

Division Meeting Cryospheric Sciences

Jürg Schweizer & Olaf Eisen

EGU Vienna | 27 April 2017



Meetings | Publications | Outreach | www.egu.eu

- Division president elections 2017: changes
- Meeting's statistics
- CR Programme
- CR Officers and Secretaries, Medal committee
- Early Career Scientists
- Medals and Awards
- Publication: The Cryosphere
- General discussion and feedback

Division president elections 2017

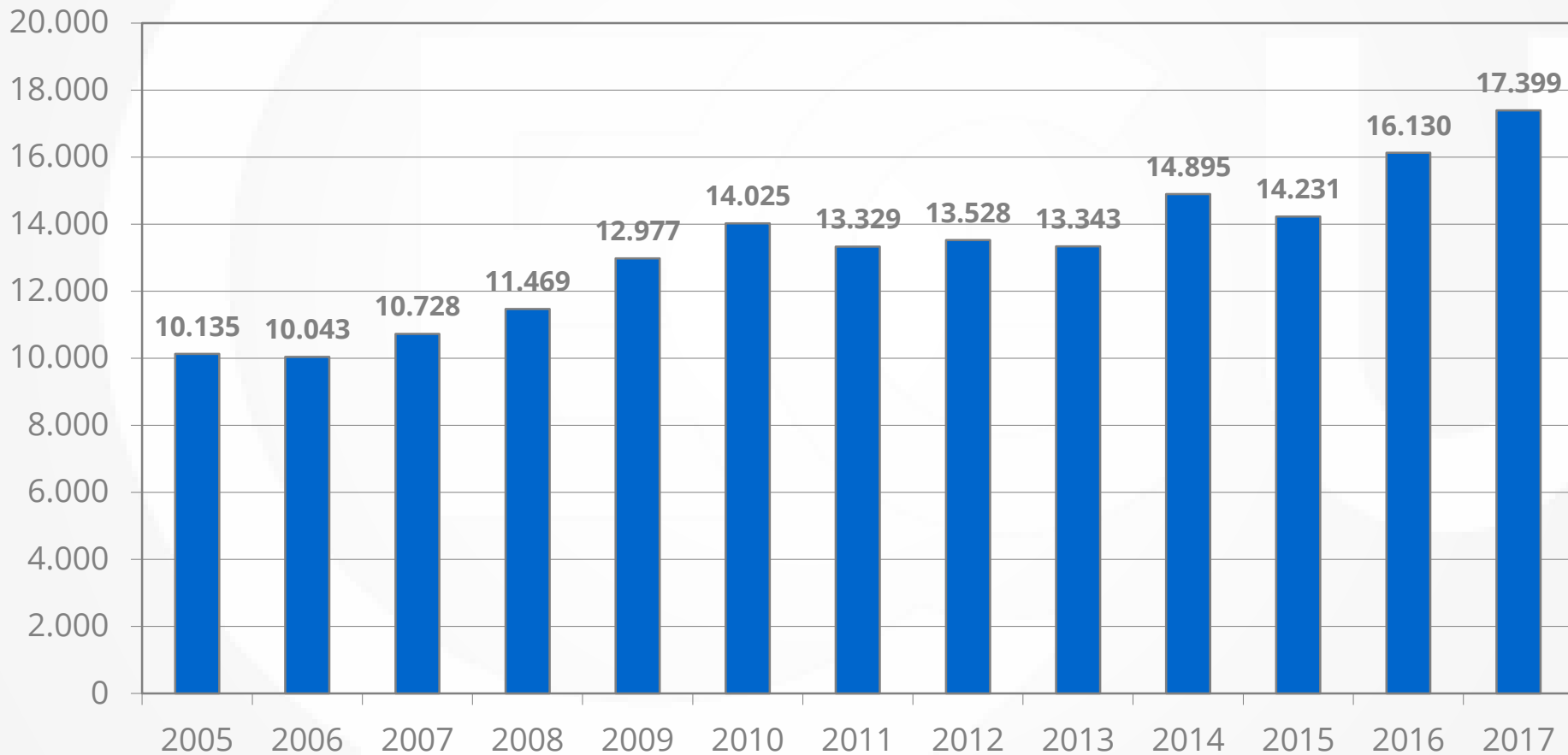
- elections in autumn 2017
(1 year earlier than initially planned)
- Op. 1: newly elected CR president will become
 - division deputy president at the GA 2018
 - division president at the GA 2019
- Op. 2: re-elected CR president:
 - will appoint deputy-president GA 2018 - GA 2020
 - election 2019: elected person will become
division deputy president at the GA 2020 and
division president at the GA 2021

EGU General Assembly 2017 facts

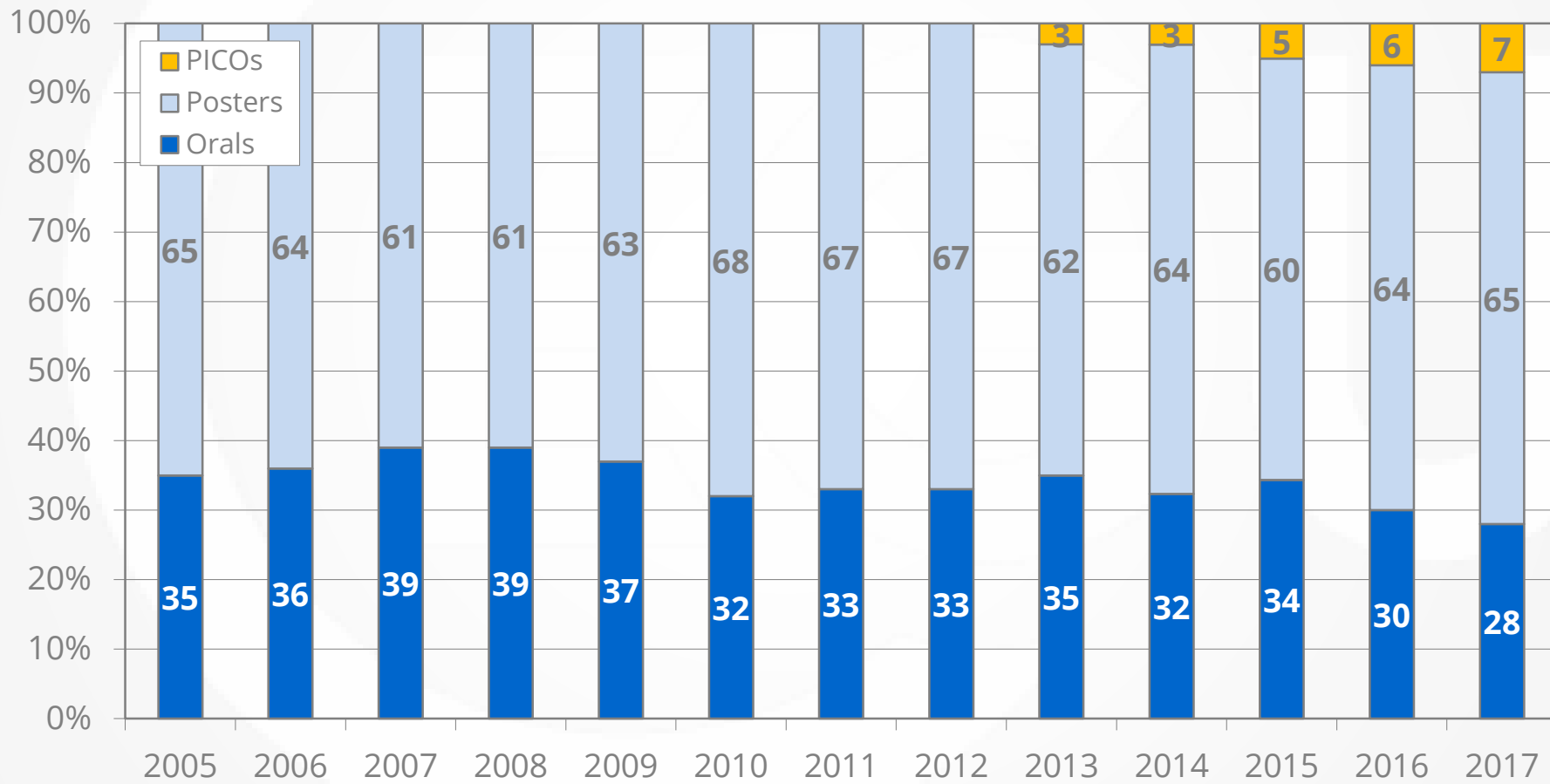
As of 19 April (17:01), the Assembly 2017 provides:

- 17,399 papers in programme | +7.87% (2016)
- 4,849 orals | 11,312 posters | 1,238 PICOs | ratio 28 / 65 / 7
- 11,331 registrations in advance | +3.55% (2016)
- 649 unique scientific sessions | 88 short courses | 322 side events
- 383 out of 649 scientific sessions are co-organized (59%)
- The 383 co-organized include 12 IE sessions with 261 presentations

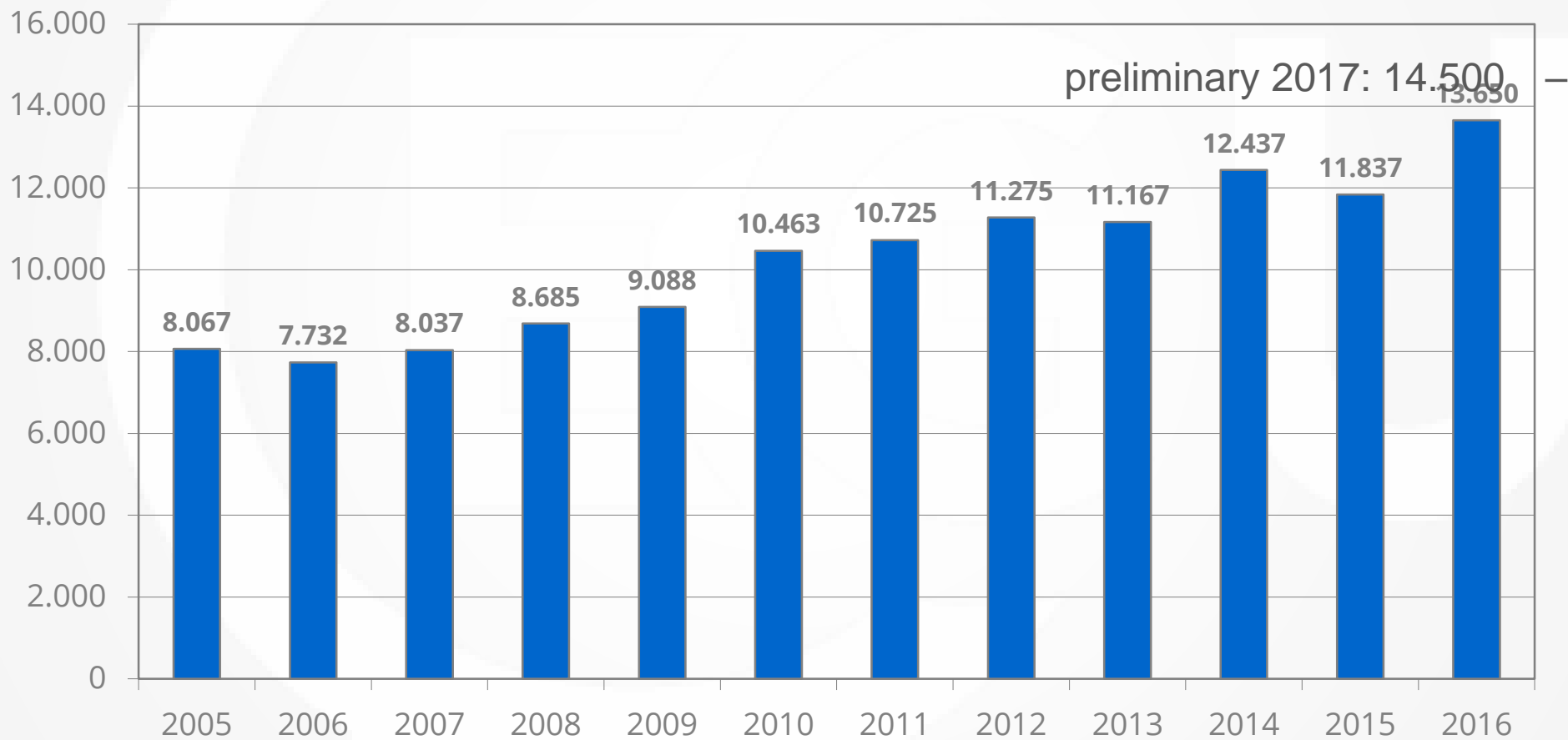
Abstracts in programme 2005–2017



Presentation ratio 2005–2017



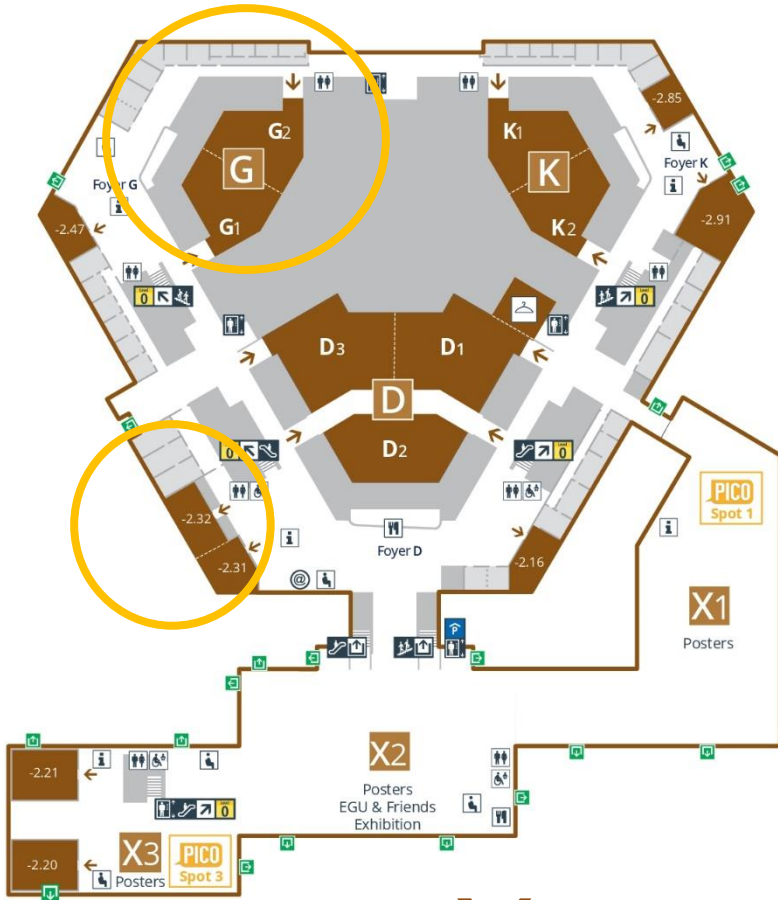
Participants EGU General Assemblies



CR Statistics (CR org + CR co-org)

- 2017: 1179 abstracts, 24 oral blocks | 5 PICOs
(CR org: 521 abstracts in 21 sessions: 24 oral blocks)
→ +9% **22 Abstracts/oral block**
- 2016: 975 abstracts and 43 oral blocks | 4 PICOs
(CR org: 478 abstracts in 21 sessions: 21 oral blocks)
→ +55%
- 2015: 585 abstracts and 28 oral blocks | 4 PICOs
(CR org: 307 abstracts in 17 sessions: 17 oral blocks)
→ -22%

General Assembly 2017
Brown Level -2 – basement
Posters X1 | X2 | X3 | Exhibition



G2: 11 time blocks Mo – Tr

-2.31: 11 time blocks: Tu – Fr

0.49: 1 time block Tu

new: **X5**

Division meeting for Cryospheric Sciences (CR) (co-organized)

Louis Agassiz Medal Lecture by Eric Rignot (co-organized)

CR Division Outstanding ECS Award Lecture by Ricarda Winkelmann (co-organized)

CR1 – The state of the Cryosphere: Past, Present and Future

State of the Cryosphere: Observations

Ice-sheet and climate interactions

Reconstructing paleo ice dynamics

numerical modeling (co-organized)

Glaciers and ice caps under

Atmosphere – Cryosphere in

Polar Climate Predictability and

Mountain climates: processes

Into the Anthropocene; Observations

other climate indicators (co-organized)

Sea level rise: past, present

Atmosphere – Cryosphere in

and deposition of aerosols, etc.

CR2 – Instrumental observations

Remote sensing of the cryosphere

Glacier Monitoring from In-situ

Applied geophysics and in-situ

Fluid signatures in the hydrosphere, ocean and cryosphere from space geodesy and Earth

rotation monitoring (co-organized)

Close-Range Sensing of Environment and 3D Point Clouds in Geosciences (co-organized)

Environmental Seismology: Deciphering Earth's surface processes with seismic methods (co-organized)

Application of remote sensing and Earth-observation data in natural hazard and risk studies

The state-of-the-art in ice coring sciences (co-organized)

CR3 – Snow and ice: properties, processes, hazards

MicroSnow: From quantitative stratigraphy to microstructure-based modelling of snow

Snow, snow cover processes and avalanche formation | PICO session

Snow in ski resorts and snow avalanches: measuring and modelling (co-organized) | PICO

CR1 State of the cryosphere

CR2 Instrumental observations

CR3 Snow and ice

CR4 Permafrost, rock glaciers, debris

CR5 Ice sheets, ice shelves and glaciers

CR6 Open topics

President/PC Chair:	Olaf Eisen	(2017-2019)
Deputy President:	Carleen Tijm-Rijmer:	(2017-)
Medal Committee:	Michiel van der Broeke	(2015-)
OSP Award Coord.:	Nanna B. Karlsson	(2017-)
ECS Rep.:	Emma Smith	(2017-)
Publications:	Thomas Mölg	(2017-)
Outreach:	Sophie Berger	(2017-)

Secretaries

Sea Ice: Michel Tsamados (2016-)

Permafrost: Christophe Grenier (2015-)

Glaciers: Matthias Huss (2014-2018)

Ice Sheets: Guðfinna Th. Aðalgeirsdóttir
(2014-2018)

Ice Caps: Nick Barrand (2014-2018)

Ice Shelves: Adrian Jenkins (2014-2018)

Snow: Marie Dumont (2017-)

Approved by DBM

Louis Agassiz Medal Committee

Dorthe Dahl-Jensen (2014)

Michiel van der Broeke, Chair (2015)

Thierry Fichfet (2016)

Hilmar Guðmundsson (non-medalist)

ex-officio member without voting rights:
Olaf Eisen

Election of new Division President
for 2019-2021 in late fall 2017.

Candidatures are due in September.



EGU BLOGS

- chief editors: Sophie B...
- regular editors: Nanna Teresa Kyrke- Chris Horvat,
- regular authors: David Tommaso Sar...
- social media: Henning Akesson, Stephen Chuter
- and many other individuals with contributions

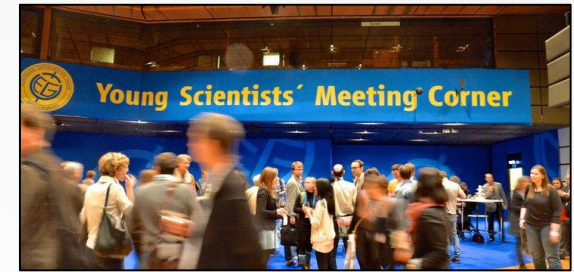


Woo Hoo the Cryblog has won the EGU 2016 blog competition. Thank you all for your votes !

CR Cryospheric Sciences



Image of the Week – The Journey of a Snowflake



EGU level

“An Early Career Scientist (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.*

** Provided parental leave fell into that period, up to one year of parental leave time may be added per child, where appropriate.”*

EGU: 8,852 (51%)

CR: 578 (51%)

Sunday : pre-icebreaker meet-up

Monday: short course:

crashing the cryosphere

Monday: short course:

Quantarctica workshop

Tuesday: blog recruiting lunch

Tuesday: meet up organised by ICYS

Wednesday: short course:

Communicating climate change, blogging as a group

Wednesday: short course:

Successful strategies to design, develop and write a scientific paper

Thursday: short course:

APECS/EGU career panel

Thursday: cryo night out from 19:30 until ...



Louis Agassiz Medal Lecture by Eric Rignot

Mon, 13 April, 19:00-20:00 / Room L3

The 2016 Louis Agassiz Medal is awarded to Eric Rignot for his outstanding impact in research, service and outreach on the mass balance of ice sheets and shelves.



CR Division Outstanding Early Career Scientists Award Lecture by Ricarda Winkelmann

Wed, 25 April, 11:00-11:15 / Room G2

Ricarda Winkelmann obtains the CR OECS award for her studies on the role of the cryosphere in the climate system and the future climate impacts of large ice masses on a global scale.

Outstanding Student Poster Award

Philip Kraaijenbring



The 2016 Outstanding Student Poster and PICO (OSPP) Award is awarded to Philip Kraaijenbring for the poster entitled:

Multi-temporal high resolution monitoring of debris-covered glaciers using unmanned aerial vehicles

Kraaijenbrink, P.; Immerzeel, W.; de Jong, S.; Shea, J.; Pellicciotti, F.; Meijer, S.; Shresta, A.



Outstanding Student PICO Award

Benjamin Reuter

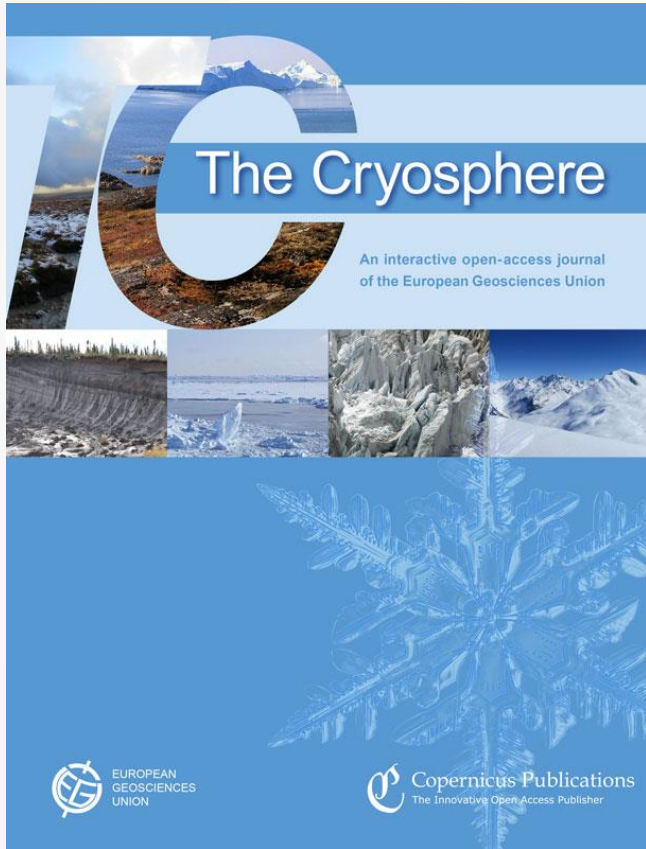
The 2016 Outstanding Student Poster and PICO (OSPP) Award is awarded to Benjamin Reuter for the PICO presentation entitled:

Causes of snow instability variations at the basin scale

Reuter, B.; Richter, B.; Schweizer, J.

- *Union medals*
 - Alfred Wegener Medal (senior late-career scientists)
- *Union awards*
 - Arne Richter Award for Outstanding EC Scientists
- *Union travel awards*
- *Division medals and awards*
 - Louis Agassiz Medal (‘mid-term’ scientist)
 - Outstanding Young Scientist Award
 - Outstanding Student Poster Award

Deadline for proposing candidates for 2017 is 15 June 2017.
Detailed guidelines www.egu.eu/awards-medals.

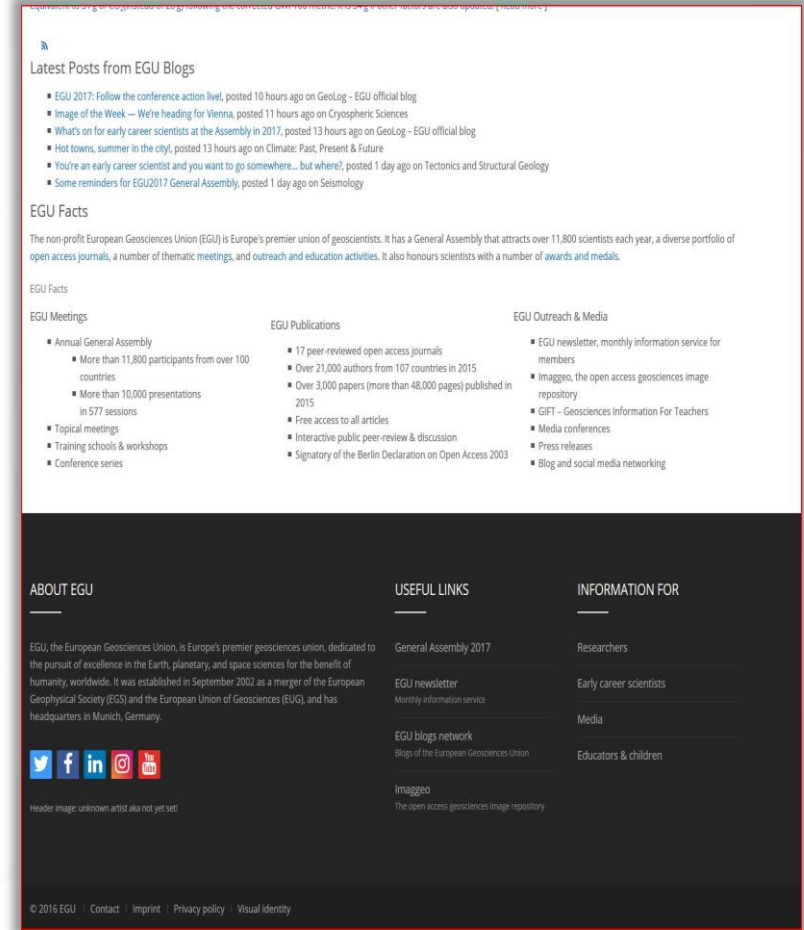
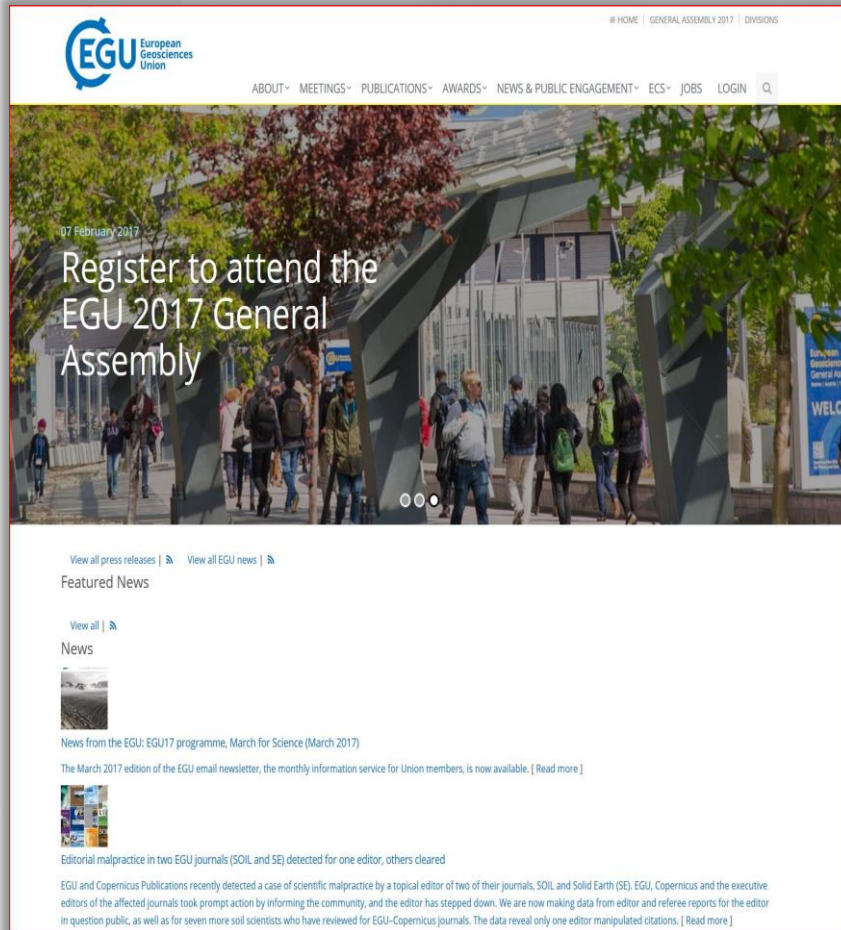


- An open access journal
- Impact factor 4.9
- The leading journal in its field
- 2016: TCD: 296, TC: 239
- Co-Editors-In-Chief:
 - Florent Domine
 - Hilmar Guðmundsson
 - Stephan Gruber
 - Thomas Mölg
 - Olaf Eisen

10 year anniversary open reception today, 19:00, G2

- GA & Conferences → **Galileo Conferences**
- Co-sponsored meetings
 - 1 call per year: 1 June 2017: Training Schools
- Publications
- Awards
- Outreach
- Newsletter
- Early Career Scientists

- Address well-focused cutting-edge topics at the frontier of geosciences research.
- 3-5 days meeting for discussion and debate for about 100 scientists.
- EGU provides comprehensive organisational support allowing organizing committees to focus on the scientific aspects.
- Support for Early Career Scientists (up to 5000€)
- EGU is partly sponsoring the event. Financial loss or benefit go to EGU.
- 2 stage application process on-line.
- 2017: two Galileo conferences
- 2018: evaluation ongoing
- Next call end of 2017 for 2019!



In implementation ...
Div. Websites & User sites remaining

- Suggestions for improving the programme?
- PICOs? Lecture rooms?
- Size of conference: cap?
- Poster sessions exclusively: 5:30-7:00 pm?
- Please propose new sessions and new conveners for 2018.
- Time of the Medal lecture: 7-8 pm?

EGU 2018: 8-13 April



**Please
Give Us
Feedback!**

www.egu2016.eu/feedback

Some comments from meeting:

posters: keep 17-19h

orals: only take those for room allocation that select oral/poster, not poster only

high-level talks sufficient percentage of orals required – attn: ECS ratio

both decision ok

Further comments sent to PC already