

# Ocean Sciences Division Meeting 2018

Karen Heywood

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EGU General Assembly | 12<sup>th</sup> April, 2018



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Meetings | Publications | Outreach | [www.egu.eu](http://www.egu.eu)

# Ocean Sciences Division Meeting 2018

## Agenda

- 1. Introduction – EGU and OS Division**
2. OS journal
3. Outstanding Student Poster and PICO competition
4. Outstanding Early Career Scientist Award
5. Fridtjof Nansen Medal
6. EGU General Assembly : past, present and future
7. Other items

**EGU is a learned society dedicated to the pursuit of excellence in the geosciences and the planetary and space sciences for the benefit of humanity.**

- Scientific Meetings
  - General Assembly
  - Galileo conferences
  - *New Mary Anning conference includes OS*
- 17 Scientific Publications
  - Peer-reviewed, open access
  - Ocean Science *ocean-science.net*
- Outreach and Education
  - Training schools (*call opens 1<sup>st</sup> June; 13 in 2018*)
  - Blogs, newsletters, workshops for teachers....

**Join at <https://www.egu.eu/membership/apply/>**

## Mary Anning Conference

**Scope:** Biogeochemical Processes  
in the Earth System

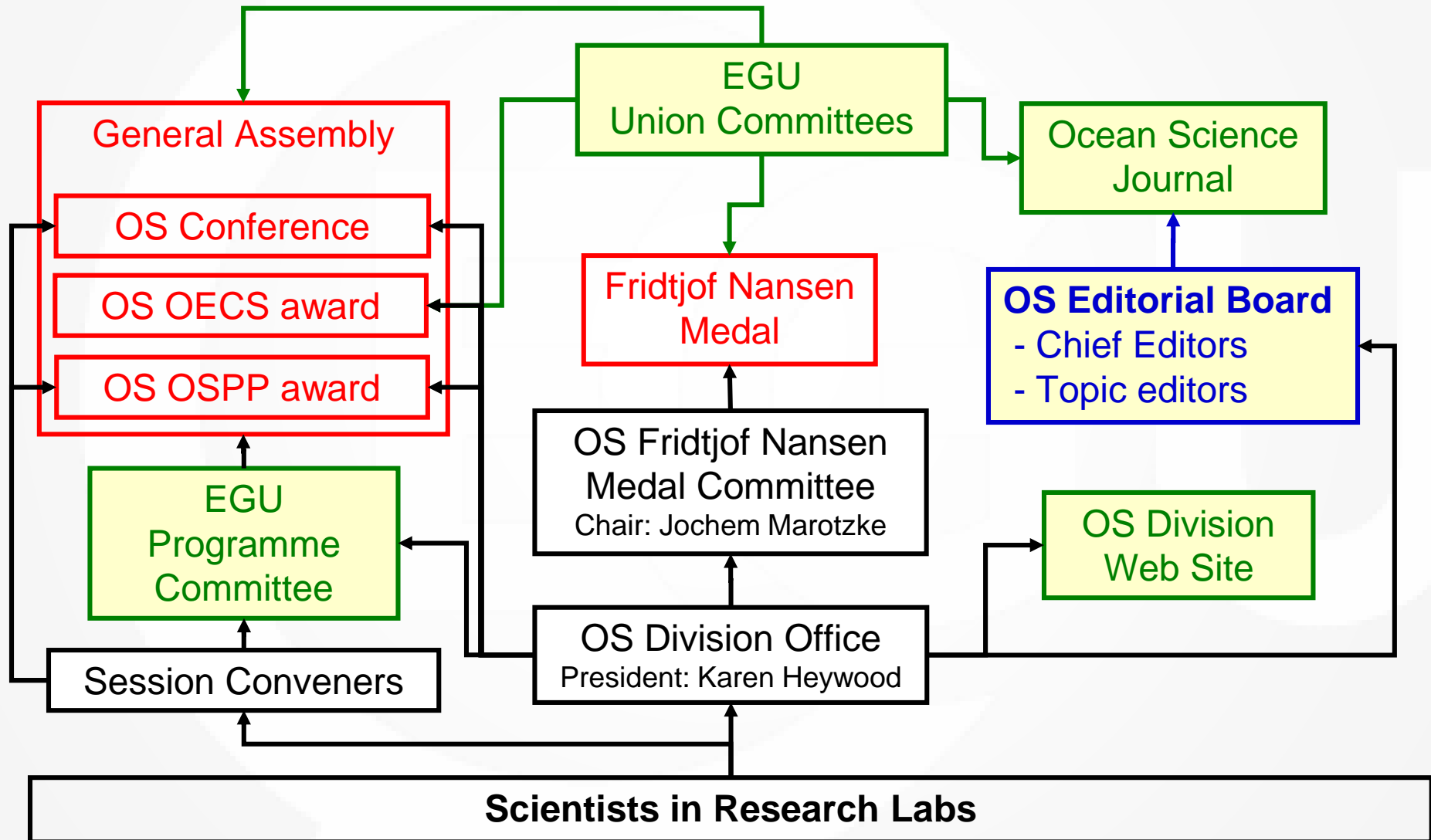
**When:** to be held every two years

**Call:** for proposals opens 1 June

**Aim:** to promote novel and innovative research  
related to biogeochemical cycles in the  
Earth system and bring together  
experienced and early career scientists  
for an interdisciplinary discussion.



## EGU OS Structure



## Ocean Science Division

- Join the OS mailing list at [www.egu.eu/os](http://www.egu.eu/os) to receive updates
- Use the EGU/OS web site to advertise Conferences, Summer Schools: [www.egu.eu/os/meetings](http://www.egu.eu/os/meetings) or jobs [www.egu.eu/jobs](http://www.egu.eu/jobs)
- Follow OS on twitter @EGU\_Ocean
- Facebook EGUosDivision
- Get involved!
- Send feedback or ideas to [os@egu.eu](mailto:os@egu.eu)



# Farewell and thank you to our outgoing science officers!



**OS1 - Boris DeWitte**

LEGOS/IRD, France



**OS2 – Johan van der Molen** OS3 – Daniela Turk  
*continuing Deputy President*

NIOZ, Netherlands



Dalhousie, Canada

## OS Division organisation

### Current Subdivisions:

**OS1 Deep Seas & Climate**

**OS2 Shelf Seas and Coastal  
Oceanography**

**OS3 Biogeochemical  
Oceanography**

**OS4 Operational  
Oceanography and  
Instruments**

**OS5 Theory and Dynamical  
Processes**

### Proposed Subdivisions:

**OS1 Ocean General  
Circulation and Climate**

**OS2 Coastal Oceans, Semi-  
enclosed and Marginal Seas**

**OS3 Ocean Biogeochemistry  
and Biology**

**OS4 Global processes and  
oceanographic techniques**

**Session and Abstract  
structure will be the  
same**



## Continuing:



**OS4 – Aida Alvera Azcarate**

University of Liège, Belgium



**President (to 2021)– Karen Heywood**

UEA, UK

**Re-elected for another 2 years thank you!  
Elections for President-Elect in 2019**

# Proposed new science officers for your approval please



**OS1 – Marcus Dengler**

Geomar, Germany



**OS2 – Sandro Carniel**

CNR-ISMAR, Italy



**OS3 – Bill Austin**

St Andrews, UK

**Thank you to Maribel García-Ibáñez!**  
**Welcome to Gwyn Evans!**



Bergen, Norway



Southampton, UK

# Early Career Scientists

**We need you to get involved in OS!**

- **Volunteer as a convenor or co-convenor**
- **Organise events (scientific, career-development or social) or short courses**
- **Suggest ways that we can help you**
- **Join our OS ECS committee!**
- **Contact Gwyn at [dafydd.evans@noc.soton.ac.uk](mailto:dafydd.evans@noc.soton.ac.uk) or [ecs-os@egu.eu](mailto:ecs-os@egu.eu)**
- **Join the ECS-OS mailing list [os-ecs@lists.egu.eu](mailto:os-ecs@lists.egu.eu) at the OS website [www.egu.eu/os](http://www.egu.eu/os)**
- **See <http://www.egu.eu/ecs/> for more ECS info**

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## **Ocean Science Executive Editors:**

William Jenkins

Eric Delhez

John M. Huthnance

*Need more people! Diversity!  
Suggestions/volunteers?*

## **Ocean Science Topic Editors:**

Sabine Arnault

Bernard Barnier

Piers Chapman

Thierry Fichefet

Matthew Hecht

Mario Hoppema

Simon Josey

Markus Meier

George Nurser

Andreas Sterl

David Stevens

Toshio Suga

Neil Wells

Oliver Zielinski

**Email**

**[jmh@noc.ac.uk](mailto:jmh@noc.ac.uk)**

**or [os@egu.eu](mailto:os@egu.eu)**

**Need more volunteers please! Diversity?! Moribund editors removed?**



# ***Ocean Science Journal***

## **EGU “family”, Open Access (including Discussion/review stage)**

***John Huthnance (co-Executive Editor)***

**2017 statistics (cf 2016, 2015)**

**Special Issues**

**Editors**

**Discussion items**

# Statistics

	OSD	OS
<b>Submissions 2015</b>	<b>109</b>	<b>86</b>
<b>Submissions 2016</b>	<b>102</b>	<b>93</b>
<b>Submissions 2017</b>	<b>104</b>	<b>90</b>
<b>Reviews, decisions (reject) 2015</b>	<b>106, 105 (8)</b>	<b>87, 85 (9)</b>
<b>Reviews, decisions (reject+withdrawn) 2016</b>	<b>85, 70 (15)</b>	<b>93, 80 (13)</b>
<b>Reviews, decisions (reject+withdrawn) 2017</b> <b>(4 still in review)</b>	<b>105, 93 (12)</b>	<b>91, 75 (12)</b>

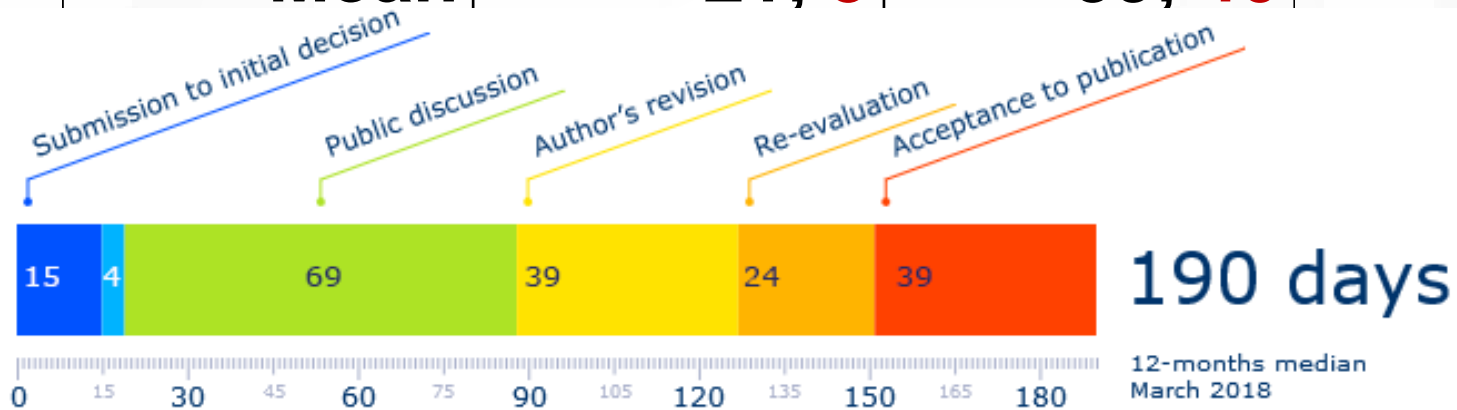
**2015 had many submissions for Special Issues**

**Large majority accepted after revisions**

# Statistics (ctd)

Days from submission to Editor decision & **publication**

	OSD	OS
<b>Median</b>	<b>18, 4</b>	<b>22, 37</b>
<b>Mean</b>	<b>21, 5</b>	<b>39, 40</b>



**Fast compared with most journals, depends on authors!**

**Impact factor 2016: 2.821**

**(2015: 2.985, 2014: 2.232, 2013: 1.962, 2012: 2.192)**

**APCs/page charges: €77(Latex) or €93 (Word) / page**

Suggestions welcome, but we have several starting 2018:

## *In Prospect*

- Hydrological cycle in the Mediterranean
- Surface Ocean Aerosol Production (SOAP)
- **Developments in the science and history of tides**

## *Already one article submitted*

- Coastal marine infrastructure in support of monitoring, science, and policy strategies
- Shipping and the Environment – From Regional to Global Perspectives
- The Copernicus Marine Environment Monitoring Service (CMEMS): scientific advances



## **Topic and Executive editors**

**Suggestions and volunteers welcome (need Editorial Board approval, CV & EGU Council approval for Exec. editors)**

### **EGU *Encyclopedia of Geosciences*:**

**“front end” to regular EGU journal articles, esp. reviews  
Should OS join? – needs “champion(s)”**

### **Please anyway consider OS for your papers**

**Process is fast, efficient; APCs relatively small**

**The trend is to open access publishing like this**

**“Short Course” SC3.7/OS6.1 tomorrow, 0830, room -2.31**

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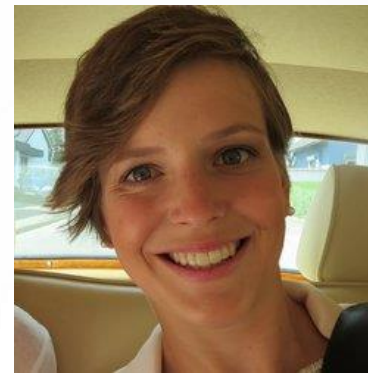
# Outstanding Student Poster and PICO OSPP Award 2018

**4 winners (out of 37 Posters/PICOs in competition):**

**Jess Mead Silvester**

Bangor, UK

*Mixing and Water  
Mass Transformation  
along the Antarctic  
Continental Slope  
(PICO)*



**Svenya Ryan**

AWI, Germany

*Seasonal  
hydrography at the  
eastern flank of the  
Filchner Trough*

**Siren Rühls**

Geomar, Germany

*Lateral eddy diffusivity  
estimates from  
simulated and  
observed drifter  
trajectories*



**Tyler Mixa**

Colorado, US

*Gravity Wave  
Interactions with  
Fine Structures in  
the Mesosphere  
and Lower  
Thermosphere*

# Outstanding Student Poster and PICO OSPP Award 2018

**Thank you to Aida Alvera Azcarate who  
agreed to be our OSPP coordinator!**

## Selection procedure

- During abstract submission, indicate (i) participation in OSPP and/or (ii) availability as poster/PICO judge
- Conveners must allocate 3 poster judges per poster/PICO
- Evaluations online at EGU OSPP judge app
- OS Division select the winning poster(s) or PICO(s)
- **There must be at least two reviews to evaluate the poster/PICO!!!**

## Prize for the winners

- invitation to EGU GA in 2019 (no registration fees)
- publication of related paper in EGU journal is free of charge

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## OS Division Outstanding Early Career Scientist Award

**2018 Winner: Jan Zika, UNSW, Sydney**



**“for outstanding research in ocean dynamics, including fundamental advances in our understanding of the ocean’s thermocline circulation and the ocean’s role in climate.”**

## OS Division Outstanding Early Career Scientist Award

Objective: to recognize a early career scientist for her/his achievements in the field of Ocean Sciences

Nomination: No Self Nomination. Submit nomination to EGU before **June 15<sup>th</sup>** including:

- Nomination letter (1/2 page)
- CV (1 page)
- Selected bibliography (1/2 page)

Selection: Winner selected by OS Division.

### **Arne Richter Union OECS Award:**

Winner of OS OECS Award is our nominee; 4 best division candidates get the Arne Richter Union OECS Award (which prevails on Division Award)

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# Fridtjof Nansen Medal

## 2018 Medalist: Rainer Feistel

Leibniz-Institute for Baltic Sea  
Research, Germany

The 2018 Fridtjof Nansen Medal is awarded to Rainer Feistel for creating the rigorous conceptual foundation of ocean thermodynamics through forming a Gibbs function for seawater.



Medal lecture last Monday.

<http://www.teos-10.org>

[www.egu.eu/os](http://www.egu.eu/os)

# Thank you to the Nansen Medal Committee!

Jochem Marotzke (Chair; MPI, Hamburg, Germany)

Monika Rhein (Bremen, Germany)

John M. Huthnance (NOC Liverpool, UK)

Véronique Garçon (LEGOS, Toulouse, France)

Steve Griffies (GFDL, USA)

*Suggested replacement for your approval*

Marilaure Gregoire (University of Liege, Belgium)

## Fridtjof Nansen Medal

### Call for the 2018 medalist:

Medals programme recognises eminent scientists for their outstanding research contribution in ocean sciences, and identifies the awardees as role models for the next generation of early career scientists.

For the awardees: to act as ambassadors for the European Geosciences Union at the global scale.

Nominations are to be submitted online before June 15th each year at <https://www.egu.eu/user-area/nominations/form/>

No self nomination, do not nominate Medal Committee Members or OS President

→ look at the EGU Website, item **Awards & Medals** and sub-item **Proposal & Selection of Candidates**

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**Thanks to all conveners for their great job and to everyone for interaction!**

**8 Early Career Scientist Travel Awards for OS scientists and one Established Scientist Travel Award (5 in 2017)**

### **OS in total**

1314 abstracts in 53 sessions (1629/46 in 2017)

374 Orals (28%); 839 Posters (64%); 101 PICO (8%)

### **OS led**

577 abstracts in 20 sessions (726/19 in 2017)



## EGU General Assembly 2018 facts

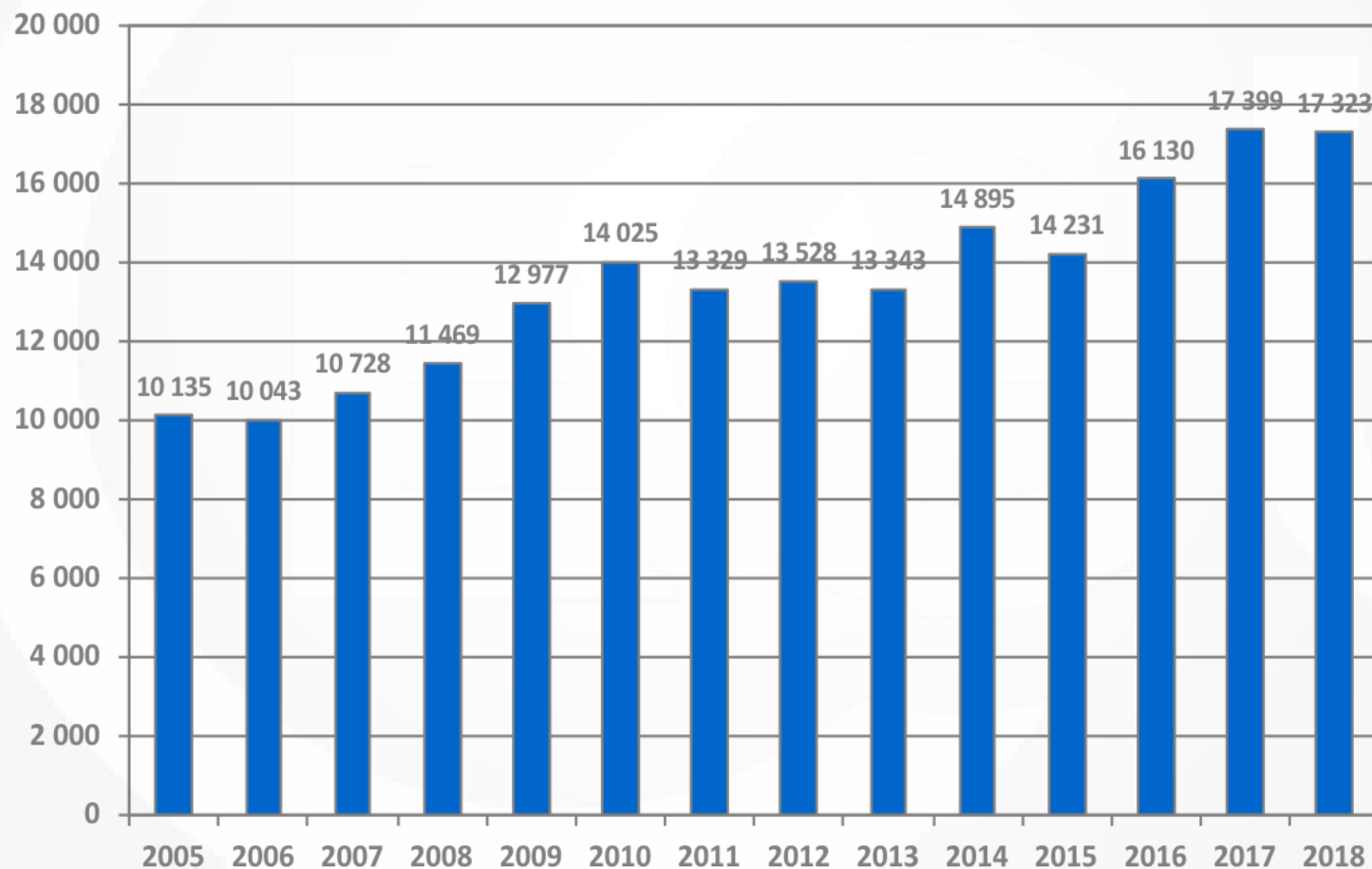
**As of 5 April (12:45), the Assembly 2018 provides:**

- 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

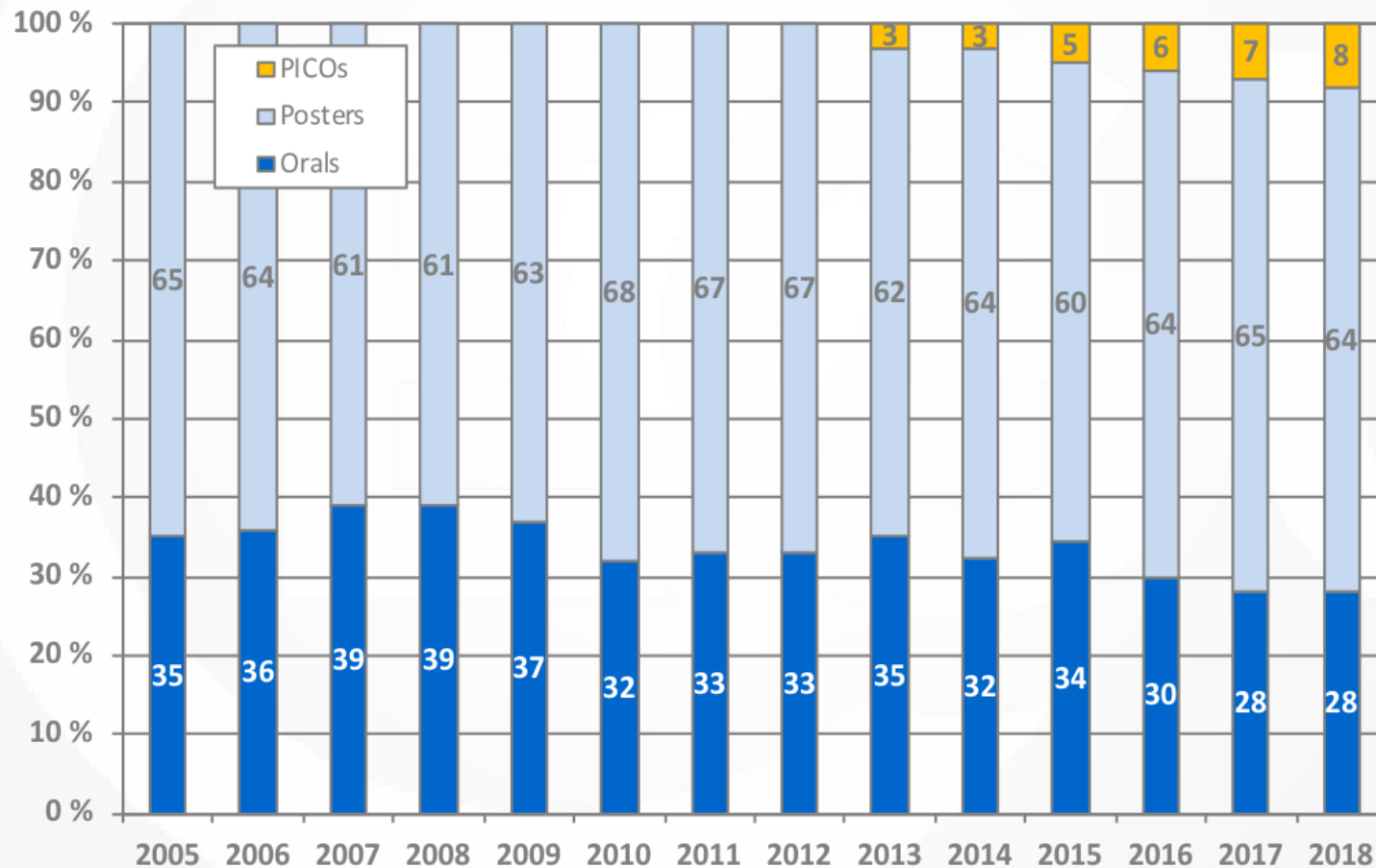


## Papers in programme 2005-2018



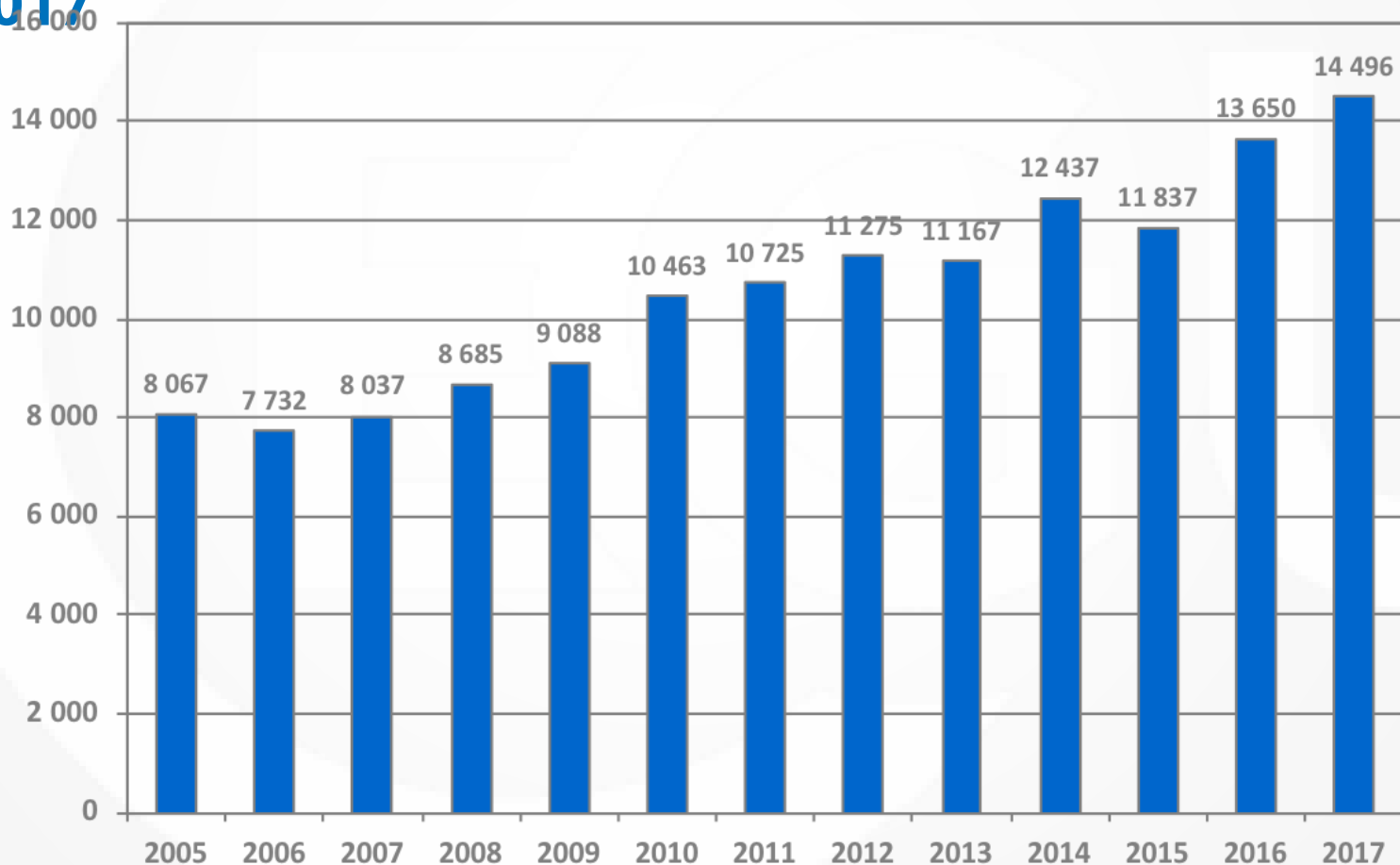


## Presentation ratio 2005–2018





## Participants at EGU General Assemblies 2005-2017



# 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 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

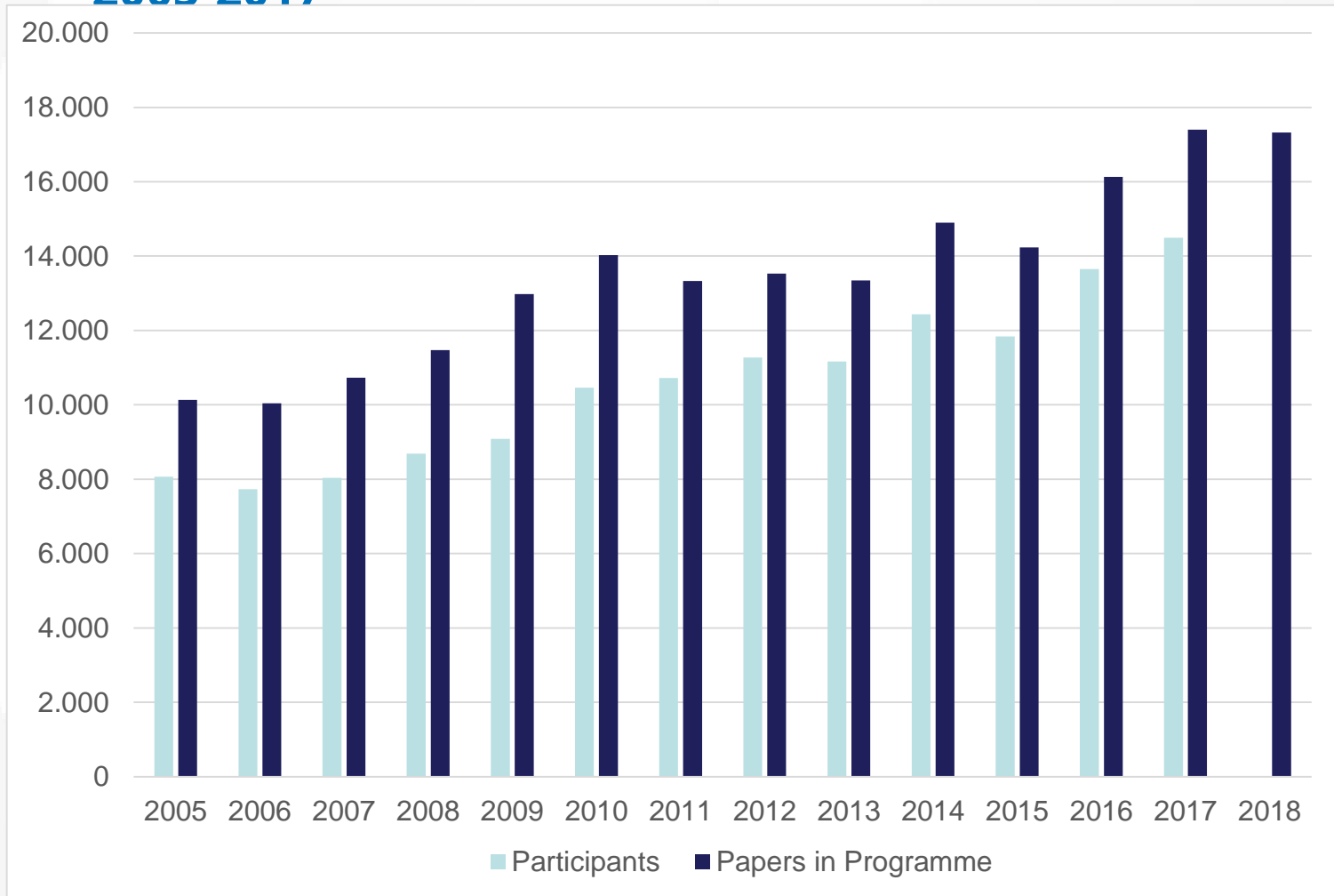


**2019 EGU General Assembly, Vienna, 7<sup>th</sup> – 12<sup>th</sup> April**  
**<https://www.egu2019.eu>**

- **Public call for sessions for GA2019 25<sup>th</sup> June – 13<sup>th</sup> September**  
***New: No carry over of existing sessions!***  
**We need you to propose sessions and volunteer to convene!**
- **Abstract submission 15<sup>th</sup> October – 10<sup>th</sup> January**
- **Travel support for early career scientists and established scientists from disadvantaged countries**
- **Do consider proposing PICO sessions**  
**(OS had 0 in 2016; 1 in 2017; 3 in 2018; two tomorrow morning)**

# Future format General Assembly

## Papers in programme 2005–2018 and participants 2005–2017



# Future format General Assembly

## 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**

# Future format General Assembly

## 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 keuro (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 late-running 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

# Future format General Assembly

## Current model

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

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

## Thank you for attending the Ocean Science Division Meeting!

- Join the OS mailing list at [www.egu.eu/os](http://www.egu.eu/os) to receive updates
- Use the EGU/OS web site to advertise Conferences, Summer Schools: [www.egu.eu/os/meetings](http://www.egu.eu/os/meetings) or jobs [www.egu.eu/jobs](http://www.egu.eu/jobs)
- Follow OS on twitter @EGU\_Ocean
- Facebook EGUosDivision
- Get involved!
- Send feedback or ideas to [os@egu.eu](mailto:os@egu.eu)