



# Geodesy Division Meeting

Wednesday 15.4.2015

**Michael Schmidt**

## Agenda

- EGU 2015 and Geodesy statistics
- Sessions 2015, call for sessions 2016
- Medals and Awards
  - Vening-Meinesz Medal
  - Outstanding Young Scientist Award (including presentation)
  - EGU Outstanding Student Poster Award in Geodesy
- Structure of the Geodesy Division
- Young Scientist Representation
- Other items
- AOB





# Carl-Christian Tscherning

(1942 – 2014)





In 2008 he was awarded with the Vening Meinesz Medal.

In the citation it is written:

“The 2008 Vening Meinesz Medal is awarded to Carl-Christian Tscherning for his fundamental contributions to physical geodesy and his unselfish involvement within the international association of geodesy.”



Christian's vita can be found at:

<https://www.egu.eu/awards-medals/vening-meinesz/2008>





# Carl-Christian Tscherning

(1942 – 2014)

**Christian, we are missing you!**





# Statistics 2015

As of 07 April, the Assembly 2015 provides:

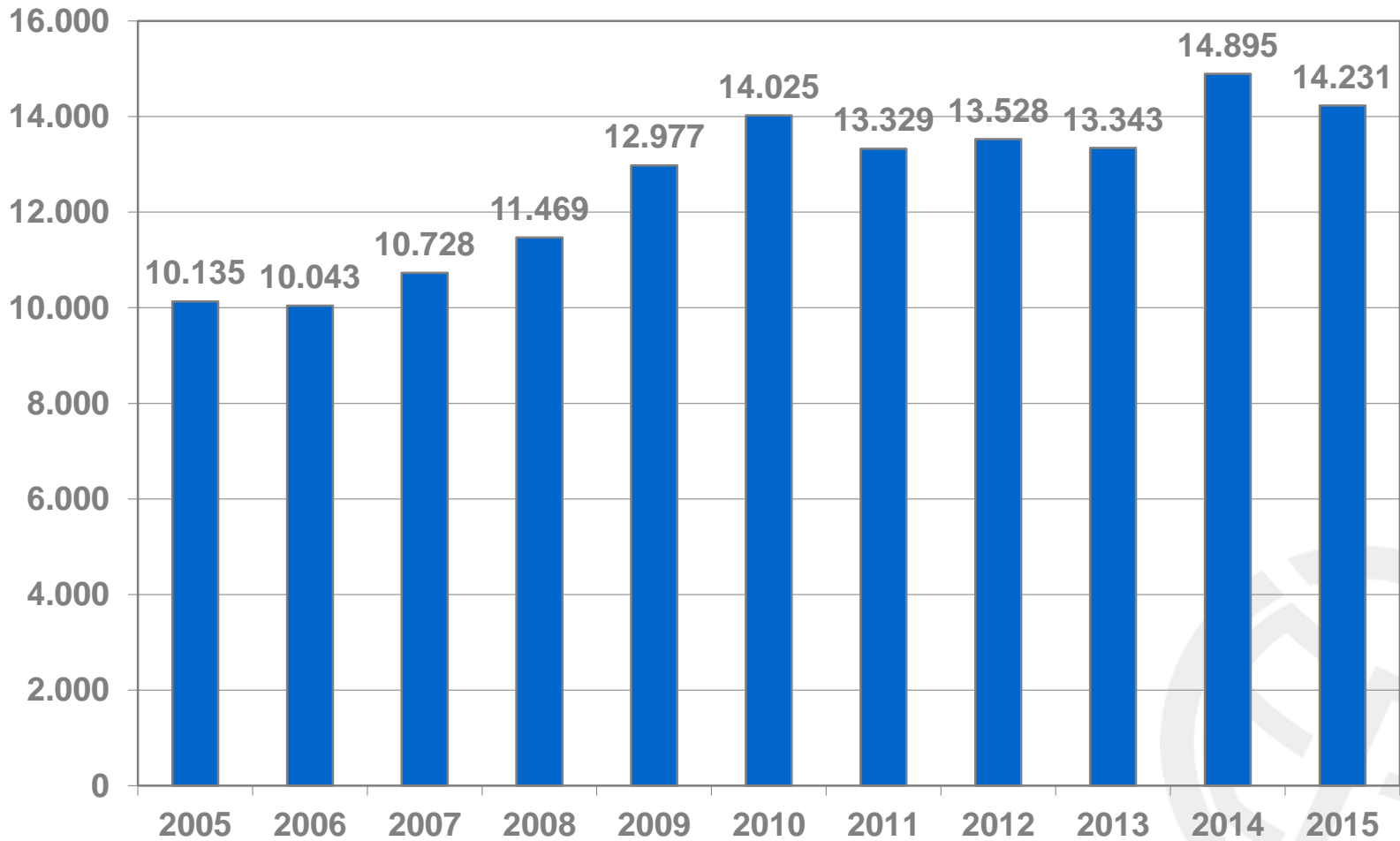
- **14,231 papers in programme** | -4.46% (2014)
- 4,900 orals | 8,608 posters | 723 PICOs | ratio 34.5 / 60.5 / 5
- 379 unique scientific sessions | 285 side events\*
- **8,848 registrations in advance** (8,800 already paid) | -13.77% (2014)

\*Side events include: GDB, ML, GL, KL, TM, EGU, SC, SPM, DM, EBM, UM, OM



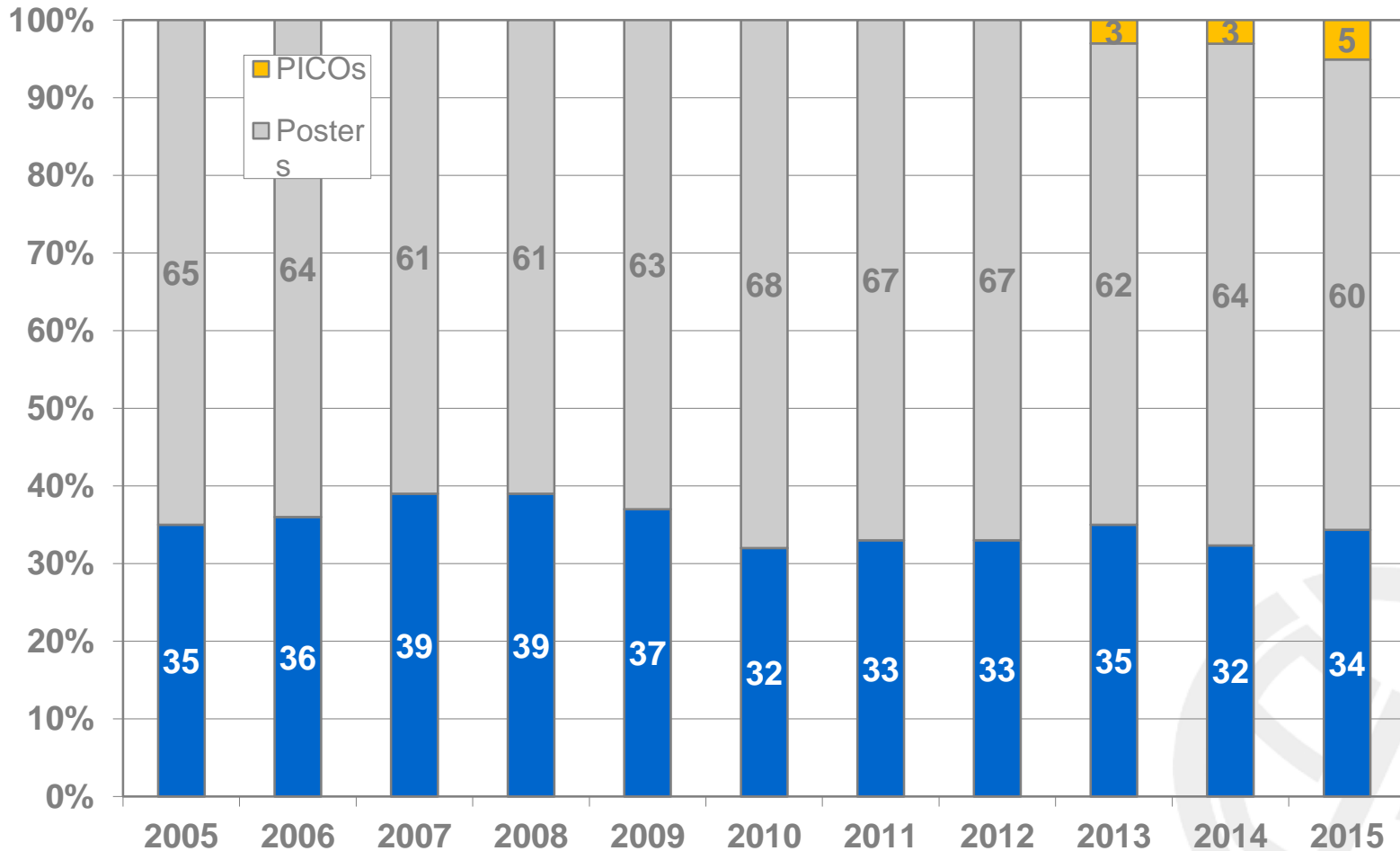


## Papers in programme 2005–2015



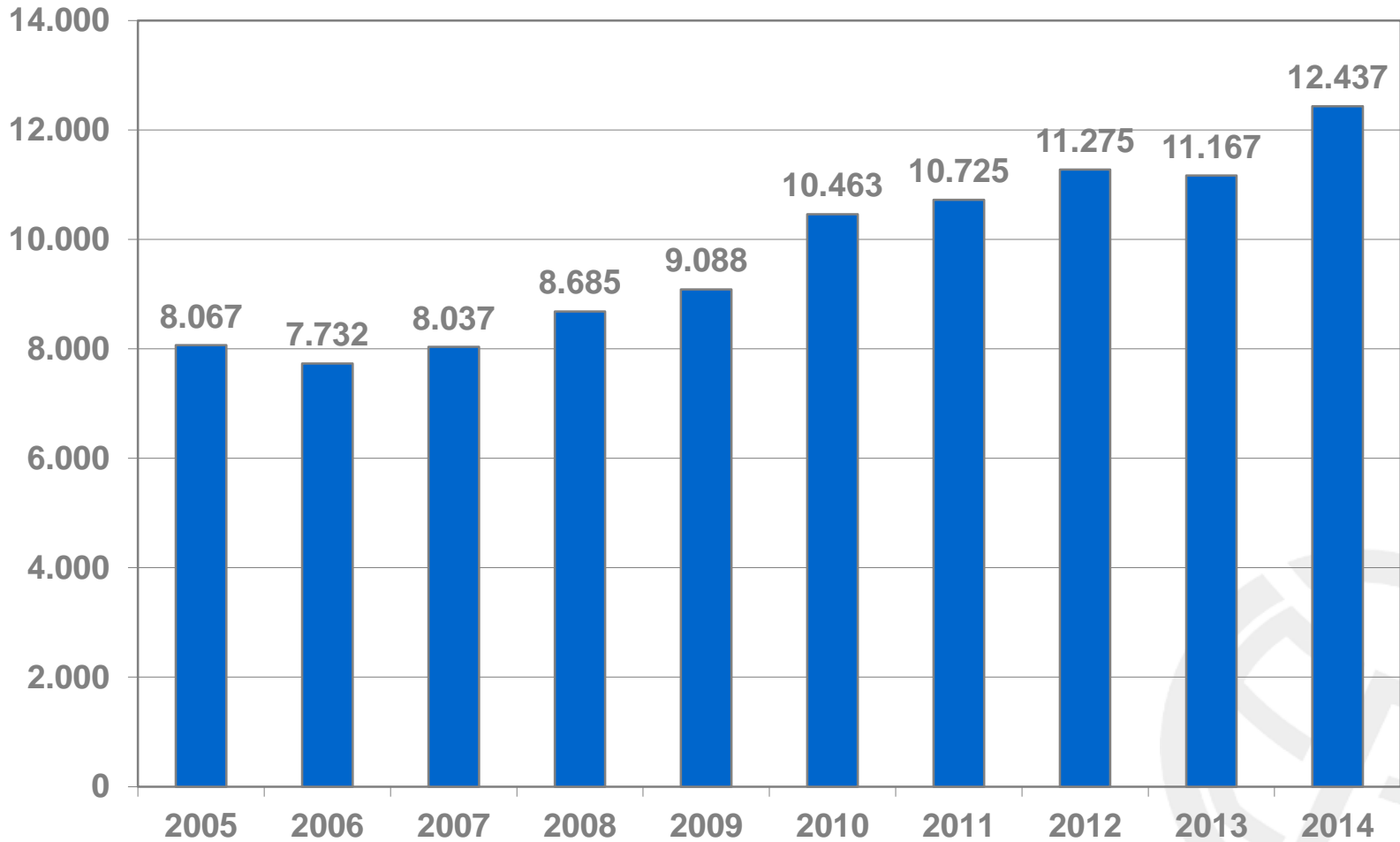


## Presentation ratio 2005–2015





## Participants at EGU Assemblies 2005–2014







# Geodesy Sessions 2015

- G1.1:** Recent Developments in Geodetic Theory
- G1.2:** [Mathematical methods for the analysis of potential field data and ...](#)
- G1.3:** High-Precision GNSS Algorithms and Applications in Geosciences
- G2.1:** The Global Geodetic Observing System: Unifying Geodesy in ...
- G2.2:** The International Terrestrial Reference Frame: Elaboration, Usage ...
- G3.1:** [Recent advances in the modelling and observation of glacial ...](#)
- G3.2:** [Exploiting spaceborne geodetic sensors for hydro-geodesy, ...](#)
- G3.4:** Earth Rotation: Theoretical aspects, observation of temporal ...
- G3.5:** [Monitoring and modelling of geodynamics and crustal deformation: ...](#)
- G4.1:** [Acquisition and processing of gravity and magnetic field data and ...](#)
- G4.2:** Satellite Gravimetry: GRACE, GOCE and Future Gravity Missions
- G5.1:** [Observation-based modeling of the ionosphere - from Sun to Earth](#)
- G5.2:** [Atmospheric Remote Sensing with Space Geodetic Techniques](#)
- G6.1:** [Open session on geodesy](#)



# Session Overview

Number	Session	Title	co-org.	abstracts 2015	abstracts 2014	difference	oral slots	orals	pico	post.	ratio
1	G1.1	Recent developments		18	27	-9	1	6	0	12	0,33
2	G1.2	Math methods		17	21	-4		0	17	0	0
3	G1.3	GNSS algorithms		30	42	-12	2	12	0	18	0,40
4	G2.1	GGOS		24	25	-1	1	6	0	18	0,25
5	G2.2	ITRF		32	30	2	2	12	0	18	0,38
6	G3.1	GIA and related processes	x	16	32	-16	1	6	0	10	0,38
7	G3.2	Hydro, ocean, cryo	x	32	30	2	2	12	0	20	0,38
8	G3.4	Earth rotation		18	23	-5	1	6	0	12	0,33
9	G3.5	Wegener	x	21	0	21	1	6	0	15	0,29
10	G4.1	Gravity and magnetic field	x	29	49	-20	1	6	0	23	0,21
11	G4.2	Satellite gravimetry		45	51	-6	3	18	0	27	0,40
12	G5.1	Ionosphere modelling	x	19	16	3	1	6	0	13	0,32
13	G5.2	Atmosphere remote sensing	x	27	30	-3	1	6	0	21	0,22
14	G6.1	Open session in geodesy		5	4	1		0	5	0	0,00
		other sessions in 2014		0	10	-10					
				<b>333</b>	<b>390</b>	<b>-57</b>	<b>17</b>	<b>102</b>	<b>22</b>	<b>207</b>	

Rules for oral slots in 2015, #abstracts around February, 6th:

- 15 abstracts: 1 oral slot,
- 30 abstracts: 2 oral slots,
- 45 abstracts: 3 oral slots



# Session Plan 2015

## Final Plan: All oral sessions at Green Level (first floor)

Time Block	Mo	Tu	We	Th	Fr	
1: 08:30-10:00		4.2		2.2	3.2	2.1
2: 10:30-12:00	1.2	4.2		2.2	3.2	5.1
12:15-13:15				DM		
3: 13:30-15:00	6.1	4.2	5.2	3.5	1.3	3.1
4: 15:30-17:00			4.1	3.4	1.3	1.1
5: 17:30-19:00		4.1, 4.2, 5.2		2.2, 3.4, 3.5		1.3, 3.2
6: 19:00-20:00				AC	VM	
	Room G9 (345 seats)		VM = Vening Meinesz medal lecture (Room G11, 311 seats)			
	Room G12 (116 seats)		DM = Geodesy division meeting (Room G12)			
	PICO Spot 2 (64 seats)		AC = Awards ceremony			
	PICO Spot 1 (130 seats)					
	Posters					



## Call for sessions 2016

- Skeleton **could** be based on successful sessions at EGU 2015
- **Important:** each EGU member can
  - propose new sessions,
  - modify existing sessions.
- Proposals send by **mid of September** 2015:
  - no overlapping or similar topics; should be merged
  - up-to-date topics
  - realistic topics to attract enough contributions
  - number of sessions reasonable?





# Call for sessions 2016

- **Programme committee:**
  - division president,
  - deputy presidents,
  - Young Scientist Representative,
  - 1-2 others to cover the whole field of geodesy





## Additional remarks for session planning 2016

- Think again about proposing **co-organized** sessions – **this is the way to strengthen the interdisciplinary character of EGU.**
- In such a case there should be at least one **co-convener** from the co-organizing sessions/divisions; e.g.:  
*A session with Geodesy lead and Hydrological Sciences (HS) as co-organizing division should have the main convener from geodesy and at least one co-convener from HS.*
- The **total number** of sessions should be around **12** (better 10 than 14) – larger and stronger sessions, larger rooms.
- Think about proposing **PICO** sessions – makes independent on oral slots.



## Additional remarks for session planning 2016

- For the **choice of conveners** the
  - **gender diversity** (i.e. are there one or more women as Conveners?),
  - **diversity in countries/institutes**, and the
  - **inclusion of younger scientists** should be considered **strongly**.
  - **Especially the established sessions should add young (co-)conveners to the conveners group.**
  - **A minimum of three conveners** is generally desirable.



# Medals and Awards

## Vening-Meinesz Medal

This medal has been established by the Division on Geodesy in recognition of the scientific achievements of **Vening Meinesz**.

It will be awarded by the EGU for distinguished research in Geodesy.







# Previous Vening-Meinesz medallists

2015

See next slide!



2014

Reinhard Dietrich



2013

Zuheir Altamimi

2012

Che-Kwan Shum



2011

Harald Schuh



2010

Philip L. Woodworth





# 2015 Vening-Meinesz Medal: Geoffrey Blewitt

The 2015 Vening-Meinesz Medal is awarded to Geoffrey Blewitt for his pioneering developments in geodetic theory, for advancing the Global Positioning System (GPS) for scientific research and applications, and for his outstanding contributions in applying geodesy to study geophysical and climate processes.



Division Medal Ceremony and the Medal Lecture will be on Thursday,  
16.4.2015, 19:00-20:00, Room G11

**WELCOME**

Title: **Three decades of harnessing the GPS data  
explosion for geophysics?**





# Division Outstanding Young Scientists Award

The Division Outstanding Young Scientist Award recognizes scientific achievements in the field covered by the related Division, made by a young scientist.





# 2015 Division Outstanding Young Scientists Award:

## Krzysztof Sośnica

The 2015 Division Outstanding Young Scientists Award is awarded to Krzysztof Sośnica for his innovative contributions in combining Satellite Laser Ranging and Global Navigation Satellite Systems to improve the quality of geodetic key parameter estimates.



Presentation is given now

Title: **Contribution of Satellite Laser Ranging to Space Geodesy**





## Call for nominations

- Nominations for all the medals and Union Service Award are to be sent to the e-mail address [awards.medals@egu.eu](mailto:awards.medals@egu.eu) by **15 June** of each year (absolute deadline) in pdf format. Only EGU members can submit nominations.
- Nominations for the Outstanding Young Scientist Award are to be sent to the e-mail address [awards.medals@egu.eu](mailto:awards.medals@egu.eu) by **15 June** of each year (absolute deadline).
- See <http://www.egu.eu/awards-medals/proposal-and-selection-of-candidates.html> for details
- (reminder will be send by me mid of May)



## Additional information for nominations

- If only one nomination is received for a ... Division medal, the ... Medals Committee will assess the merits of the candidate and may seek the help of external peers to ensure that the candidate is high profile and deserving.
- **The EGU reserve the right to not confer the medal when there is only one nomination.**

**I recommend - as it happened in the last 2 years - to submit more than one nomination for the Division Medal and the Awards.**



# EGU 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 form of a poster.”

Awarded in the Divisions, based on evaluation of Judges during the poster sessions.

The **awardees receive**

- a conference fee waiver for the next EGU General Assembly and
- are invited to submit a paper free of publication costs to one of the [EGU journals](#).

At the Division meeting of the respective division held at the next General Assembly, each awardee receives an award certificate.





## EGU2014 OSP Award Winners G

# Adria Rovira-Garcia

The 2014 Union Outstanding Student Poster (OSP) Award is given to Adria Rovira-Garcia for his poster entitled:

*Fast-PPP assessment in European and equatorial region near the Solar Cycle maximum*

(Rovira-Garcia, A.; Juan, J. M.; Sanz, J.)







# Structure of Geodesy Division

**President:** Michael Schmidt (2013-2017)

- Re-elected for the second 2-years term in November 2014

**Deputy presidents** (appointed for terms of 2 years, period 2013-2015):

- Johannes Böhm
- Johannes Bouman





# Structure of Geodesy Division

**President:** Michael Schmidt (2013-2017)

- Re-elected for the second 2-years term in November 2014

**Deputy presidents** (appointed for terms of 2 years, next period 2015-2017):

- Johannes Böhm
- **Adrian Jäggi**





# Structure of Geodesy Division

**Young Scientist Representative (YSR):** appointed for a term of 2 years, period 2014-2016

- Roelof Rietbroek

Candidates for YSR

- have to meet the EGU YS criteria,
- will be selected by the division/programme group,
- Length of term is 2 years, the ability to renew depends on the age of the candidate.

Consequently, **next year** we need candidates for a new YSR.





# Young (or early career) scientists in the Geodesy Division

Union Definition of a Young Scientist:

The nominee should satisfy both of the following two criteria by 1 January of the year when the award is presented:

1. be in age 35\* or younger,
2. 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\*.

\* Where appropriate, up to one year of parental leave time may be added per child.



# Young (or early career) scientists in the Geodesy Division

Aim: improve participation of the Young scientists in EuroGeoscience activities

- How? → YS Forum (Yesterday)
- Very active bunch (Contagious)
- Regular Meetings
  - In person during the EGU
  - Skype chat (roughly every 2-3 months)

We discuss: YS definition & criteria, feedback survey results, EGU Blogs, outreach activities, YS Awards & travel grants, encouraging open science,...



## EGU blog

<http://blogs.egu.eu/divisions/g/>

- Contributions welcome
- Not just for 'young' scientists!

## Organization of events

- Short course on presentation feedback last Tuesday
- Do you want to help organizing events? ask me!

Facebook?, twitter?



EGU Blogs » Divisions » Geodesy

## Geodesy

Should we, as session conveners, have an expiry date?

Roelof Rietbroek · February 4, 2015



EGU General Assembly in Vienna. Photo J. Kusche

### ABOUT

Welcome to the blog of the Geodesy (G) Division of the European Geosciences Union (EGU). The blog serves to keep you posted on current research, news from the division and interesting geodesy-related topics in general. It will also give room to feature young (early-career) scientists and their science. The blog is maintained by Roelof Rietbroek, young scientist representative of the division, cooperating closely with the geodesy division president and deputy presidents.

### EGU DIVISION BLOGS

AS CL CR G GM SM SSS

### EGU NETWORK BLOGS



Roelof Rietbroek @r\_rietje · 20h

This is going to be fun for young & 'old' scientists. Stop by the presentation SC tomorrow morning in room B4. #EGU15

**Visit the Presentation Feedback Round**  
Tue, 14 Apr, 08:30–10:00 (SC33, Room B4)

**YOUR CONFERENCE PRESENTATION**

**HOW YOU PLANNED IT:**

**HOW IT GOES:**

Comic: "Piled Higher and Deeper" by Jorge Cham, www.phdcomics.com

9 2



Roelof Rietbroek @r\_rietje · 32m

A great thanks to all our participants, who made this a cosy and valuable meeting. We wish you all the best with your #EGU15 talks!!



# Structure of Geodesy Division

According to §7.5: Besides Division President and Deputy Presidents each division may have other **division officers**.

Currently we have (see our geodesy webpage <http://g.egu.eu>, has to be updated urgently)

- Programme committee
- Officers for Awards & Medals
- Members of the OSP committee
- Young Scientist Representative (YSR)

We further need:

- Webmaster





## Approval of the Medal and Award committees

- **Vening-Meinesz Medal committee:**

four past medalists + *ex officio* Geodesy Division President and EGU Award committee chair (both non-voting). Second-year medalist is chairing the committee.

2016 committee members: *Geoff Blewitt* (1), *Reinhard Dietrich* (2, chair), *Zuheir Altamimi* (3), *C.K. Shum* (4)

*ex officio: Michael Schmidt, Alberto Montanari*

- **Outstanding Young Scientist Award:**

Division president + deputy presidents + latest medalist

- **Outstanding Student Poster Award:**

Division president + deputy presidents

Committees  
approved  
unanimously by the  
Division meeting





# Other items

## Location of future EGU - GAs

For the following dates, preliminary bookings have been made at the Austria Center Vienna:

13 – 17 April 2015

25 – 29 April 2016

08 – 12 May 2017

23 – 27 April 2018

15 – 19 April 2019

30 March – 03 April 2020

19 – 23 April 2021

04 – 08 April 2022

17 – 21 April 2023

15 – 19 April 2024





# Communication Activities at the Assembly

## EGU Today

- EGU Today is a daily newsletter highlighting interesting workshops, lectures and GeoCinema screenings, amongst activities at the Assembly
- Paper copies will be distributed daily and are available to download at [www.egu2015.eu/egu\\_today](http://www.egu2015.eu/egu_today)

## Blogs

- GeoLog, the EGU Blog Network & EGU Division Blogs will be sharing great sessions, research, interviews and more throughout the Assembly
- Follow them at [geolog.egu.eu](http://geolog.egu.eu) and [blogs.egu.eu](http://blogs.egu.eu)

## Social Media

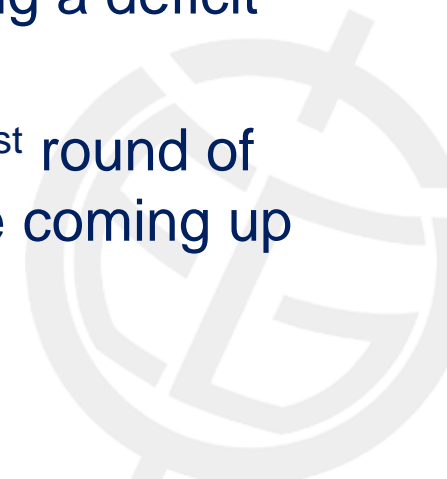
- Sessions will be advertised on Twitter (@EuroGeosciences) and Facebook (European Geosciences Union)
- Participants can ask questions & keep updated by following #EGU15



# 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 organisational 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. “Deadline” for 1<sup>st</sup> round of applications **November 30<sup>th</sup> 2015** (submission page coming up in summer); more details at:  
<https://www.egu.eu/meetings/galileo-conferences/>





## Other items (feedback)

- **Sizes of lecture rooms: The two rooms G9 and G12 assigned to the G-division are quite fine in general. However, the smaller one, G12, was in case of a few sessions too small, especially for the Session G2.2 on Wednesday morning: 150 or 200 seats would be better than 116.**
- **As was already remarked last year, in G12 it would be fine to have two screens instead of one. In this case, more seats could be placed in the room and the pillars would not affect the sight line.**
- **The two Pico session in Geodesy worked well - except on some computer problems on Monday morning.**
- **The organization was very good - the student workers seem to be competent and made a good job.**