



# GI-Division Business Meeting 14.4.2015

## Agenda

- Welcome
- EGU GA2015 facts
- GI Session Status 2015
- GI-Journal
- Election of GI-Deputy Division President
- Medal Division facts and actions
- Outstanding Student Poster Initiative
- Young Scientist Representative
- Election / Confirmation of Division Officers
- Any other business / EGU-service advertisement





# Welcome

**Our sincere thanks to Walter Schmidt,  
the outgoing Division President for his  
exceptional work in the past four years  
and my personal ones for having  
helped me very much in this period.**





# EGU General Assembly 2015 facts

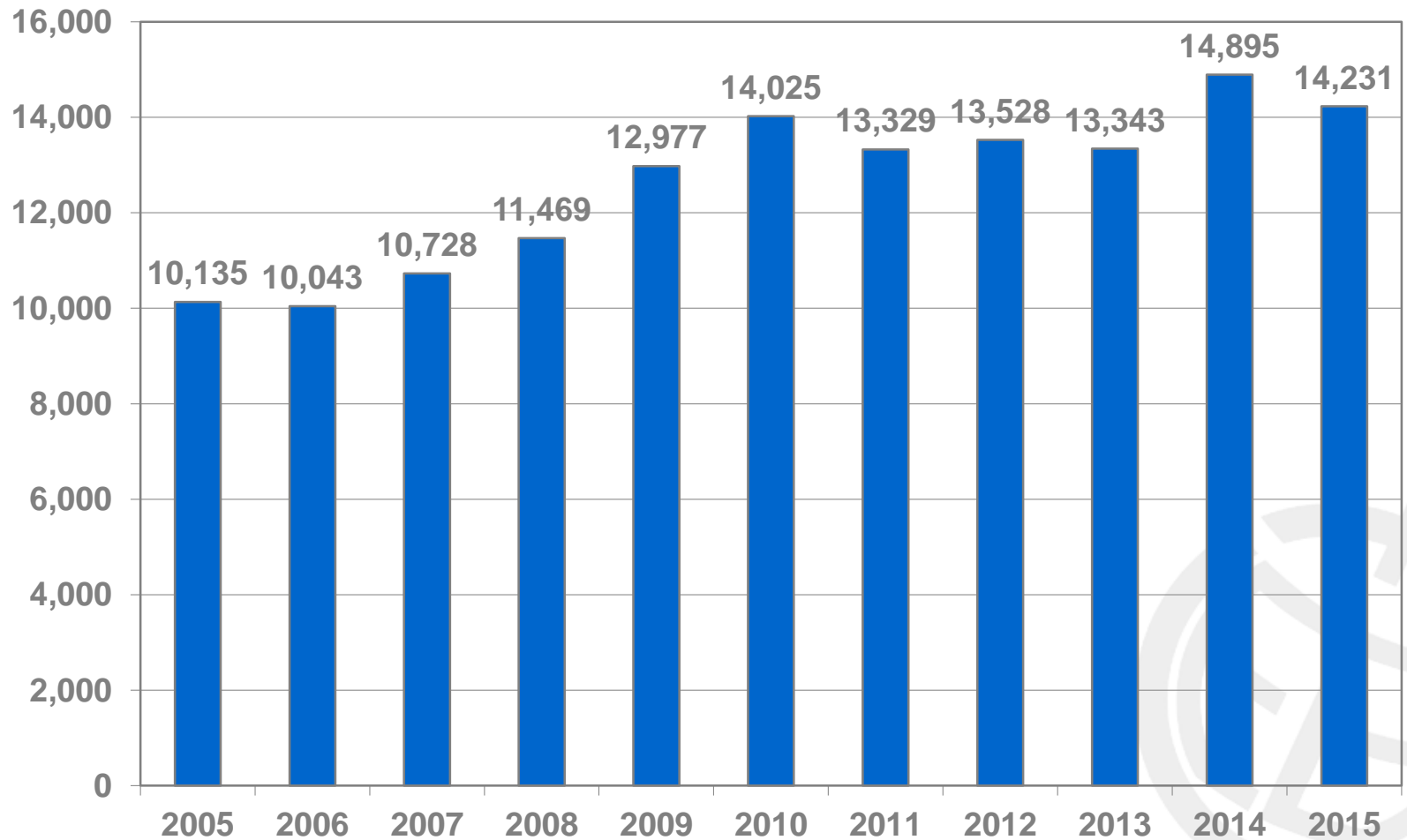
As of 07 April, the Assembly 2015 provides:

- 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)



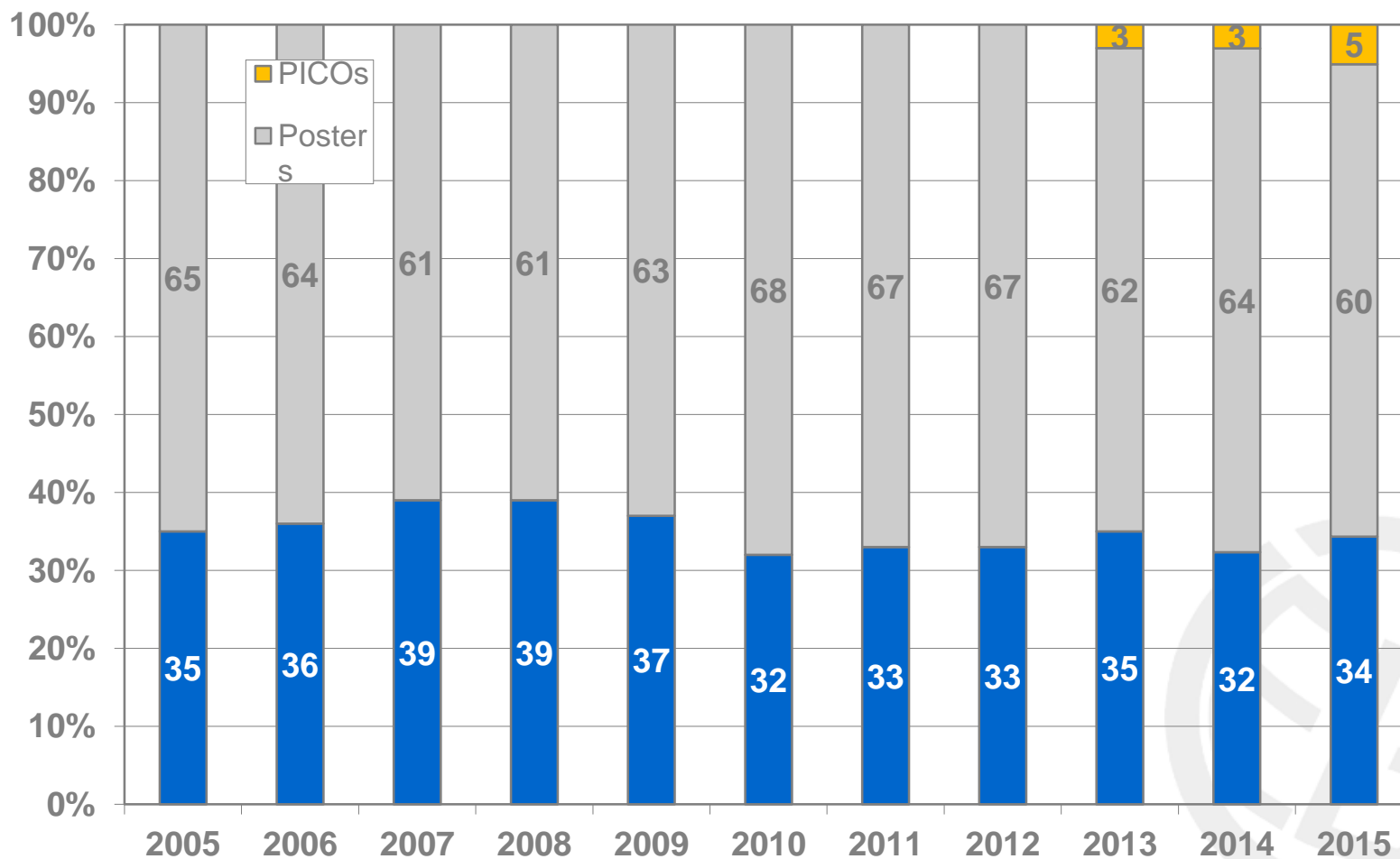


## Papers in programme 2005–2015



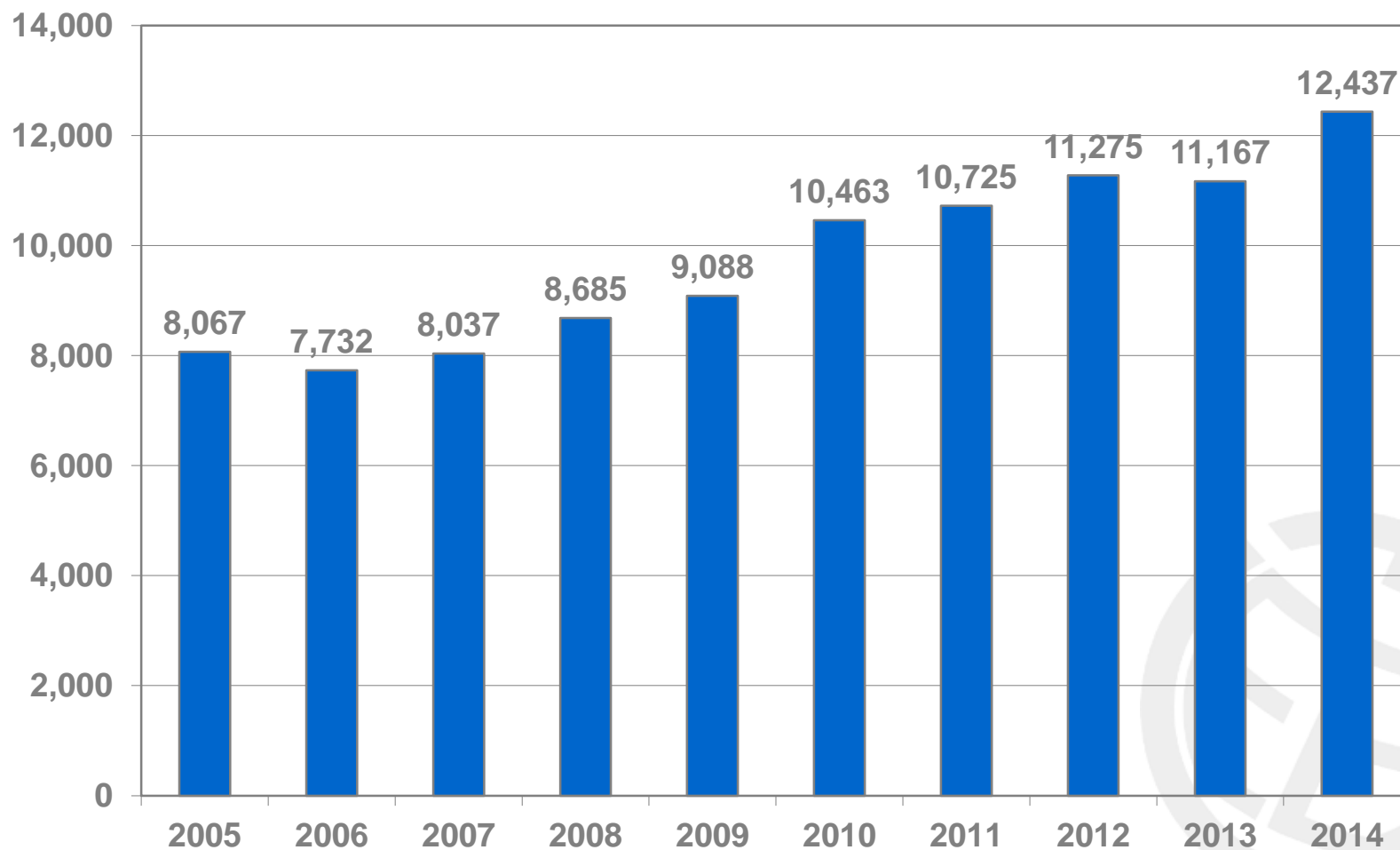


## Presentation ratio 2005–2015





## Participants at EGU Assemblies 2005–2014





## GI Sessions 2015

**Total:** 465 abstracts (-11.2% with respect to GA2014 and + 7% with respect to GA2013)

oral: 29% distributed over 26 oral slots and 20 Sessions (15 co-organized)

PICO: 11%

poster: 60%

**History:**

2014:	524 (18 oral slots)
2013:	435 (20 oral slots)
2012:	335 (14 oral slots)
2011:	305
2010:	180

**Red** marked session are co-organized with other divisions





## GI Sessions 2015

**GI0- General Sessions on Geoscience Instrumentation  
(3 Sessions with 2 co-organized)**

**GI0.1 Open Session on Geosciences Instrumentation and Methods**

**GI0.2 Combining research in geophysical and Earth processes:  
advances in multidisciplinary geosciences**

**GI0.3 History of Geophysics**







# GI Sessions 2015

## GI1- Data networks and analysis

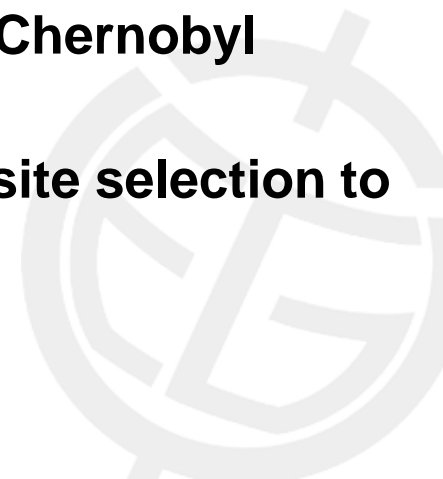
**(4 co-organized sessions)**

**GI1.1** Integrated Research Infrastructures and Services to users:  
supporting excellence in a science for society

**GI1.3** Applications of Data, Methods and Models in Geosciences

**GI1.4** Geoscience processes related to Fukushima and Chernobyl  
nuclear accidents

**GI1.5** Improving seismic networks performances: from site selection to  
data integration





## GI Sessions 2015

**GI2- Atmosphere and ocean monitoring, space instrumentation**

**(10 Sessions with 9 co-organized)**



**GI2.1 Atmospheric and Meteorological Instrumentation**

**GI2.2 Lidar and Applications**

**GI2.3 MAX-DOAS: Towards vertical profiles of aerosols and tropospheric trace gases**

**GI2.4 Aircraft-based observation of the atmosphere and atmosphere-surface exchange processes**

**GI2.5 Advanced Spectroscopic Measurement Techniques for Atmospheric Science**

**GI2.8 Space Instrumentation, Planetary landers and Rovers**

**GI2.9 Scientific Exploitation of Copernicus Sentinels – EO Research and Innovation**



## GI Sessions 2015

### GI2- Atmosphere and ocean monitoring, space instrumentation



**GI2.10** New missions and techniques for planetary exploration

**GI2.12** Instrument Design and Development

**GI2.13** Nano-satellites deployed from carrier spacecraft - a paradigm shift in planetary sciences?





## GI Sessions 2015

### **GI3- Earth surface investigation methods (3 Sessions)**

**GI3.1 Civil Engineering Applications of Ground Penetrating Radar**

**GI3.3 Sensing techniques, geophysical methods, sensor network architectures and data analysis methods for critical and transport infrastructures monitoring and diagnostics**

**GI3.4 From Artefact to Historical Site : Geoscience and Non-Invasive Methods for the Study and Conservation of Cultural Heritage**



# Journals GI and GID

## ***Geoscientific Instrumentation, Methods and Data Systems***

EGU's 15th Open Access Journal

Aims and Scope:

- ❖ *Concepts, design and description of instrumentation and data systems*
- ❖ *Retrieval techniques of scientific products from measurements*
- ❖ *Major national and international field campaigns*
- ❖ *New observational strategies*
- ❖ *Networking of instruments etc*

Currently no abstract charges

- **Fast publishing as citable discussion paper (~ 1-2 weeks)**
- **Public referee process**
- **Fast publishing after referee process in refereed GI journal (~3-4 months)**

<http://www.geoscientific-instrumentation-methods-and-data-systems.net>

*(new version of the website)*



# GI-Journal Status 2015

GI: Volumes 2012, 1.1 and 1.2: 238 pages, 20 articles

Volumes 2013, 2.1 and 2.2: 348 pages, 35 articles

Volume 2014, 3.1 and 3.2: 254 pages, 21 articles

**Volume 2015 4.1: 80 pages, 8 articles (till half of March)**

GID: papers in open discussion: 4, total

Special issues:

*2012: High energy geophysics: muon and neutrino radiography*

*2013: Calibration methods and results of the in-situ experiments on Cluster and Double Star*

Free at least for 2015 (costs of about 23 400 €/2015 covered by EGU)

Abstracted/indexed ADS. Chemical Abstracts. CLOCKSS. CNKI. DOAJ. EBSCO. GeoRef. Google Scholar. J-Gate. Portico. World Public Library



# GI-Division Deputy President

The EGU by-laws require the nomination of a Deputy President for each division

## Tasks:

- Act as division president if he/she is unavailable for e.g. council meeting
- Support program committee activities

## Proposals / volunteers?





# Christiaan Huygens Medal 2014



Kristine Larson for her exceptionally innovative work to improve algorithms for high precision GPS data analysis and to develop new geoscience applications for GPS receiver instrumentation.

**ML11**

**Christiaan Huygens Medal Lecture by Kristine M. Larson**

**Wed, 15 Apr, 09:15–10:15 / Room B11**

**Convener: Walter Schmidt**

**The medal lecture with the title "GPS Can't Do That, Can It?" will be presented as part of the session GI0.1**







# Christiaan Huygens Medal (GI)

## Medal Committee

### Proposal:

Chairman: Christoph Waldmann

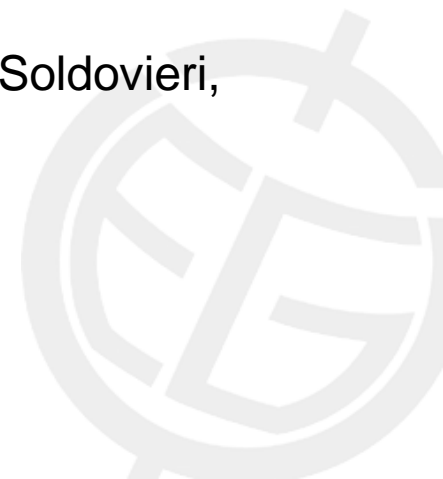
**Current Members** Christoph Waldmann (3rd term), (atmosphere-related instrumentation)  
Günther Kargl (1st term), (space instrumentation)  
Jens Klump (2nd term), (data assimilation)  
Lara Pajewski (1st term), (ground penetrating radars)  
Francesco Soldovieri, (1st term), (instrum. for infrastructure monitoring)

### Proposed new members:

Kristine M. Larson as replacement of Francesco Soldovieri,  
which as Division President becomes an ex-officio member

**Unexpected necessity to appoint the new Chairman**

**Proposals/volunteers ?**





## Christiaan Huygens Medal

The Christiaan Huygens Medal has been established by the Geosciences Instrumentation and Data Systems Division to recognise significant contributions in the fields within the scope of the division. The medal will be awarded to an individual for an innovation, development or discovery that has had major impact in its field, or for a series of contributions, during an extended period, that has led to significant progress.

The medal has been exclusively designed for the EGU by József Kótai.



## Christiaan Huygens Medallists



2015

Kristine M. Larson



2011

Martin Hürimann



2010

Jean-Loup Bertaux



2009

Valery Korepanov



2008

Horst Uwe Keller

Proposals for nominations 2015 have to be submitted to the Council by June 15!!  
Details on the EGU web-site <http://www.egu.eu>

-> *Awards & Medals*

Nomination letter:

1 page

Curriculum Vitae:

=> [awards.medals@egu.eu](mailto:awards.medals@egu.eu).

Selected biography:

2 pages

Supporting letters:

3-5



# Outstanding Student Poster Award 2014

## Geosciences Instrumentation and Data Systems

The 2014 Outstanding Student Poster (OSP) Award is awarded to Anne Dreißigacker for the poster entitled:

*Development of Standard Samples for on-board Calibration of a New Planetary Fluorescence Spectrometer*

(Dreißigacker, A.; Köhler, E.; Fabel, O.; van Gasselt, S.; Meyer, M.)

The awarded poster presents the x-ray spectrometer calibration technique with indirect solar monitor, some characteristics of the x-ray fluorescence spectrometer under construction, and the different steps of reference target development



# Outstanding Student Poster Initiative

**GI-OSP coordinator: Misha Krassovski**

**This year 10 from GI participated.**

## Criteria for Application

Students that:

are first author and personally present the poster at the conference;

satisfy one of the following criteria:

are a current undergraduate (e.g., BSc) or postgraduate (e.g., MSc, PhD) student;

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.

**<https://www.egu.eu/awards-medals/union-osp-award/>**



# Young Scientist Representative

## Young Scientists

The EGU offers a platform for young scientists to become involved in interdisciplinary research in the Earth, planetary and space sciences, through sessions, social events and short courses at the annual General Assembly in April.

## What is a young scientist?

The EGU definition of a young scientist is a scientist who is 35 years old\* or younger, who can be an undergraduate or postgraduate (Masters/PhD) student or who has received his or her highest degree (e.g., BSc, MSc, PhD) within the past seven years\*.

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

**Any Division can appoint a YS representative.**

<https://www.egu.eu/young-scientists/get-involved/>



## Young Scientist Representative

**Young scientist representatives** are a crucial link between the EGU and the young scientist community. They are vital in providing feedback from students and early career researchers, so that we can take action to improve our young scientist activities at the EGU General Assembly and maintain our support for young scientists throughout the year.

Within each scientific division, representatives can also take on a variety of tasks, according to their areas of expertise and interest. These 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.

**Proposals / volunteers?**



## Science Officers

<b>Science Officers</b>	Bernard Celerier <i>Downhole Instrumentation</i>	<a href="mailto:bernard.celerier@qm.univ-montp2.fr">bernard.celerier@qm.univ-montp2.fr</a>
	Andriy Marusenkov <i>Electromagnetic and Acoustic Sounding</i>	<a href="mailto:marand@isr.lviv.ua">marand@isr.lviv.ua</a>
	Marina Diaz-Michelena <i>Space instrumentation</i>	<a href="mailto:diazma@inta.es">diazma@inta.es</a>
	Torben Mikkelsen <i>Ocean and Atmosphere Instruments</i>	<a href="mailto:torben.mikkelsen@risoe.dk">torben.mikkelsen@risoe.dk</a>
	Nicola Masini <i>Cultural and Archeological Heritage</i>	<a href="mailto:n.masini@ibam.cnr.it">n.masini@ibam.cnr.it</a>
	A.-M. Harri <i>Instrumentation for Polar Regions and Harsh Environment</i>	<a href="mailto:ari-matti.harri@fmi.fi">ari-matti.harri@fmi.fi</a>
	Jean Dumoulin <i>Infrastructures instrumentation and monitoring</i>	<a href="mailto:jean.dumoulin@ifsttar.fr">jean.dumoulin@ifsttar.fr</a>
	Jens Klump <i>Data systems and Publishing</i>	<a href="mailto:jklump@qfz-potsdam.de">jklump@qfz-potsdam.de</a>



# Possibility of a theme for GA2016

Do you want to have a theme  
(i.e., **Active Planet**)  
at the next General Assembly 2016  
yes or not ?







# 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.
- EGU is partly sponsoring the event. Financial loss or benefit go to EGU.
- 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).
- Submission from September 1<sup>st</sup>, 2015



# EGU Outreach

Blog: GeoLog (EGU Blog):

<http://egugeolog.wordpress.com/>

Twitter: <http://twitter.com/#!/EuroGeosciences>

Facebook:

<http://www.facebook.com/EuropeanGeosciencesUnion>

Google+:

<https://plus.google.com/112236443134762171940/posts>

LinkedIn:

<http://www.linkedin.com/company/european-geosciences-union>

Image site (open access geosciences image repository) :

<http://www.imaggeo.net>





## Communication Activities at the Assembly

### EGU Today

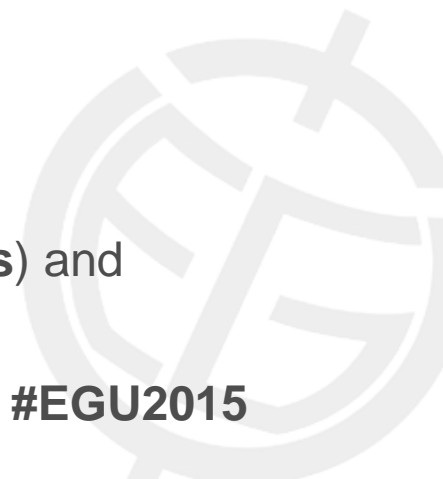
- EGU Today is a daily newsletter highlighting interesting workshops, lectures and GeoCinema screenings, amongst activities at the Assembly
- Paper copies will be distributed daily and are available to download at [www.egu2015.eu/egu\\_today](http://www.egu2015.eu/egu_today)

### Blogs

- GeoLog & the EGU Blog Network 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 **#EGU2015**





## Meetings Calendar

- A hub of information on conferences and workshops in the geosciences. Add your meeting at [www.egu.eu/meetings/calendar/form](http://www.egu.eu/meetings/calendar/form)

## Awards & Medals

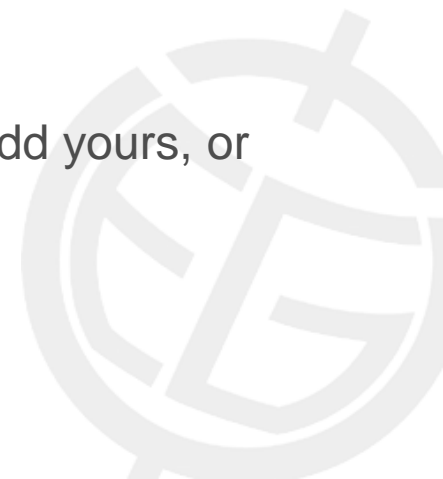
- Nominations are open until 15 June [www.egu.eu/awards-medals](http://www.egu.eu/awards-medals)

## Young Scientists

- Young scientists (YS) can find out how to get involved in the Union & benefit from our YS resources at [www.egu.eu/young-scientists](http://www.egu.eu/young-scientists)

## Jobs

- We advertise geoscientific jobs for free at [www.egu.eu/jobs](http://www.egu.eu/jobs) add yours, or look for a new position





## Co-Sponsoring Programme

- There are two opportunities to get your meeting sponsored: 15 Jun – Jul 2014 & Dec 2014 – 15 Jan 2015: [www.egu.eu/meetings/support-request](http://www.egu.eu/meetings/support-request)



### EGU High International School on Geophysical Prospecting and Remote Sensing for Archaeology and Cultural Heritage

Pompeii, 5-9 October 2015.

The tremendous availability of near and remote sensing technologies has opened new challenging prospects for their use in the field of cultural heritage, not only for probing the subsurface to unveil sites and artifacts, but also for the management and valorization as well as for the monitoring and preservation of cultural resources. These technologies complemented by aircraft and ground studies, satellite from active and passive sensors are providing, on certain archaeological sites, clearer insights into the environmental changes caused by the nature and those caused by human activities.

This school aims to provide both a theoretical and practical insight on the correct use of the main geophysical instrumentations and techniques, namely Ground Penetrating Radar, Magnetometry and Georesistivity, and remote sensing (from optical to SAR) for applications in the field of cultural heritage. The emphasis will be given on data collection, processing and integration, with particular reference to the applicative fields of archaeological prospecting and diagnostic and monitoring of historical building. Both classes and demonstrations in the field will be delivered.

#### The course will be held in the archaeological site of Pompeii

The proposed event is framed in the context of the activities of EGU (European Geophysics Union) Division " Geosciences Instrumentation and Data Systems" and, in particular, the Science Office "Cultural and Archaeological Heritage"

Scientific Committee	Organizing committee
Nicola Masini Massimo Osanna Raffaele Persico	Nicola Masini Raffaele Persico Marilisa Riscione





# Any Other Business

- Administration: Send convener / officer e-mail address changes to me
- Advertisement for EGU Web-Calendar
- Advertisement for Topical Events (TE) activities, requesting support
- AOB ?





# GI Web-page

Web-address:

<http://www.egu.eu/inside-egu/divisions-and-present-officers/division-geosciences-instrumentation-and-data-systems/home.html>

## *Suggestions for contents?*

To the division president via: [gi@egu.eu](mailto:gi@egu.eu)





**Why not advertising a meeting you are organising in the EGU meetings calendar**

[www.egu.eu/meetings/calendar/](http://www.egu.eu/meetings/calendar/)

The screenshot shows the EGU Meetings Calendar page. At the top, there is a blue header with the EGU logo and the text "European Geosciences Union" and "Dedicated to the pursuit of excellence in the geosciences and the planetary and space sciences for the benefit of humanity." Below the header is a navigation bar with links for "General Assembly 2013", "Divisions", "Membership", "Contact", and "Login". On the right side of the header, there is a "Division Pages" dropdown menu and a map of Europe.

On the left side, there is a "Menu" section with a list of links: "Home", "About EGU", "EGU Structure", "Meetings", "Publications", "Outreach & Education", "News & Press", "Awards & Medals", "Membership", "Elections", "Collaborations", and "Jobs". A red arrow points to the "Meetings" link.

The main content area is titled "Meetings Calendar" and includes a "Show only EGU meetings" link and icons for calendar and RSS. Below this, there is a text block: "The following is a list of meetings, workshops, and conferences that may be of general interest. You may export the list of all upcoming events as an iCalendar file or subscribe to our meeting RSS feed. You can also export individual events by clicking the respective icon." A yellow highlighted box contains the text: "If you are interested adding a workshop, meeting, or conference to this list please use the [Meeting Submission Form](#)." A red arrow points to this text.

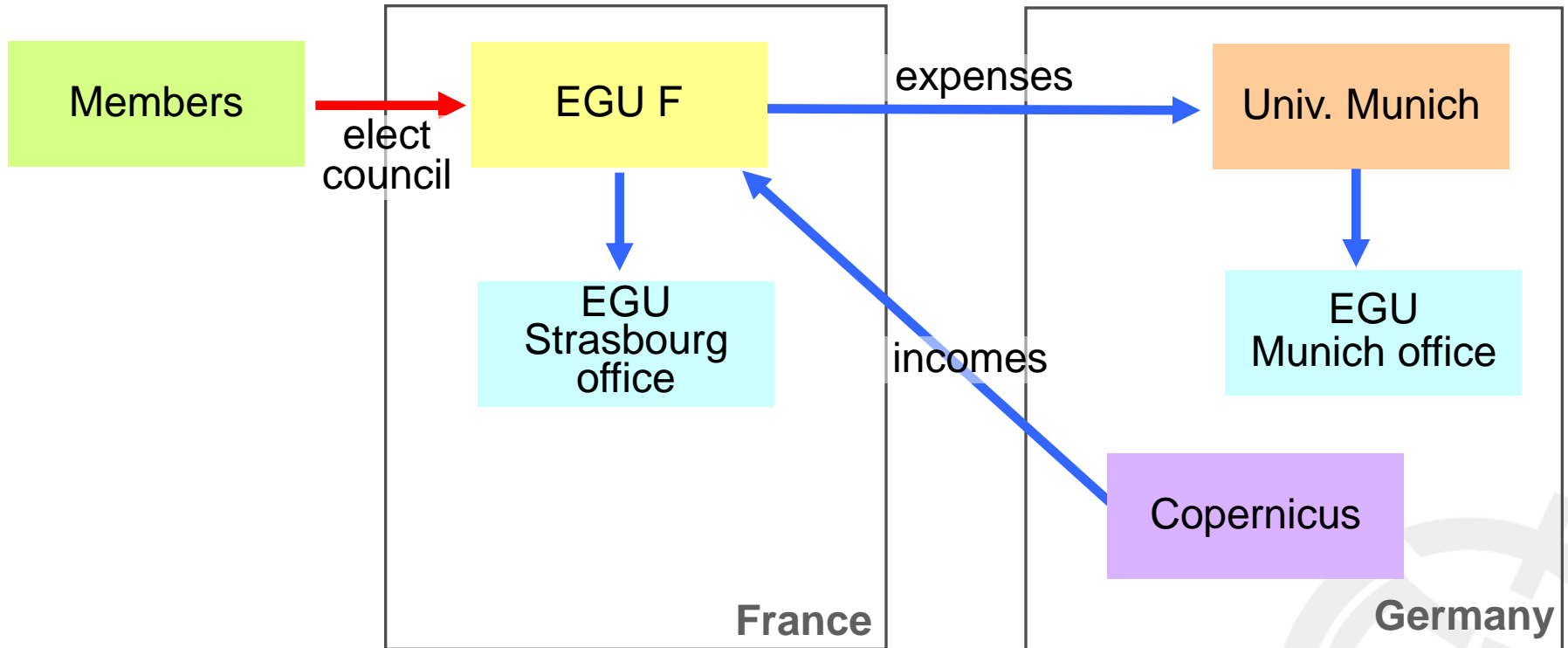
Below the highlighted box, there is a section for "Meetings 2013" with a sub-section for "April". The list of meetings includes:

- EGU General Assembly 2013  
Vienna, Austria  
07-12 April 2013
- 45th International Liege Colloquium on Ocean Dynamics  
Liège, Belgium  
13-17 April 2013
- Basalt 2013 - Cenozoic Magmatism in Central Europe  
Görlitz, Germany  
24-28 April 2013





## Current Setup of EGU



→ Decision

← Financial flows



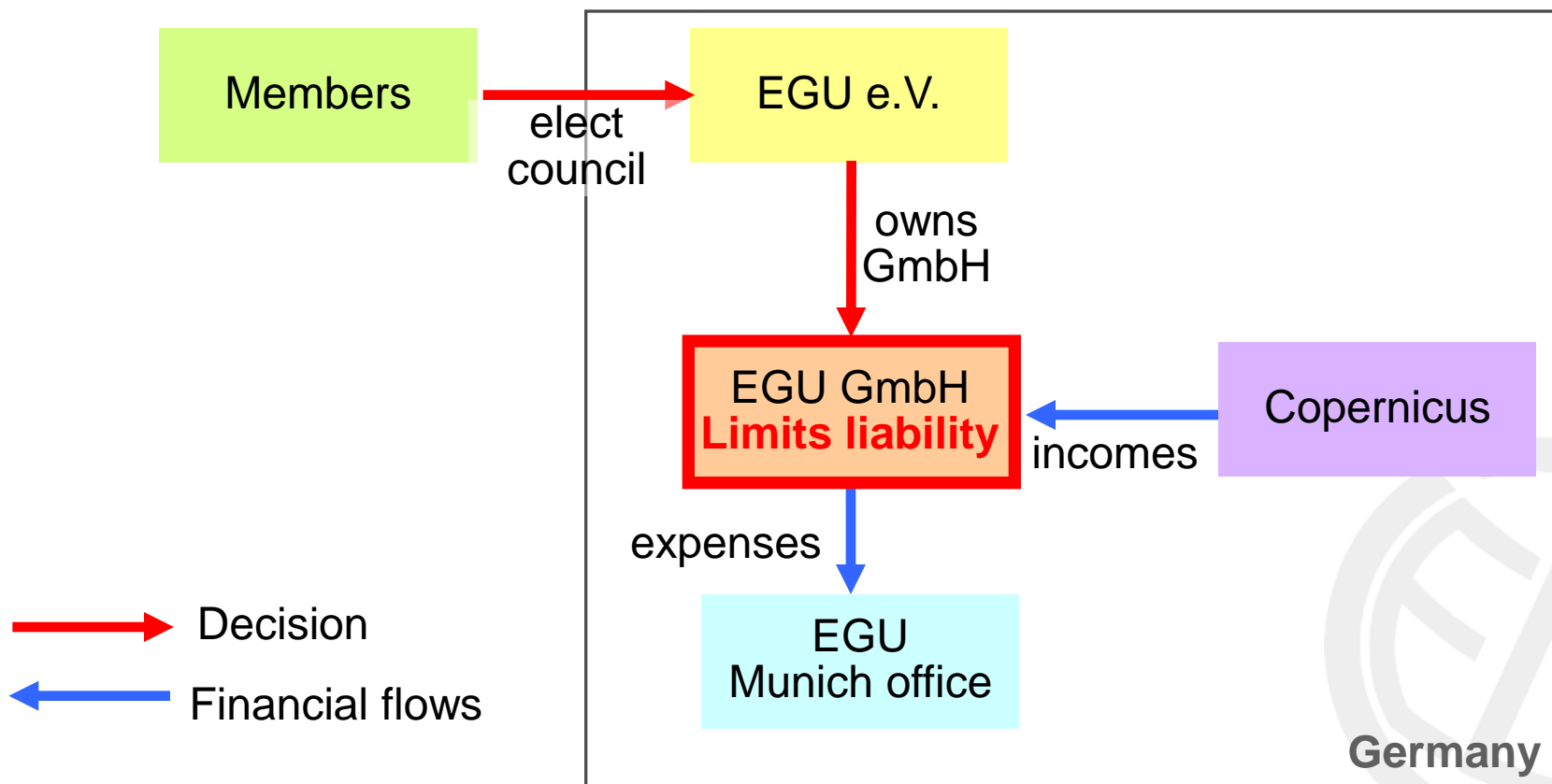
## Issues with current Setup

- EGU is 12 yrs old but still some **tentative** arrangements
  - EGU Council personally **liable** for any deficits/claims
  - office **staff hired** through Munich University
- Roland Schlich **retires** as a Treasurer → close Strasbourg office (but need office in country of registration)
  
- Need **consolidation** to ensure sustainability of EGU (maintain quality of meetings and journals)
  - **Register** EGU in Germany
  - Setup **Limited** company (GmbH) to remove liability of council members



# Planned setup of EGU

**EGU e.V.** is a non-profit association to be registered in Munich,  
**EGU GmbH** will be a business company registered in Munich.





## Planned setup of EGU

- 7 Feb. 2015: Foundation meeting of EGU e.V.
- May 2015: Registration of EGU e.V. in Germany
- July 2015: Registration of EGU GmbH in Germany
- Oct. 2015: Sign contract between EGU GmbH and Copernicus (effective as of 1 Jan 2016)
- Jan. 20XX: Current membership become members of EGU e.V.
- 20YY: Wind down EGU registered in France

- Council and Executive Board to handle setup
- **Nothing will change for EGU Members**

