



Division Meeting

Seismology

Division



EGU General Assembly 2015

Vienna/Austria, Wed 15 April 2015, room G3



Charlotte Krawczyk + Martin Mai | sm@egu.eu



Agenda / Topics

- Welcome
- Awards in the Seismology Division & Call for nominations 2016
 - Beno Gutenberg Medal 2015
 - Outstanding Student Poster 2014
 - Young Scientist Award
- Scientific Programme
 - GAs 2015 & 2016
- SM division structure
 - officers, vacancies, elections, etc.
- SM anti-aging programme
 - early career scientists' representative activities
- Foundation of *EGU e.V.*
- EGU-journal *Solid Earth*
- any other points of interest



Göran Ekström - Beno Gutenberg Medalist 2015



The 2015 EGU Beno Gutenberg medal is awarded to Göran Ekström for the outstanding contributions he has made to global earthquake seismology.

Göran is a pillar of modern seismology. His contributions to seismic sources and Earth structure are fundamental, his insight into seismic data is immense, and his passion for seismology is relentless.

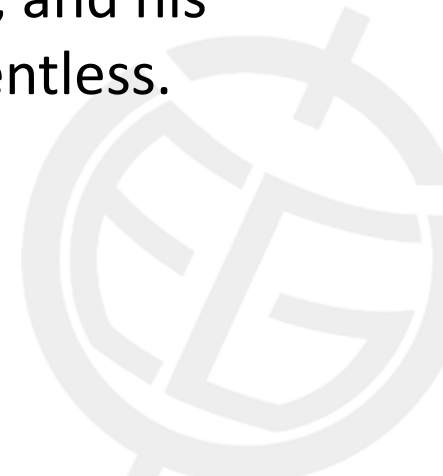
Prof. Göran Ekström

Columbia University

Department of Earth and Environmental Sciences

Lamont -Doherty Earth Observatory

New York / USA





Outstanding Student Poster (OSP) award

applicable to first authors who personally present the poster at the conference

criteria:

- current undergraduate (e.g., BSc) or postgraduate (e.g., MSc, PhD) student, or
- recent undergraduate or postgraduate student (conferral of degree after 1 January of the year preceding the conference) presenting her/his thesis work.





Outstanding Student Poster (OSP) award

procedure:

- 1) authors are invited for OSP registration in 'Letter of Schedule'
- 2) send out to every author with an accepted poster !
- 3) division OSP-coordinator + judges evaluate posters during assembly week
- 4) new: **procedure via online tools !**
- 5) award is presented in the next year.

2015: 980 applications in 22 divisions

38 in SM (ca. 4 %)



SM 'Outstanding Student Posters' in 2014

Krisztina Kelevitz
(ETH Zurich)



Long period GPS waveforms. What can GPS bring to Earth seismic velocity models?

*Kelevitz, K.; Houlie, N.;
Boschi, L.; Nissen-Meyer, T.;
Giardini, D.; Rothacher, M.*

Marija Mustač
(ANU, Acton/Australia)



Kinematic point source moment tensor inversion using a hierarchical Bayesian approach

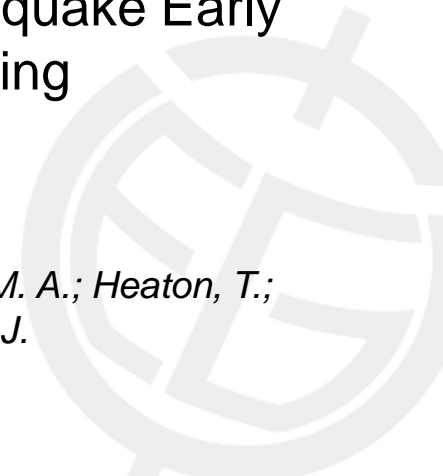
Mustač, M.; Tkalčić, H.

Men-Andrin Meier
(Swiss Seismol. Service)



A Filter Bank Approach to Earthquake Early Warning

*Meier, M. A.; Heaton, T.;
Clinton J.*





Outstanding Young Scientist Awards

- 1) candidates are suggested for the 'Division OYSA' (June 15)
- 2) the division awardee is selected
- 3) from all winners of all divisions, four awardees are then selected for the EGU-wide 'Arne Richter Award for OYS' (end of the year)
selection within four groups -> SM belongs to group I (Solid Earth)
[group II (Soft Earth), group III (Planetary and Space Sciences), group IV (Interdisciplinary)]

!! June 15: always deadline for all nominations
!! send all nominations to awards.medals@egu.eu





Outstanding Young Scientist Awards 2015

SM did not receive any proposals !?

criteria (by 1st January of the year when the award is presented):

- be in age 35* or younger, and
- be an undergraduate or postgraduate student or have received the highest degree (e.g., BSc, MSc, PhD) within the last seven years*

* up to one year of parental leave time may be added per child

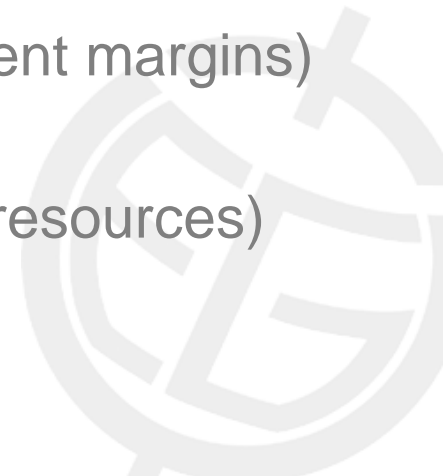
Arne-Richter awardees in 2015:

Manuele Faccenda (physical processes along convergent margins)

Jérémie Mougnot (remote sensing of the cryosphere)

Francesca Pianosi (sustainable management of water resources)

Katrin Schroeder (experimental oceanography)





GA 2015 in numbers

General Assembly in total

14,231 papers in programme | (-4.5% compared to 2014)

12,437 participants (pre-registered, -13% compared to 2014)

4,900 Orals | 8,608 Posters | 723 PICOs (34.5 / 60.5 / 5 %)

568 unique scientific sessions

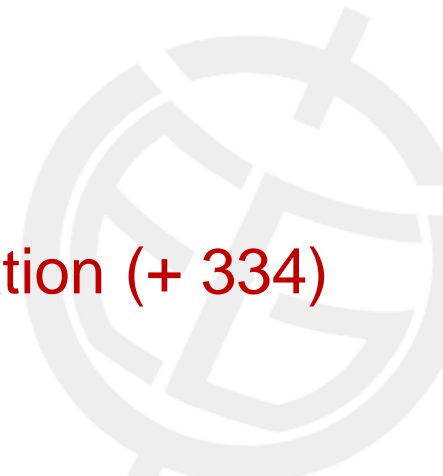
SM in 2013: 505 abstracts

SM in 2014: 545 abstracts

SM in 2015: 409 abstracts where SM leads

743 incl. co-organization (+ 334)

16 withdrawn



GA 2015 regarding SM

Rooms

talks: all at green level
 posters: blue level, grouped
 closer to TS, EMPV, GD, etc.

Presentations

request: 47 % orals
 realized: 34 % orals

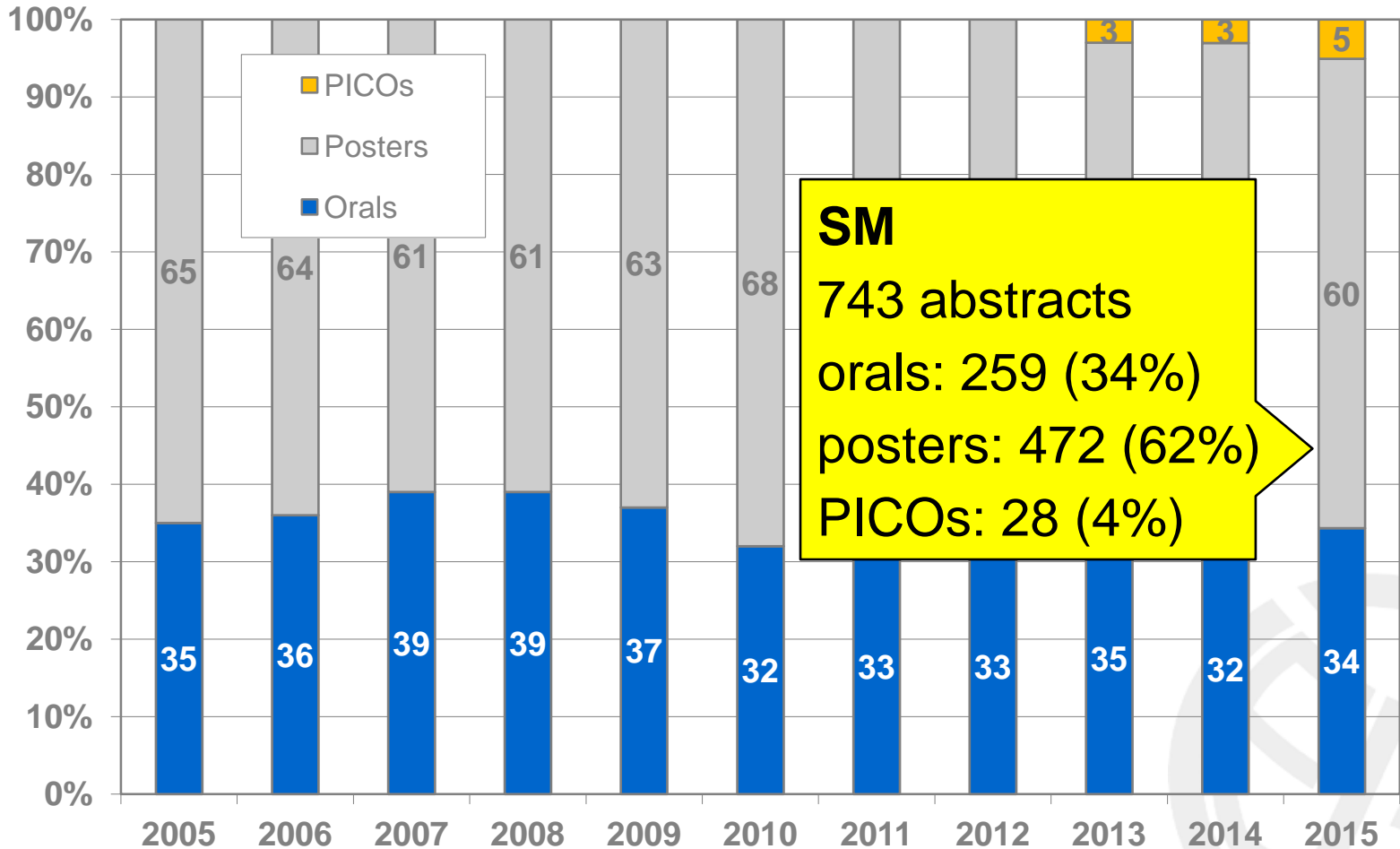
Travel grants

SM: 3 (1.8 %)
 EGU total: 256 (2 %)





Presentation ratio





GA theme 2015: A voyage through scales

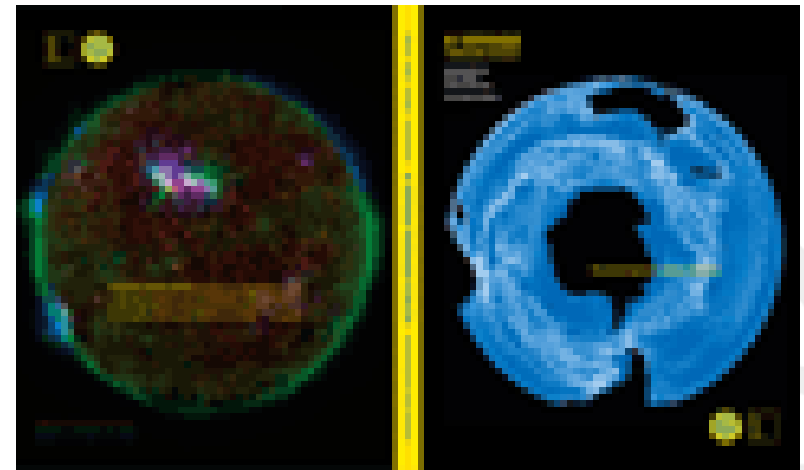


2 keynote lectures (GL1+2)

4 exhibition spots

photo book along EGU journals

- themes vary each year
- decision **today** if to be continued
- theme suggestion: **Active Planet**





Scientific Programme GA 2015

Session Groups

SM1 – General Topics

SM2 – Earthquakes & Earthquake engineering

SM3 – Hazard & Prediction

SM4 – Geophysical imaging of the Earth's interior across scales

SM5 – Integrated methodical approaches

SM6 – Seismotectonics & Geodynamics

SM7 – Co-listed sessions

co-organized = strong connection between divisions, shared contents/conveners

co-listed **X** = loose connection, just listed for information





Skeleton Programme GA 2016

General Assembly: Vienna, 17. - 22. April 2016

Skeleton: set up until September 2015 !

- rotation of topics and conveners
- diversity amongst conveners
- take care duplication/overlap among sessions
- encourage PICO sessions
- try to cover emerging topics
- encourage interdisciplinarity
- sessions ≤ 20 papers: merged/poster only
- suggestions for Union Symposia/Great Debates/etc.





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 available to download 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 and blogs.egu.eu

Social Media

- Sessions will be advertised on Twitter ([@EuroGeosciences](https://twitter.com/EuroGeosciences)) and Facebook ([European Geosciences Union](https://www.facebook.com/EuropeanGeosciencesUnion))
- Participants can ask questions & keep updated by following [#EGU2015](https://twitter.com/EGU2015)





SM division organization

President

Martin Mai

Vice-President

Topic

Infrastructures, data and facilities

Theoretical Seismology

Earthquake Characteristics and Processes

Strong Motion and Engineering

Induced and Anthropogenic Seismicity

Surface Waves

Seismicity

Coastal

Shallow

Non-linear

Anisotropy

Receiver Functions and Upper Mantle

Mantle and Converted Waves

Science Officers

Massimo Cocco

Heidi

Zeighoud

Set

lli

ssing -

Christopher Juhlin

Lars Nielsen

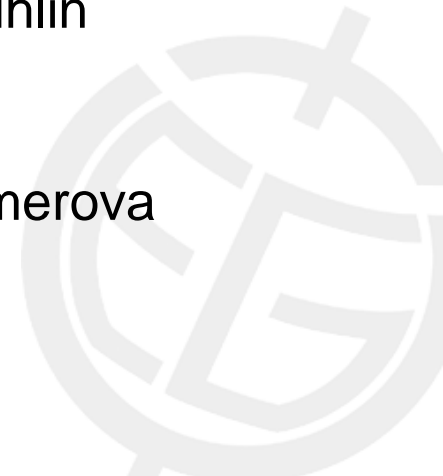
not filled

Jaroslava Plomerova

Rainer Kind

Lev Vinnik

!!! Thank You all !!!
New list of topics and officers
will be prepared until GA2016





SM division organization

President
Martin Mai

Vice-President
Charlotte Krawczyk

Topic
to be filled during summer 2015

Science Officers

approved
in DM





SM division organization

Awards & Medals

Chair for BGM – Michel Campillo

OSP Coordinator – Laura Peruzza

PC Programme Group Chair

Martin Mai

Publication Committee

Charlotte Krawczyk

Young Scientist Representative

Matthew Agius

approved
in DM





Rules 'Beno Gutenberg Medal' committee

Members

last 5 past medalists

1 member must be replaced every year

committee is chaired by the 4th last medalist

ex-officio: SM Division President,

Chair of Union Award Committee

Committee for 2016

Göran Ekström (2015 medalist)

Gregory Beroza

Jeroen Tromp

Michel Campillo (chair)

Guy Masters

ex-officio: Martin Mai, Alberto Montanari

approved
in DM





Rules 'Early Career Scientist Representative'

EGU-criteria

<http://www.egu.eu/young-scientists/>

- be aged 35* or younger

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

- be an undergraduate or postgraduate (MSc/PhD) student or have received her/his highest degree qualification (e.g., BSc, MSc, PhD) within the last seven years

Structure

- each EGU division has a ECS representative
- Division ECS-representatives elect a **Programme Committee Representative** (ECS Head Representative).
- ECS Head Representative: 2 year tenure with seat in council

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



Early Career Scientist Representative of Seismology Division

Matthew Agius

33 years old

Post Doctorate

University of Malta

E-mail: matthew.agius@um.edu.mt

Website: <http://staff.um.edu.mt/matthew.agius>

YS-representative since 2014

Activities so far

Seismoblog, Facebook, Short Courses

YS-representatives' meetings





ECS activities May 2014-April 2015

- regular Skype meetings of Division ECS-representatives
- all divisions have an ECS representative now
- ECS report about EGU 2014 presented to council
- ECS now have a (non-voting) seat in council
- term in office: 2 years
- majority of reps were elected in 2014 and will remain in office until 2016
- mailing lists
- centralisation of EGU division blogs (<http://blogs.egu.eu/>)
- networking opportunities
- election of ECS Division Head Rep. for Programme Committee Representative
- ECS proposed to EGU Outreach & Education Committees to have 1 ECS member in committees, and to incorporate new educational ideas (outreach to schools, YouTube channel)
- EGU 2015: Early Career Scientists' Lounge
- EGU 2015: Over 20 short courses & sessions run by ECS during EGU
- EGU 2015: Reception of past EGU medallists with early career scientists
- EGU 2015: Change of YS name to ECS (Early Career Scientist), same definition



European Geosciences Union

Division on
Seismology

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Division Pages ▾



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Find the EGU on



Links



Division on Seismology (SM)

President: Charlotte Krawczyk, sm@egu.eu

Vice-President: Massimo Cocco, massimo.cocco@ingv.it



About SM

The EGU offers a well recognized forum where a large variety of scientific questions and results are discussed. Since the impact of geosciences to the society has probably never been as high as it is today, we can foster this development by broadening our research topics and open our fields to wide, interdisciplinary collaborations within EGU. Here, seismology as a discipline is significant, since it contributes to a large variety of both basic and applied thematic fields and urgent questions. The seismology (SM) division at EGU therefore wants to strengthen its value by enhancing the development from static to dynamic models, from acquisition parameter to petrophysical property, and from geomodel to geotechnical application. Thereby, also the ability to make relevant predictions for the future is growing.

Find the SM Division at



[Seismoblog](#)



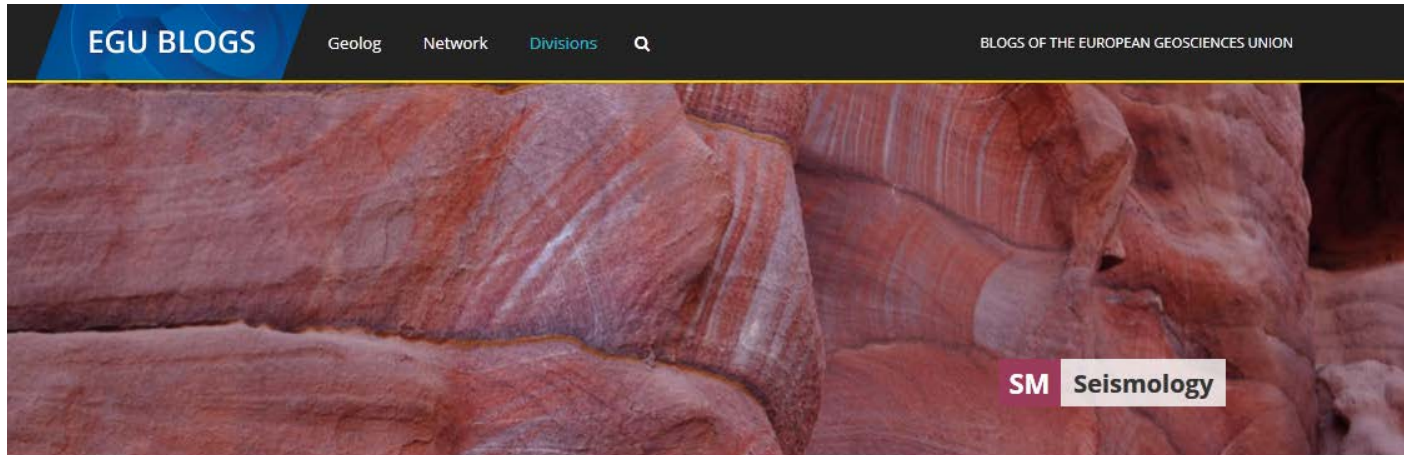
[Facebook](#)

News

- [Gregory Beroza](#) is awarded with the Beno Gutenberg Medal 2014
- [Maik Neukirch](#) and [Philipp Kempf](#) won Outstanding Student Poster (OSP) Awards 2013

Continued Interest

- [Scientists alarmed by verdict of Italian court](#)
- [Can we predict earthquakes?](#)



[EGU Blogs](#) » [Divisions](#) » [Seismology](#)

Seismology

First TIDES Training school on Seismic Data

Matthew Agius · March 16, 2015

A, not-to-miss, training school for PhD students and young seismologists.

Full information is provided on the website <http://tides-cost.eu>

First TIDES Training school on Seismic Data

Bertinoro (FC) Italy

June 1-5 2015

Application form deadline: March 31, 2015

In the framework of COST Action TIDES (Time-DEpendent Seismology) — a network of 19 European countries supported by the COST Association, we are organising an advanced training school, addressing seismic data, information contained in them, and how to make the best use of them with modern modelling tools.

ABOUT

Welcome to the [blog](#) of the [Seismology \(SM\) Division](#) of the [European Geosciences Union \(EGU\)](#). This blog serves as a platform for the seismology community to share news, events, and activities, as well as updates on the latest research. It is especially dedicated to the EGU young seismologists. The blog is run by Matthew Agius.

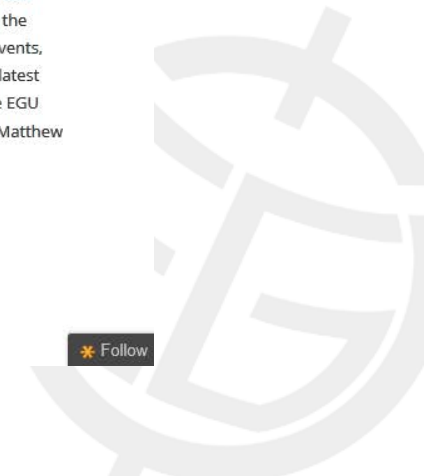


EGU DIVISION BLOGS

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





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EGU Seismology Division is on Facebook.
 To connect with EGU Seismology Division, sign up for Facebook today.

EGU Seismology Division
 Non-profit Organisation

Timeline About Photos Reviews More +

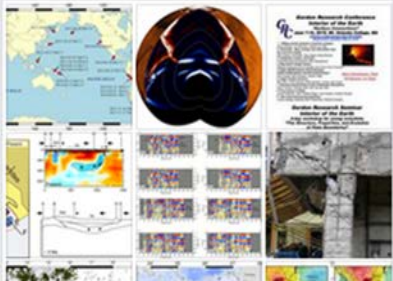
PEOPLE

306 likes
 1 visit

ABOUT

- A page dedicated to the EGU Seismology Division, which coordinates the scientific programme on Seismology and related activities carried out by members.
- <http://www.egu.eu/sm/>

PHOTOS



EGU Seismology Division shared a link.
 April 10 at 12:03pm · 🌐

**European Geosciences Union
 General Assembly**
 Vienna | Austria | 12 – 17 April 2015

Seismology | A few reminders for EGU-GA 2015

A few reminders for EGU-GA 2015 Matthew Agius April 10, 2015 Uncategorized No Comments With a few more days left for the kick off of the annual European Geosciences Union General Assembly (2015), here is a quick-list to go through in time for EGU...

BLOGS.EGU.EU

Like · Comment · Share

Alexandre Moshou likes this.

EGU Seismology Division shared European Geosciences Union - EGU's photo.

April 10 at 8:07am · 🌐

Total Page Likes as of Today: 306



Post Details

Reported stats may be delayed from what appears on posts

EGU Seismology Division shared a link.
 23 March at 09:40 · 🌐

Short course: Seismology for non-seismologists

A short course directed towards non-seismologists, with a particular focus for young scientists (graduate students and postdocs). The course is to provide an introduction into the concepts and methods in seismology and how they are applied to investigate the Earth's interior.

SC42: Seismology for non-seismologists
 Thursday 16 April, lunch time (12:15–13:15) in Room B4

Seismology | EGU 2015 short course: Seismology for non-seismologists

EGU 2015 short course: Seismology for non-seismologists Matthew Agius March 19, 2015 Uncategorized No Comments Do you have difficulty in understanding...

BLOGS.EGU.EU

1,173 people reached

Boost Unavailable

Like · Comment · Share 3 3

1,173 People Reached

19 Likes, Comments & Shares

13 Likes	3 On Post	10 On Shares
0 Comments	0 On Post	0 On Shares
6 Shares	4 On Post	2 On Shares

26 Post Clicks

0 Photo views	26 Link clicks	0 Other Clicks
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NEGATIVE FEEDBACK

0 Hide Post	0 Hide All Posts
0 Report as Spam	0 Unlike Page



EGU 2015: Short Courses

Motivated by fellow Young Scientists

- ★ SC33
Oral presentation feedback round ⓘ
Convener: [Roelof Rietbroek](#) ⓘ | Co-Conveners: [Michelle Cain](#) ⓘ, [Matthew Agius](#) ⓘ, [Lena Noack](#) ⓘ, [Samuel Illingworth](#) ⓘ
▣ [Convener Login](#)
Tue, 14 Apr, 08:30–10:00 / Room B4
- ★ SC42
Seismology for non-seismologists ⓘ
Convener: [Matthew Agius](#) ⓘ | Co-Conveners: [Andrew Schaeffer](#) ⓘ, [Andrea Licciardi](#) ⓘ, [Pierre Arroucau](#) ⓘ, [Sebastiano D'Amico](#) ⓘ, [Eve Tsang-Hin-Sun](#) ⓘ, [Alexandra Moshou](#) ⓘ, [Stephen Beller](#) ⓘ, [Charlotte Fillon](#) ⓘ
▣ [Convener Login](#)
Thu, 16 Apr, 12:15–13:15 / Room B4





Foundation of 'EGU e.V.'

Current setup

- we run two offices (Strasbourg/Fr, Munich/Ger)
- Munich University officially hired our EGU staff in Germany
- Copernicus at Göttingen/Ger runs EGU business (journals, GA)

Issues with current setup

- partially tentative arrangements since 12 years
- Roland Schlich retires (former treasurer, ran office in Strasbourg)
- liability not completely solved

Procedure suggested

- Council voted to register EGU in Germany (run all offices there)
- foundation of a Charity in Germany is required (EGU e.V.)
- proposal still pending, expected to be decided at court end of May



Solid Earth - website relaunched

Solid Earth
An interactive open-access journal of the European Geosciences Union

EGU.eu | EGU Journals | Copernicus

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Journal metrics

IF 2.155
IF 5-year 2.324
SNIP 0.814
IPP 2.232
SJR 1.392

News
Website re...
 The SE web... Further deta... **23 Mar 2015**

TU Delft and ...
 In order to fur... open access, the TU Delft Library has transferred a budget to Copernicus to be used by its scientists in 2015. **22 Jan 2015**

Central billing of APCs for TUM authors
 Copernicus Publications and the University Library of the Technical University Munich (TUM) have agreed on central billing of article processing charges. **18 Dec 2014**

News archive [▶](#)

Recent articles
 SE **Cr(VI) sorption/desorption on untreated and mussel-shell-treated soil materials: fractionation and effects of pH and chromium concentration** **02 Apr 2015**

**open access as basic principle
interactive discussion papers**

impact factor
→
2.3



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
- EGU partly sponsors the event; financial loss/benefit go to EGU
- 2-stage application process on-line
- submission from September 1st, 2015
- deadline for 1st round of applications **November 30th 2015** (submission page coming up in summer)





News for 2015

Hans Thybo is new President
Patric Jacobs is new Treasurer

GA stays the next 3 years in Vienna



give feedback on General Assembly 2015
available this week and later on
www.egu2015.eu/feedback





EGU Council & Programme Committee - Febr. 2015



Philippe Courtial

Patric Jacobs

Günter Blösch

Hans Thybo

Mioara Manda





Elections in 2015

EGU-wide

President

General Secretary

time frame

approval of candidates in Council's autumn meeting

electronic ballots provided by executive secretary

elections in Nov./Dec. 2015 (EGU members only)

inauguration at EGU 2016 General Assembly





Any other points of interest

contact to discuss division matters from now on:

Martin Mai | sm@egu.eu

martin.mai@kaust.edu.sa

! the division lives from y/our initiatives !



