



European Geosciences Union



Earth & Space
Science Informatics

Division



ESSI Division Meeting

Joan Masó





EGU General Assembly 2014 Facts

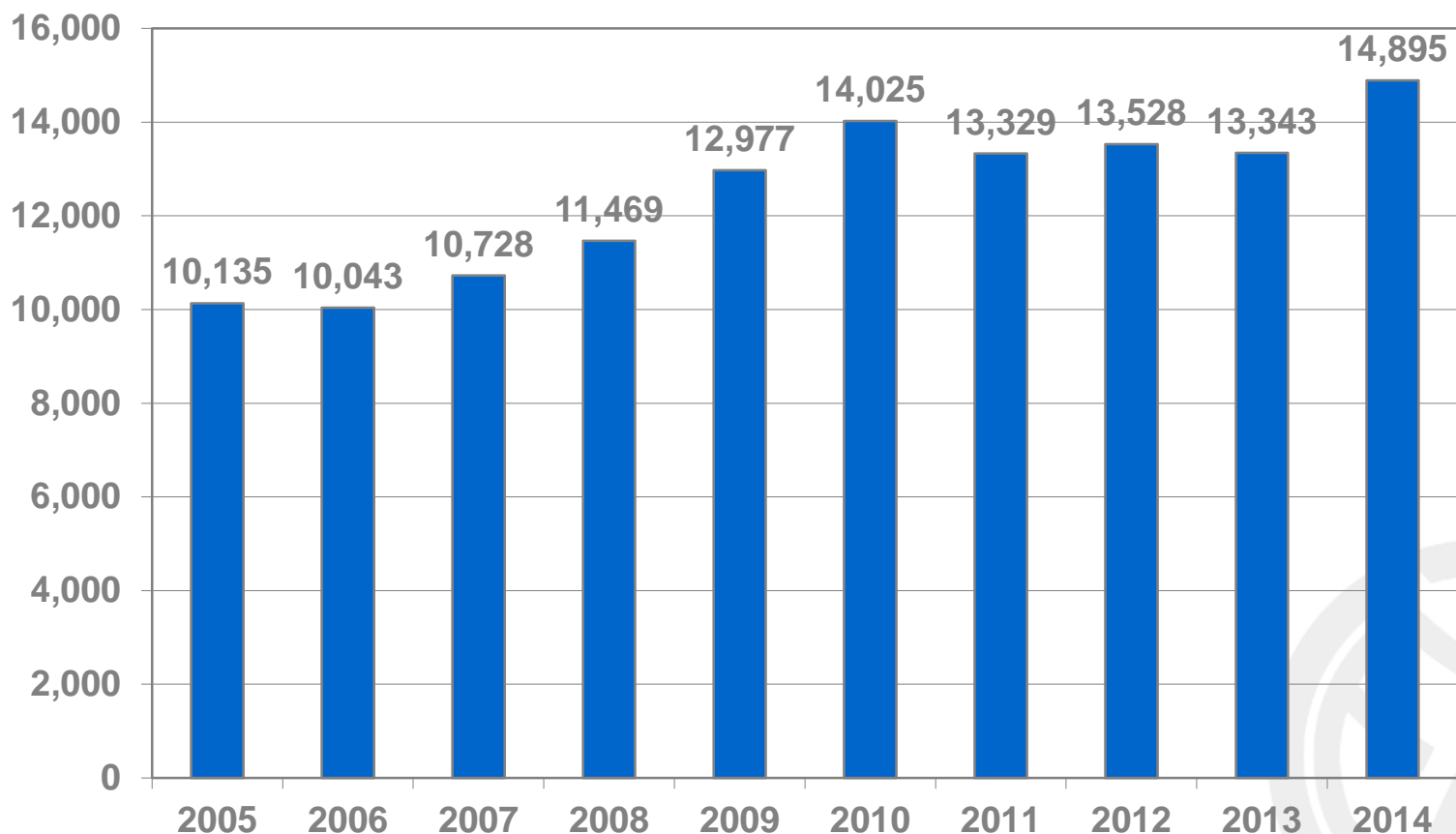
As of 26 April, the Assembly 2014 provides:

- 14,895 Papers in Programme | +11.6% (2013)
- 4,829 Orals | 9,583 Posters | 483 PICOs | Ratio 32 / 64 / 3
- 568 unique scientific Sessions | 126 PSD Sessions | 245 Side Events
- 10,261 Registrations in Advance (10,176 already paid) | +3.9% (2013)



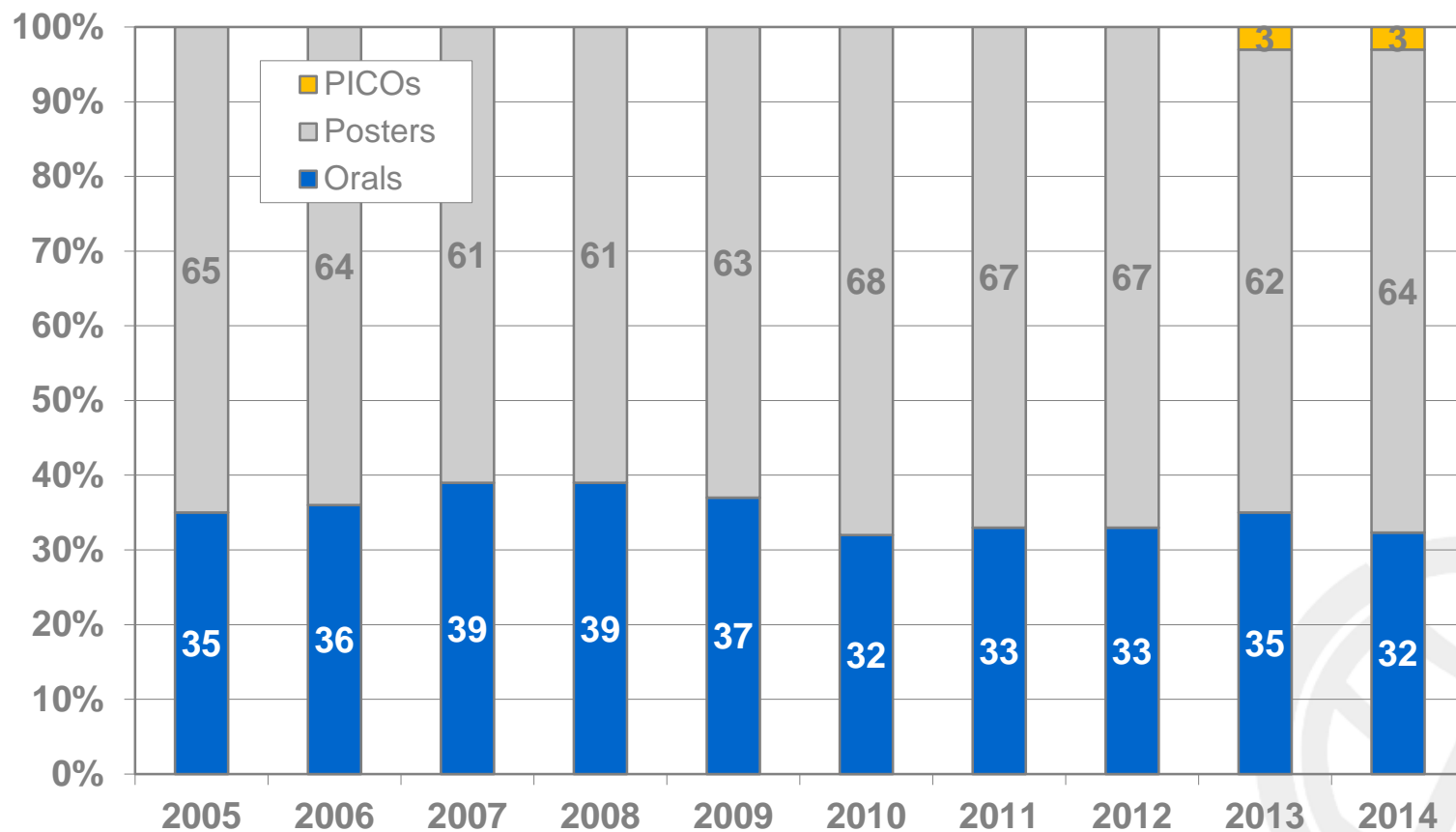


Papers in Programme 2005–2014



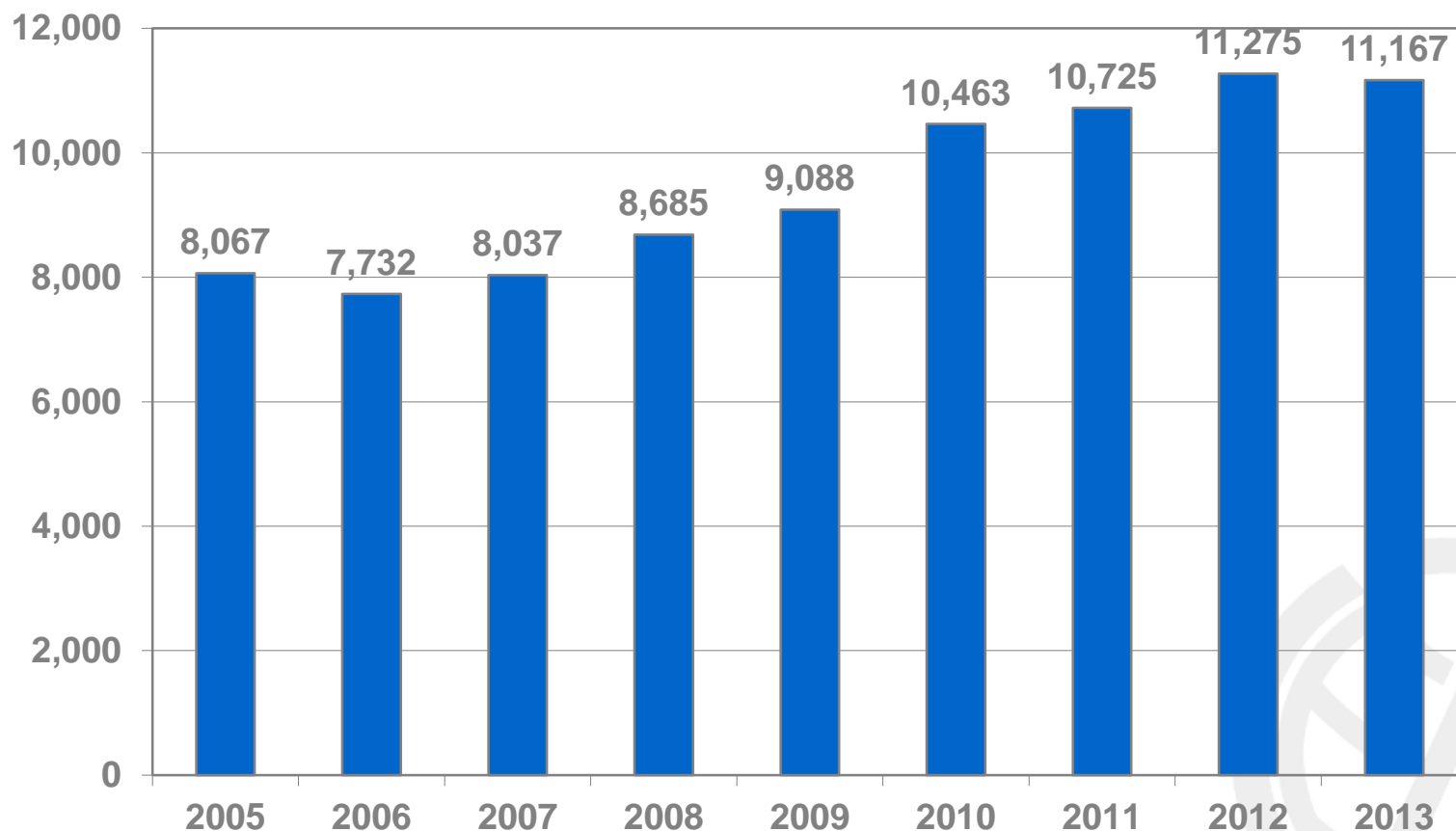


Presentation Ratio 2005–2014



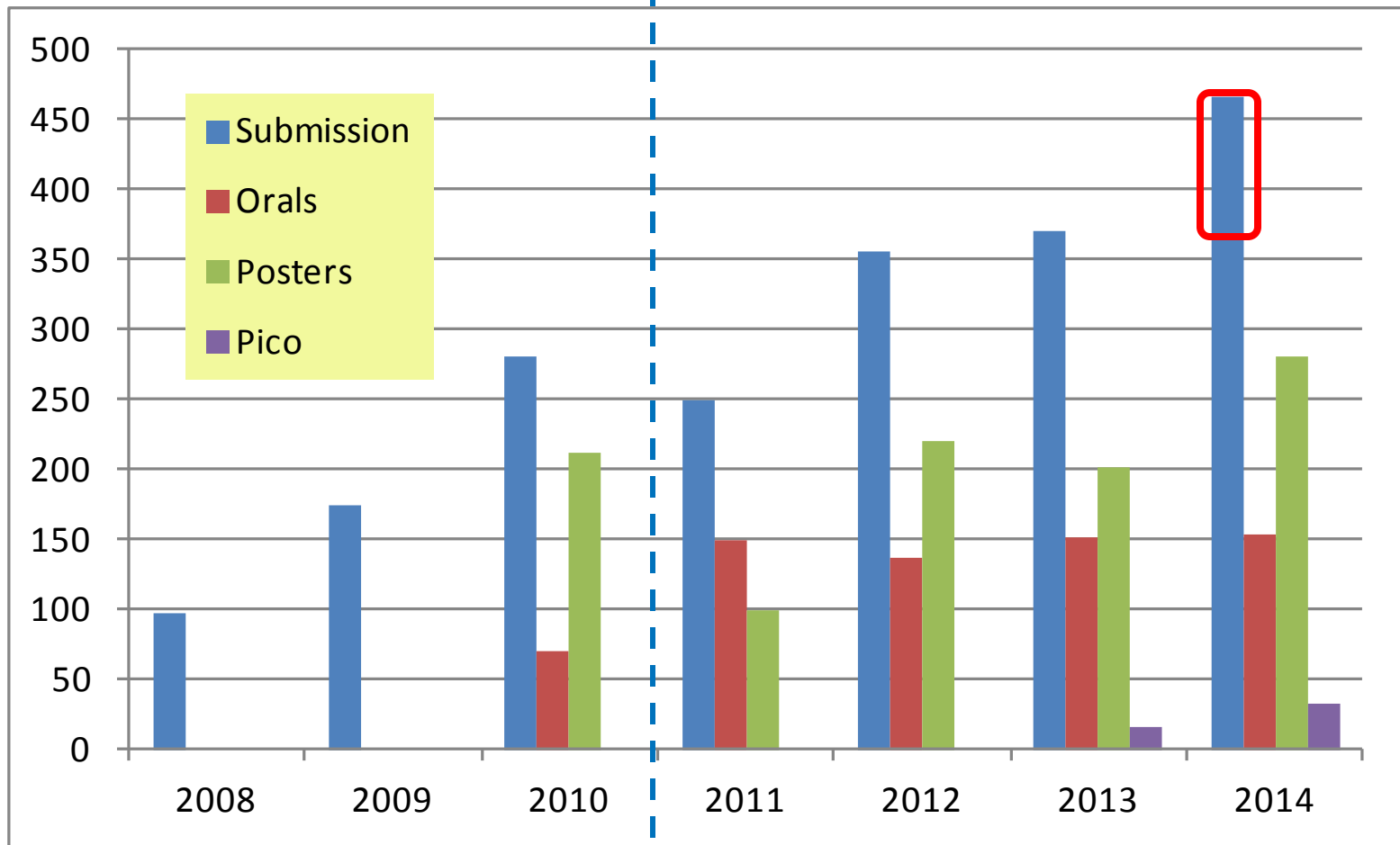


Participants at EGU Assemblies 2005–2013





Participation in ESSI



Introduction of the
abstract fee



ESSI Subprogram

- **#1: Community-driven challenges and solutions dealing with Informatics**
 - Kerstin Lenhert
 - Giuseppe Manzella
- **#2: Multi-disciplinary challenges and solutions across the Earth and Space Sciences**
 - Horst Schwichtenberg
 - Wim Som de Cerff
 - Paolo Mazzetti
- **#3: Visualization for scientific discovery and communication**
 - Jon Blower
 - Mohan Ramamurthy
- **THANKS!**





ESSI Subprogram in numbers

- **#1: Community-driven challenges and solutions dealing with Informatics**
 - Sessions: 10/7
 - Oral: 75, PICO: 0, Poster: 149
- **#2: Multi-disciplinary challenges and solutions across the Earth and Space Sciences**
 - Sessions: 11/10
 - Oral: 54, PICO: 14, Poster: 88
- **#3: Visualization for scientific discovery and communication**
 - Sessions: 4/2
 - Oral: 25, PICO: 18, Poster: 43





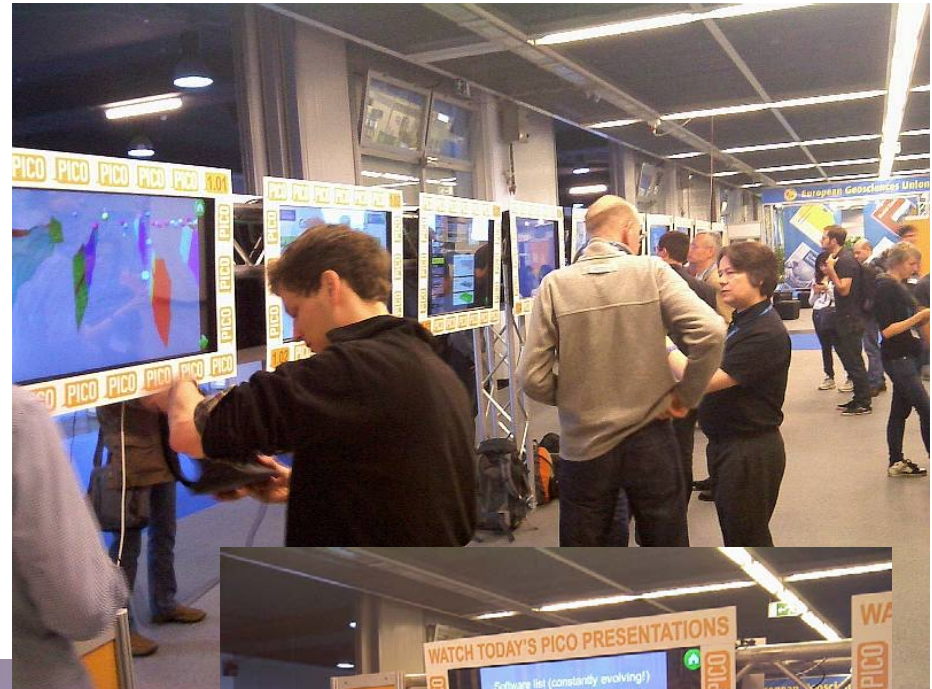
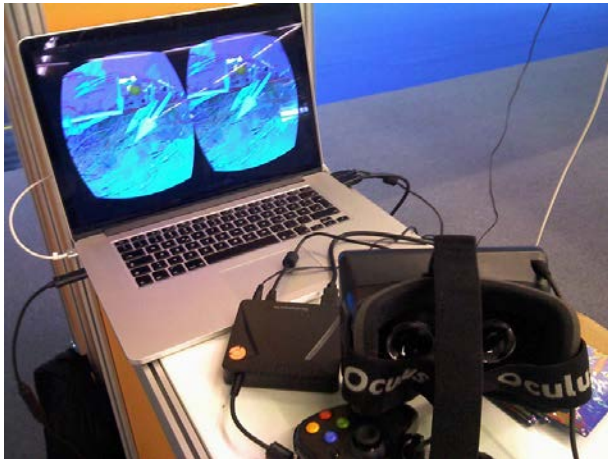
100 Conveners

Akiyo Yatagai , Alaitz Zabala , Alice Milne , Andrew Woolf , Anna Ladenberger ,
Balázs Székely , Ben Domenico , Bernd Ritschel , Bernhard Höfle , Bernhard Höfle ,
Christian Brieke , David Arctur , Dick M. A. Schaap, Dominik E. Reusser , Ebru Bozdog ,
Edith Haslinger , Eigil Friis-Christensen , Emily So , Fiona McEvoy , Francesco Zucca ,
G. Percivall , Gauthier Hulot , Geert Verhoeven , Georg Gartner , Georgios Balasis , Gerard
Heuvelink , Giuseppe M.R. Manzella, Hannes Bathke , Hannes Taubenböck,
Harm Bartholomeus , Hermann Lühr , Horst Schwichtenberg , Jay Pearlman , Jens Klump ,
Joan Masó , Joan Masó , Joan Maso , Joan Masó , John van de Vegte , Jon Blower , José
Miguel Rubio Iglesias , Juha Suomalainen , Karen Mair , Karl Kleemayr , Keith Jeffery ,
Kush Wadhwa , Kwo-Sen Kuo , Lammert Kooistra , Lluís Pesquer , Lorenzo Bigagli ,
Lorenzo Bigagli , Manfred Birke , Manuel Seeger , Martin Rutzinger , Massimiliano Pittore ,
Massimo Cocco , Matthew Harrison , Michael Böttinger , Mikael Pedersen , Mike Sips ,
Miquel Ninyerola , Mohan Ramamurthy , Monique Petitdidier , Morris Riedel ,
Natasha Barrett , Niels Anders , Niklas Röber , Niklas Röber , Norbert Pfeifer ,
Norbert Pfeifer , Norman Kerle , Oliver Fuhrer , Paolo Diviacco , Paolo Mazzetti ,
Paolo Paron , Paula Wilkinson , Peter Baumann , Peter Löwe , Pierre-Philippe MATHIEU , R
M Lark , R. S. Nanjundiah , Rahul Ramachandran , Rémy Bossu , Riccardo Lanari , Rob van
der Krogt , Robert Tomas , Rocco Malservisi , Rolf Becker , Saskia Keesstra ,
Sébastien Denvil , Simon Cox , Stefano Nativi , Thomas R. Walter , Torild Eck Van ,
Valentine Anantharaj , Walter Schmidt , Wim Hugo , Xavier Lapillonne , Xavier Pons ,
Yann Chemin

THANKS !

2 PICO sessions

- “The poster of the future”
- Let’s have more PICOs



Session ESS13.2
State of the Art in Earth Science Data Visualization

2-Minutes-Madness: 08:30–08:56

PICO Viewing Time: 08:56–10:00

Please visit the touch screens and meet the authors.



No applicants to grants

Programme Group Statistics

Scheduled	Total: 466
Status	Active: 452 (97%) Withdrawn: 14 (3%)
Support Applications	None: 452 (97%)
Presentations	Posters: 280 (60%) Orals: 154 (33%) PICOs: 32 (7%)

■ [Show Statistics for all Programme Groups](#)

Meeting Statistics

Scheduled	Total: 15,634
Status	Active: 14,851 (95%) Withdrawn: 783 (5%)
Granted Supports	None: 14,582 (98%) YSTA: 253 (2%) ESTA: 16 (0%)
Presentations	Orals: 4,815 (31%) PICOs: 960 (6%) Posters: 9,556 (61%)

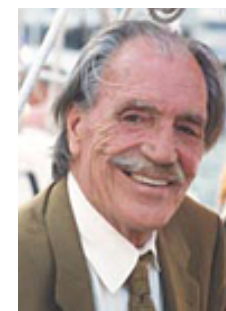


ESTA and YSTA

- **Young Scientist's Travel Award (YSTA):**
 - a free registration together with a refund of the Abstract Processing Charge (APC).
 - additional financial support for the travel expenditures with a maximum of €300.
 - be age 35* or younger.
 - be an undergraduate or postgraduate (Masters/PhD) student or have received her/his highest degree qualification (e.g., BSc, MSc, PhD) within the last seven* years.
- **Established Scientist's Travel Award (ESTA):**
 - a free registration together with a refund of the Abstract Processing Charge (APC)
 - additional financial support for the travel expenditures with a maximum of €300.
 - lower middle income countries

Ian McHarg Medal

- This medal has been established by the Division on Earth and Space Sciences Informatics. It is reserved for distinguished research in Information Technology applied to Earth and Space Sciences.
- In recognition of the scientific achievements of Ian McHarg.
 - Glasgow 1920 – USA 2001
 - was pioneer of the concept of ecological planning
 - he set the basic concepts of the Geographic Information Systems.





Our medallists



2013

- Alessandro Annoni
 - information technology applications, data management, openness



2012

- Peter Fox
 - informatics as a genuine discipline in Earth Sciences



2011

- Monique Petitdidier
 - support of African scientists, outreach and 'science citizens'





Future medals

- In 2014 we did not have nominations and the opportunity was missed
- **Let's not miss this opportunity again**
- **We need more than one candidate**
- <http://www.egu.eu/awards-medals/proposal-and-selection-of-candidates.html>
- Please start thinking about candidates for 2015
 - Ideas?





Former Ian McHard Medal committee

- Max Craglia (chair) (4 years)
- Michael Gould (4 years)
- Monique Petitdidier
- Peter Fox
- Jay Pearlman (4 years)
- Alessandro Annoni
- **THANKS!!**





New medal committee for **approval**

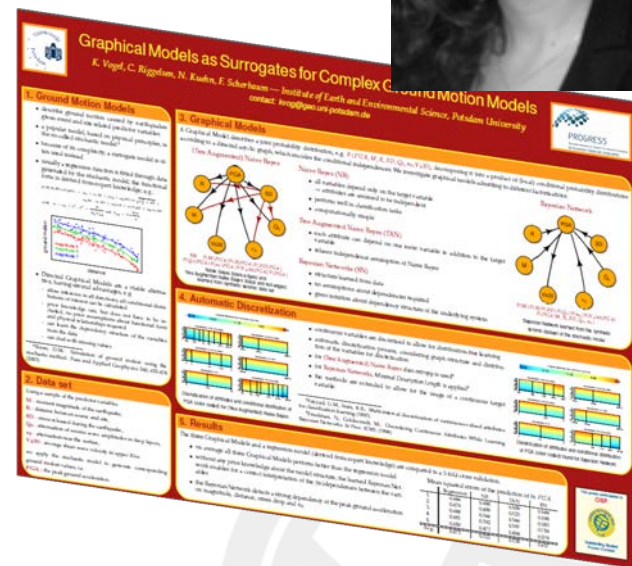
- Alessandro Annoni (chair)
 - Monique Petitdidier
 - Peter Fox
 - Peter Baumann
 - David Arctur
 - Jose Miguel Rubio
-
- Neither against nor abstention votes



Outstanding Student Poster (OSP)

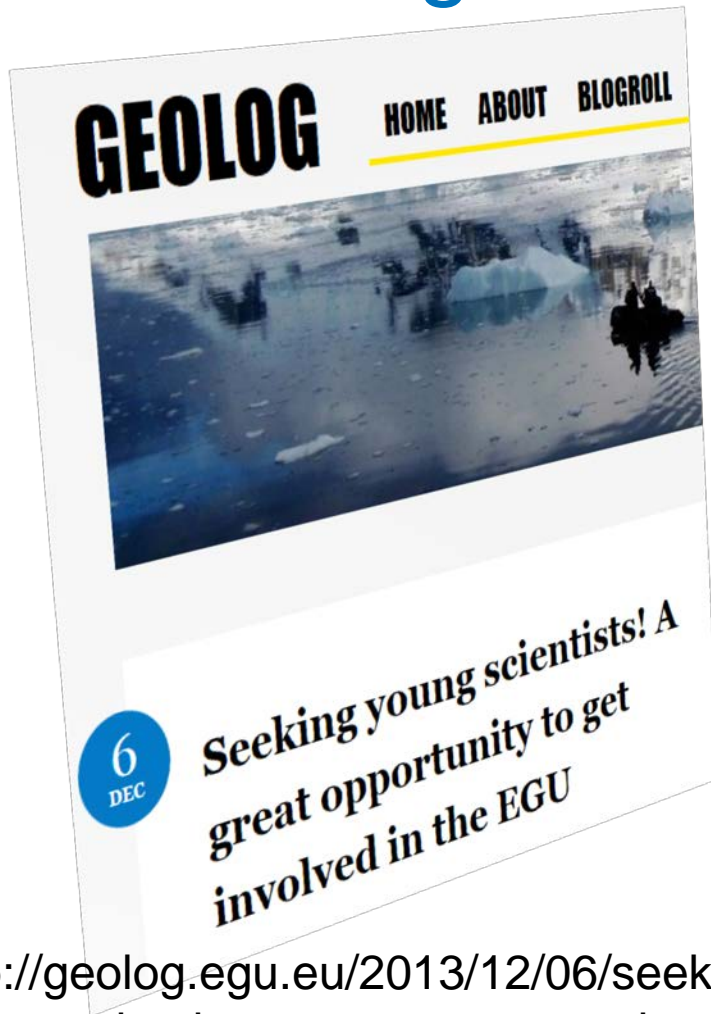
- 2012 Kristin Vogel

- Former OSP division coord.
 - Lorenzo Bigagli **THANKS!!**
- New OSP division *coordinator*
 - Ivette Serral
- (and she is ESSI *webmaster* also)





Young Scientist Representative



- Each division can have a representative for the young scientist
- For more information contact Sam Ellingworth
- Young scientist representatives are a crucial link between the EGU and the young scientist community

<http://geolog.egu.eu/2013/12/06/seeking-young-scientists-a-great-opportunity-to-get-involved-in-the-egu/>



Young Scientist Representative

- The responsibilities can include (but aren't limited to):
 - organising events for young scientists at our annual General Assembly,
 - outreach to young scientists and the wider public through social media or a division blog,
 - or establishing a mentoring programme for other young scientists
- Candidates: _____ & _____



ESSI on twitter



Tweets [Follow](#)

ESSI

EGU_ESSI @EGU_ESSI 15h
Come to our oral sessions in [#EGU2014](#). Orals will be mainly on Room G1 and G3 in the first floor. PICOs in the spot 1 (basement).
Posters R
[Expand](#)

ESSI

EGU_ESSI @EGU_ESSI 16h
ESSI division is ready to start on [#EGU2014](#). ESSI3.4 oral session opens it very early on Monday: 08:30-12:30 GEMAS Room B6 with SSS and GI
[Expand](#)

Find the EGU on



<http://www.egu.eu/outreach/social-media/>



Open Access Journals in EGU

- **Geoscientific Instrumentation, Methods and Data Systems (GI).** Topics:
 - Retrieval techniques of scientific products from measurements;
 - Calibration and data quality assessment;
 - Uncertainty in measurements;
 - Newly developed and planned research platforms and community instrumentation capabilities;
 - Major national and international field campaigns and observational research programs;
 - New observational strategies to address societal needs in areas such as monitoring climate change and preventing natural disasters;





Looking for ideas to bring to the Council

- EGU is a VERY healthy organization in terms of money. It has a huge reserve that can be spend in several ways
- My impression is that the Council and the committees are looking for new good ideas to move forward.
- Examples
 - Organize a transversal demonstrative workshop of informatics for the science
 - Introducing the informatics into secondary schools as a tool for disseminating science
 - A new publication about informatics.
 - Stimulate the usage of Free/Open software/tools committee including support to low income countries
 - An European ciberinfrastructure equivalent to Earthcube for Europe (or more modestly sponsor, e.g., Pangaea or other data repositories)
- But we need people to push those ideas and propose them to the committees and to the Council.



The EGU theme for 2014



**The Theme
of the
EGU2014**



- Too late for our participation in this but...





The EGU theme for 2015

- **“A voyager to scales”**
- I REALLY like this theme. It is an intrinsic topic in our division.
- It links to big data and the Digital Earth
- Proposals
 - Try to have a session on the topic?
 - New medallist expert on this topic?
 - Participate in the preparation of some GIS multiscale demonstration: kind of “zoom in to the Earth” thing?
 - ...





New By-Laws

- § 7.5 Each Division shall have at least one Deputy President and may have additional Division officers.
- § 7.7 Each Division shall hold a Division meeting during the course of the General Assembly of the Union. The Division meeting appoints the Deputy President(s) and the other Division officers.



Vice-president (Deputy President)

- Bernd Ritschel
- Has served for 6 years, **THANKS!**
- I'm formally asking for new vice-president candidates now: Paolo Mazzetti





Science Officers

- Reinhard Budich
 - Meteorology and Climatology
- Pier Giorgio Marchetti
 - Space
- Kerstin Lehnert
 - Geochemistry
- Giuseppe R. Manzella
 - Oceanography
- Peter Fox
 - for the Liaison with AGU-ESSI
- Science Officers should promote sub-programmes and ask their colleagues to organize sessions.
- They have served for many years. **THANKS!**
- Is there new volunteers? Present sub-programmes chairs are good candidates to Science Officers.



New of Renew division president

- There will be an opportunity to appoint a new division president soon.
- Think about it and present your candidature!





- Any aspect that you want me to bring to the Council?
- PICO as a demonstration of the multiscale theme
- How we could have ESSI related workshop that EGU co-finance?
 - Interest for several divisions.
- Some rooms need to be bigger





Just after the meeting.

- Martin Hammitzsch propose himself as the new Young Science Representative.
- The division president will request that he can be the YSR immediately even he was not elected in the division meeting.

