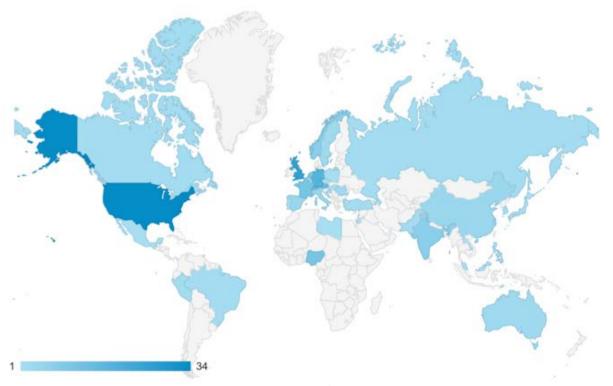
Regular features:

- Geodynamics 101
- Remarkable Regions
- Wit & Wisdom
- ECS events
- And more ...



https://blogs.egu.eu/divisions/gd/

- >100 unique views per blog post
- many returning visitors
- worldwide readership



Number of views per country in the last 7 da

https://blogs.egu.eu/divisions/gd/

Editors 2017 - 2018

- Iris van Zelst
- Luca Dal Zilio
- Anne Glerum
- Grace Shephard

Guest authors 2017 - 2018

- Alice Adenis
- Manar Alsaif
- Suzanne Atkins
- Marie Bocher
- Clint Conrad
- Fabio Crameri
- Juliane Dannberg
- Maximilian Döhmann
- Richard Ghail
- Saskia Goes
- Kirstie Haynie
- Charitra Jain
- Agí Királi

- Kristina Kislyakova
- Maurits Metman
- Luke Mondy
- Elvira Mulyukova
- Jessica Munch
- Lena Noack
- Vojtech Patočka
- Adina Pusok
- Cedric Thieulot
- Anthony Osei Tutu
- Sabin Zahirovic
- Yue Zhao

https://blogs.egu.eu/divisions/gd/

We are looking for:

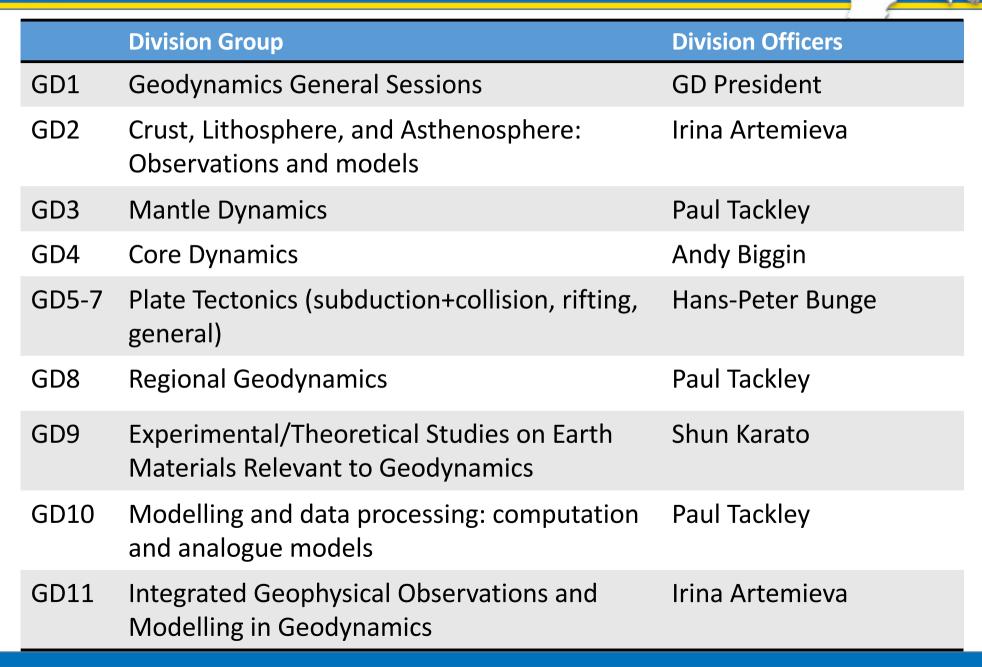
- Guest authors (always!)
- Blog editors

Interested? Contact:

- Iris van Zelst (Editor-in-Chief)
 iris.vanzelst@erdw.ethz.ch
- Adina Pusok (ECS GD Rep)
 ecs-gd@egu.eu











Division structure

Proposal for Division Officers

GD Division Officers

Deputy President: Jeroen van Hunen

Irina Artemieva

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. Arthur Holmes Medal (J-P. Brun, T. Torsvik, C. Laj, K. Burke, S. Cloetingh, V. Courtillot, ...)
- The Union <u>Arne Richter Outstanding Early Career Scientists Awards</u>

At Division level:

- The Division <u>Outstanding Early Career Scientists Award</u> (1)
- The <u>Division Augustus Love Medal</u> for a distinguished scientist (1).

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





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.

EGU Europ The EGU Augustus Love Medal

previous recipients



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.)

2016: Jason Phipps Morgan (Royal Holloway, U.K.)

2017: Barry Parsons













The 2018 Augustus Love Medal is awarded to Edgar Marc Parmentier



for outstanding research in the fundamental geodynamical processes of sea-floor spreading, melt extraction and crustal formation, and the application of geodynamical principles to flow in the mantle.







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

All details are on 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

2018 proposal

Committee Chair	Committee Members without Ex-Officio Members	Term #	Medal (year)
G. Houseman	E. Marc Parmentier	1	2018
(as in 2017)	Barry Parsons	2	2017
	Jason Phipps Morgan	3	2016
	Gregory Houseman	4	2015

To be approved by the Division Meeting

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





The Division Outstanding Early Career Scientist Award

Early career scientist:

<7 years from highest degree (normally PhD) (no age limitation)





The Division Outstanding Early Career Scientist Award (OECSA) recognizes scientific achievements in the field covered by the related Division, made by an early career scientist.

Selection procedure:

by votes of the Division Officers

The "winner" of the Division OECSA competes for the Arne Richter EGU OECSA with other divisions OECSA winners



EGU Geodynamics Division Outstanding Early Career 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: Grace Shephard (Arne Richter OYSA)

2017: Nicolas Flament

2018 medalist



Thibault Duretz



EGU Geodynamics Division Outstanding Early Career Scientist Award

The 2018 GD Division Outstanding Young Scientist Award is awarded to

Thibault Duretz

For his fundamental contributions to understanding slab detachment, shear zones, passive margin formation, obduction and development of new numerical algorithms.



Medal lecture: yesterday





The Division Outstanding Early Career 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

Only 1 female GD OECSA awardee so far





The Division Outstanding Student Poster \ PICO Award



Outstanding Student Poster/PICO (OSPP) Award

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

- are <u>first author and personally present</u> the poster at the conference;
- satisfy one of the following criteria:
 - are a <u>current BSc, MSc, or PhD student;</u>
 - 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

	Correctness of methods and information	
	Significance of the work	
Scientific content	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	
	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,)	
Presentation technique	Aesthetic appeal (layout, use of color, density of information, neatness,)	
	Good writing (easily readable, spelling, grammar)	
	Ability to answer questions	

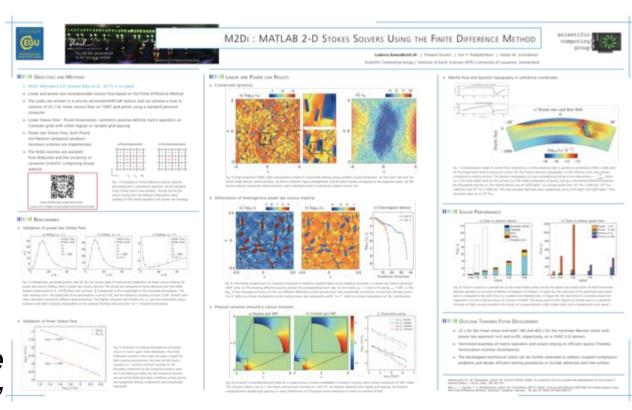


Outstanding Student Poster/PICO Awards EGU-2017 contest

Ludovic Räss



"M2Di: MATLAB 2D Stokes solvers using the finite difference method"







OSPP coordinator (2nd year):

Jean-Arthur Olive (jaolive@ldeo.columbia.edu)

Students:

Please don't forget to register next year

Seniors:

please volunteer to be OSPP judges !!!

Only 25 OSP registered for EGU-2015 Ca. 50 OSPP registered for EGU-2016 46 OSPP registered for EGU-2017

57 OSPP registered for EGU-2018





Roland Schlich Travel Support





EGU Roland Schlich Travel Support

Two types of awards:

ECSTS – early career scientist TS

ESTS – established scientist TS

Scheme	Target audience	Approximate Funding allocation	Funding
Young Scientist's	Young scientists (world wide with earmarked funds for European economically disadvantaged (EED) countries)	EED: 30-35%	 Registration APC Maximum of €300 travel expenses
Travel Award (YSTA)		Other countries: 50-60%	
Established Scientist's Travel Award (ESTA)	Established scientists (low and lower middle income countries)	10-20%	





Publications

The EGU, through Copernicus Publications, publishes 17 peer-reviewed open access journals covering various topics of the Earth, planetary and space sciences.

Solid Earth – EGU journal in geosciences, IF=3.495 (2017)

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 peerreview 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 co-sponsors

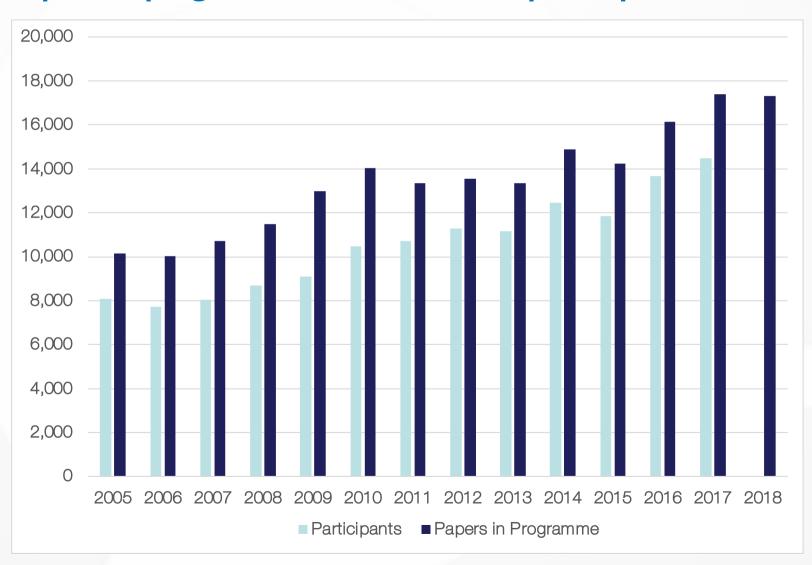
- conference series,
 - Alexander von Humboldt Conferences
 - International Workshops on Mantle and Lithosphere Dynamics
- training schools,

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/

Papers in programme 2005–2018 and participants 2005-2017





The need for a change

- We may reach maximum poster capacity in ~2 years
- Oral sessions can reach 80% median room fill in ~2 years, meaning 50% of the rooms will be full to overfull
- There is no possibility for new rooms or extra space in the ACV
- EGU has signed a contract with the ACV until 2024
- 60% 65% (2013-2018) of abstracts are posters, which are presented in 1.5 hours only

→ We need to act



Ideas that have been suggested

- 6 days instead of 5
- Only 1 abstract per person (2 if invited)
- Limit total #abstracts (requires review/rejection of abstracts)
- Increase oral time from 6 hours to 8 hours (-> overlap with posters)
- Different posters in morning and afternoon
- Shorter talks (12 minutes)



Points for consideration

- Participants need time for networking and for meeting colleagues
- Take into consideration both the number of presentations and the number of participants
- A sixth day:
- likely costs order 300 k€ (very rough estimate)
- Saturday or Sunday will not be popular
- Participants voted against in earlier GA surveys
- Coffee breaks of 30 minutes are also for accommodating laterunning sessions, meeting colleagues, and uploading presentations
- Lunch breaks now 1hr 30 minutes. These slots have Union medal lectures, division meetings etc. 1 hr 20 minutes might work



Current model (6h orals)

TB1		Orals, PICO
Break		
TB2		Orals, PICO
Lunch		
TB3		Orals, PICO
Break		
TB4		Orals, PICO
Break		
TB5		Posters, drinks
TB6	Medal lect, TM	

- 4800 orals
- 1800 PICO
- 12500 posters (full day)
- Poster capacity full ~2020
- Room fill issues 2020/2021

Alternative model (8h orals)

TB1	Orals, PICO, Posters
Break	
TB2	Orals, PICO, Posters
Lunch	
TB3	Orals, PICO, Posters
Break	
TB4	Orals, PICO, Posters
TB5	Exhibition, drinks
TB6	Medal lectures, TM

- 6000-6400 orals
- 1800 PICO
- 12500 posters (full day).
- Poster capacity full by ~2023.
- Double poster capacity to 25000 by half-day showing time
- No room fill issues next 10 years

EGU European Geosciences Union

New rules for GA 2019

- No solicited presentations by conveners: "Authors (first and co-authors) should not have a solicited presentation in a session they (co-)convene. (Co)-conveners should not be presenting author, and are discouraged from being co-author, on oral presentations in a session they convene."
- 1 solicited presentation per oral block (2 solicited possible to accommodate session merges) (already in 2018)
- 1 abstract rule: "Authors are allowed as first author to submit either one regular abstract plus one abstract solicited by a convener, or two solicited abstracts."
- Number of conveners on a session: At session submission minimum 2 maximum 5
- Number of convenerships as a recommendation: 1 as main convener, maximum 3 (co-)convenerships total
- Length of Outstanding Early Career Scientist Award Lecture: 15 minutes or 30 minutes?



GA 2019 timeline

01 Jun – 21 Jun 18 Call-for-skeleton. Only sub-programme

structure (headers), no sessions

25 Jun – 13 Sep 18 Public call-for-sessions

Includes GDB and US

17 Sep – 12 Oct 18 Session programme finalization

11 Oct 18 PC Meeting Ismanning

15 Oct 18 – 10 Jan Abstract submission

19



European GA 2019 timeline

01 Jun – 21 Jun 18 Call-for-skeleton. Only sub-programme

structure (headers), no sessions

25 Jun – 13 Sep 18 Public call-for-sessions

Includes GDB and US

17 Sep – 12 Oct 18 Session programme finalization

11 Oct 18 PC Meeting Ismanning

15 Oct 18 – 10 Jan Abstract submission

19





PLEASE SUBMIT YOUR PROPOSALS FOR EGU-2019 SESSIONS!

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





EGU-2018 feedback

What can be improved?

What were the problems?

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





Any other business?