Seismology Division Meeting

at EGU General Assembly 2013

Charlotte Krawczyk
sm@egu.eu

Vienna/Austria, Wed 10 April 2013, room B5

Agenda / Topics

- Welcome
- Awards in the Seismology Division
  - Beno Gutenberg Medal 2013
  - Outstanding Student Poster 2012
  - Young Scientist Award
- Call for nominations 2014
- Scientific Programme
  - GAs 2013 & 2014
- SM division inside
  - structure, officers, open possibilities, etc.
- SM division outside
  - statement L'Aquila verdict, what next ?
- Call for Topical Meetings and Conference Series
- EGU-journal *Solid Earth*
- any other points of interest

Jeroen Tromp - Beno Gutenberg Medalist 2013

The 2013 EGU Beno Gutenberg medal is awarded to Jeroen Tromp for his fundamental contributions in seismology and in geophysics.

He has exercised vision and drive in ensuring that fully numerical wave field calculations and adjoint calculations are available to all.

Prof. Jeroen Tromp
Director 'Princeton Institute for Computational Science & Engineering'
Princeton University
Department of Geosciences
Princeton NJ 08544 / USA

Outstanding Student Poster (OSP) award

applicable to first authors that 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.

http://www.egu.eu/awards-medals/union-osp-award

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) award is presented in the next year.

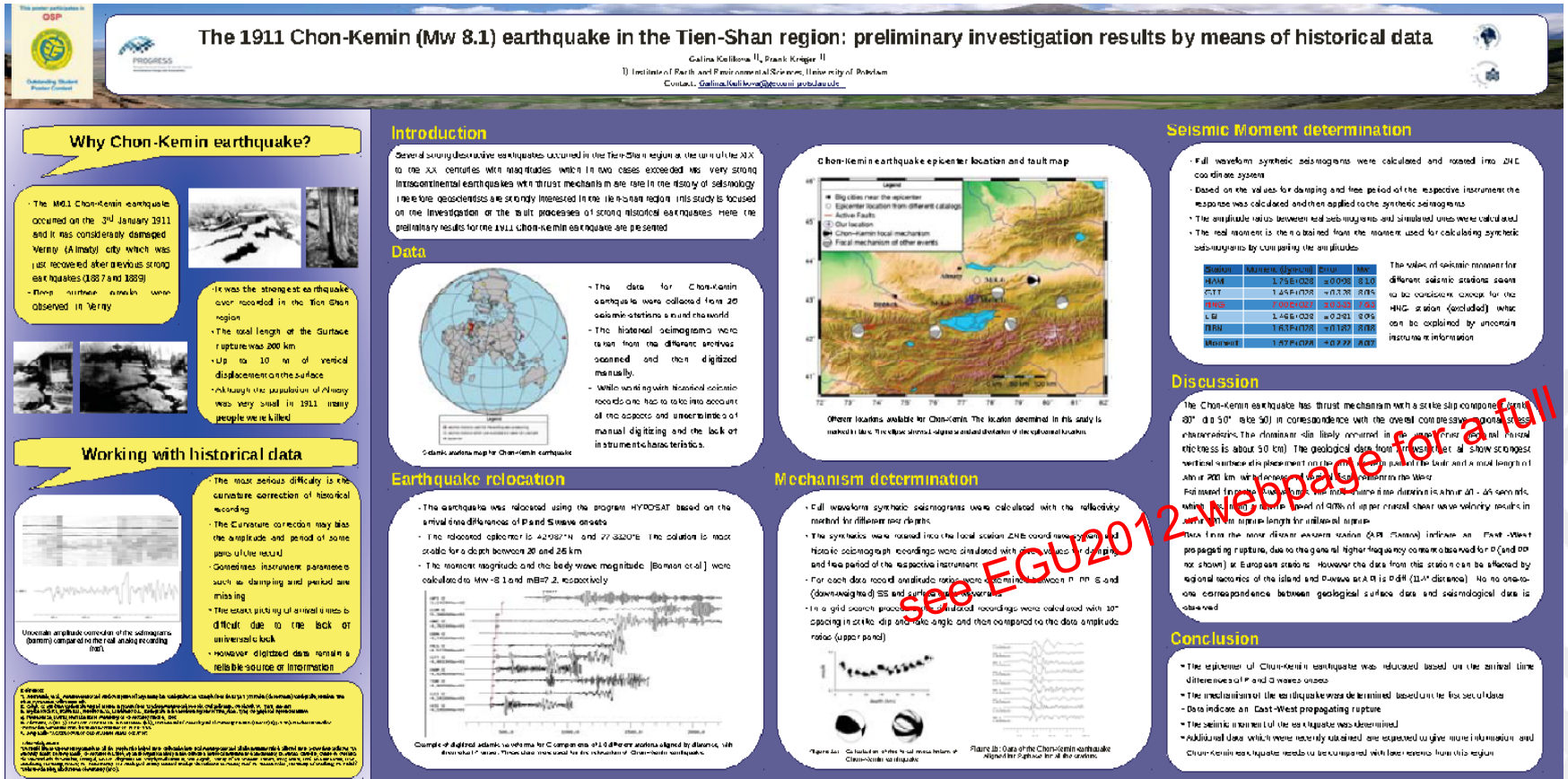
(2013: 1100 applications in 23 divisions)

http://www.egu.eu/awards-medals/union-osp-award

SM 'Outstanding Student Poster' in 2012

our winner is **Galina Kulikova**

The 1911 Chon-Kemin (Mw 8.1) earthquake in the Tien-Shan region: preliminary investigation results by means of historical data.
(G. Kulikova + F. Krüger / Potsdam University)



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**

http://www.egu.eu/awards-medals/proposal-and-selection-of-candidates/

Outstanding Young Scientist Awards 2013

SM did not receive any proposals !?

criteria (by 1 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 her/his 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 2013:
Simon M. Mudd (modelling erosion processes)
Xavier Fettweis (surface mass balance of Greenland ice sheet)
Hang Su (soil-atmosphere exchange, aerosol-cloud interactions)
Alexis P. Rouillard (innovative studies of the solar atmosphere)

GA 2013 in numbers

General Assembly in total

13,343 Papers in Programme | (- 1.4% compared to 2012)

4,684 Orals | 8,207 Posters | 452 PICOs (35 / 62 / 3 %)

448 unique scientific sessions

SM in 2011: 472 abstracts

SM in 2012: 490 abstracts

SM in 2013: 505 abstracts where SM leads

974 incl. co-organization (+ 469)

20 withdrawn

GA 2013 regarding SM

Rooms

moved to blue level

posters re-grouped

closer to TS, EMPV, GD, SSS, etc.

Presentations

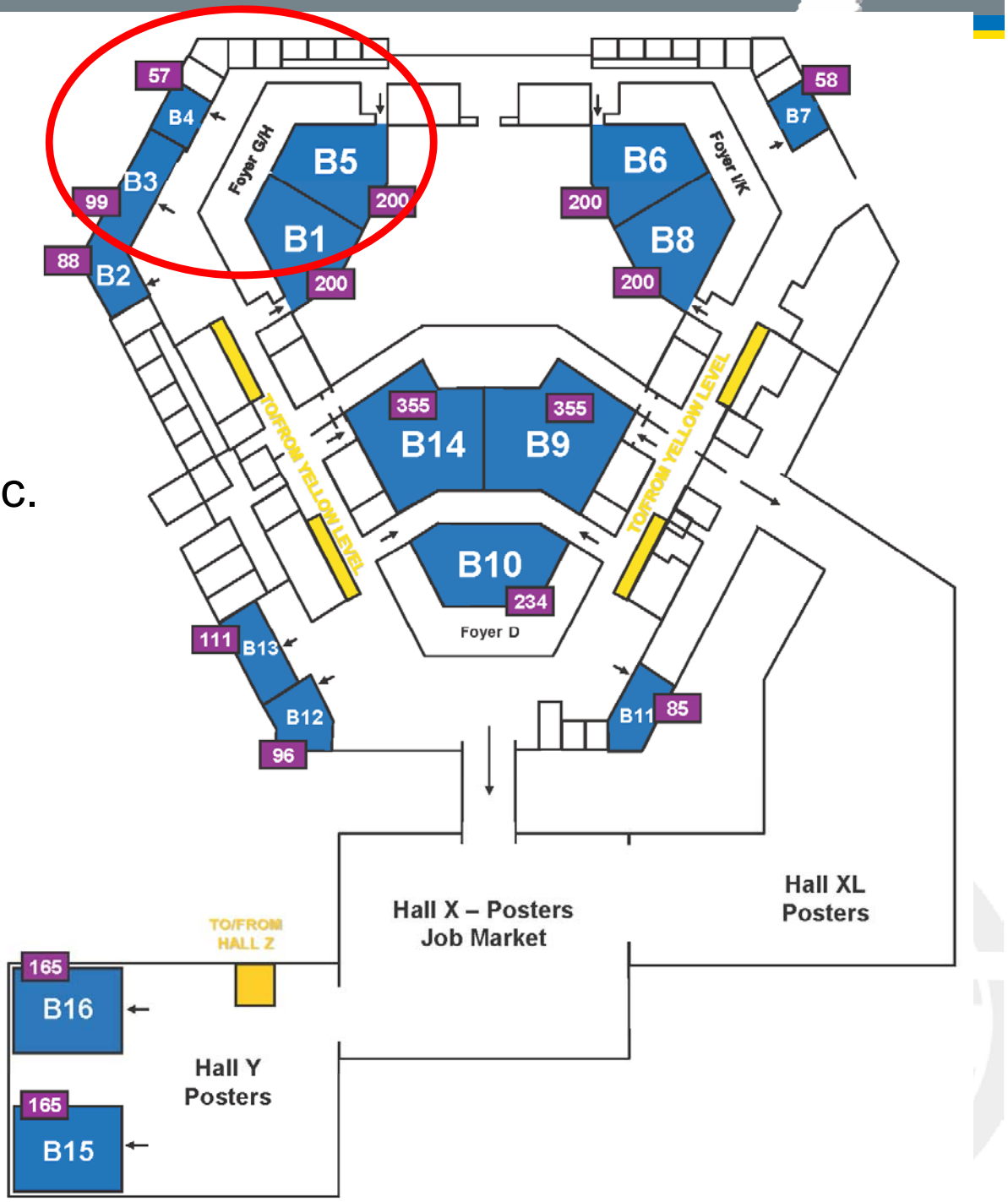
request: 55% orals

realized: 36% orals

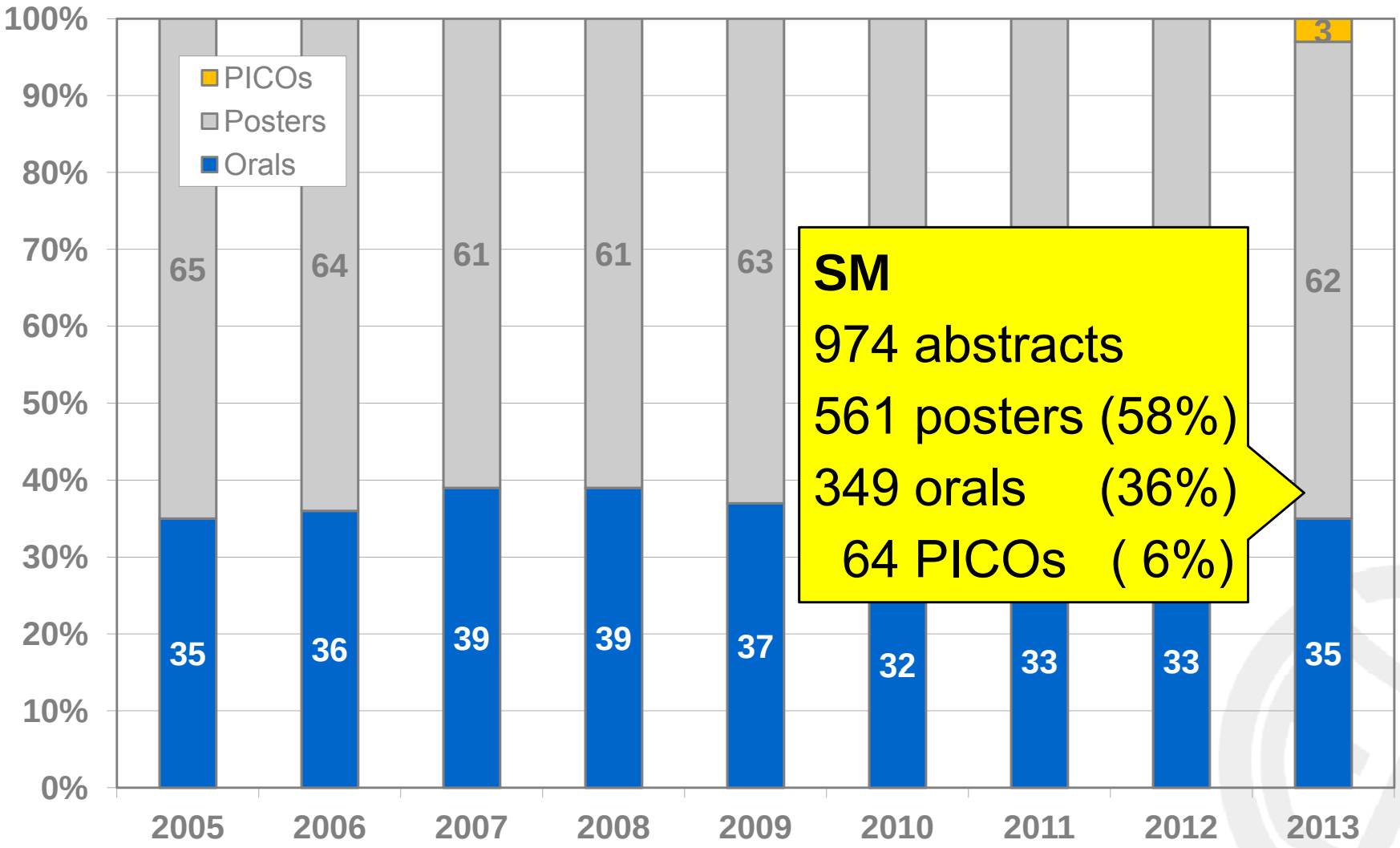
Travel grants

SM: 6 (1.2%)

EGU total: 274 (1.8%)



Oral-Poster ratio has improved !



New presentation type: PICO sessions

first test in 2013 in one session per division

electronic poster session (paper posters as back-up)

experience from session SM4.2, yesterday afternoon ???

http://www.egu2013.eu/pico.html

Scientific Programme GA 2013

EGU-wide

Great Debate 1: ‘Shale gas: To frac or not to frac ?’
Wednesday, 15:30, room Y9

Session Groups

SM1 – General Topics
SM2 – Earthquakes & Earthquake Engineering
SM3 – Hazard & Prediction
SM4 – Geophysical Imaging of the Earth’s Interior
SM5 – Seismotectonics
SM6 – The Lithosphere & the Earth’s deep Interior
SM7 – Co-listed Sessions

co-organized = strong connection between divisions, shared contents
co-listed = loose connection, just listed for information

Skeleton Programme GA 2014

General Assembly: Vienna, 27. April - 2. May 2014
Skeleton: set up until September 2013 !

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

Scientific Programme for 2014

Session Groups

SM1 – General Topics

SM2 – Earthquakes & Earthquake Engineering

SM3 – Hazard & Prediction

SM4 – Geophysical Imaging of the Earth's Interior

SM5 – Seismot[illegible]nics

SM6 – The Litho[illegible]the Earth's deep Interior

SM7 – Co-listed Se[illegible]

SM4

SM4.1 – Methodical developments

- controlled source seismology
- tomography (FWI, surface waves, ambient noise, ….)
- receiver functions
- non-seismic methods

SM4.2 – Case studies and applications

- near-surface/shallow geophysics
- lithosphere processes

Communication Activities at the Assembly

EGU Today

- EGU Today is a daily newsletter highlighting interesting workshops, lectures and films at GeoCinema, amongst activities at the Assembly
- Paper copies will be distributed daily and available to download

Blogs

- GeoLog & the EGU Blog Network will be sharing great sessions, research, interviews and more throughout the Assembly
- Follow them here: **geolog.egu.eu** and **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 **#egu2013**

SM division organization

President
Charlotte Krawczyk

Vice-President
Massimo Cocco

approved in DM

Science Officers

Infrastructures, data and facilities	Massimo Cocco
Theoretical Seismology	Heiner Igel
Earthquake Characteristics and Processes	Mourad Bezzeghoud
Induced and Anthropogenic Seismicity	Philippe Jousset
Surface Waves and Interferometry	Fabio Romanelli
Seismic Tomography	Eduard Kissling
Controlled Source Seismology	Christopher Juhlin
Shallow subsurface	Lars Nielsen
Non-seismic geophysical imaging	Alan Jones
Anisotropy	Jaroslava Plomerova
Receiver Functions and Upper Mantle	Rainer Kind
Mantle and Converted Waves	Lev Vinnik

http://www.egu.eu/sm/structure

SM division organization

Awards & Medals
Chair for BGM – Jean-Paul Montagner
OSP Coordinator – Valenti Sallares

PC Programme Group Chair
Charlotte Krawczyk

Publication Committee
Ramon Carbonell

Webmaster
is done now at EGU office in Munich

Member in Outreach Committee

!!! volunteer needed !!!

http://www.egu.eu/sm/structure

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: Division President, chair of Union Award Committee

Committee for 2014

approved in DM

Jeroen Tromp (2013 medalist)
Michel Campillo
Guy Masters
Jean-Paul Montagner (chair)
John Woodhouse
ex-officio: Charlotte Krawczyk, Alberto Montanari

http://www.egu.eu/awards-medals/awards-medals-committees

Statement on L'Aquila verdict

L'Aquila verdict on Oct. 22, 2012

Interviews across Europe the next two days

Statement posted on division website

Informal survey in Febr. 2013
to ask for consequences arising from the verdict
(ca. 70 replies)

European Geosciences Union

Division on
Seismology

General Assembly 2013 | Divisions | Membership | Contact | Login | Division Pages

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Find us on

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.

News

1. Scientists alarmed by verdict of Italian court
2. Can we predict earthquakes?

http://www.egu.eu/sm

Scientists alarmed by verdict of Italian court

The seismological community is deeply concerned about the L'Aquila verdict by an Italian court on 22 October 2012. The manslaughter conviction of six earthquake experts in Italy for failing to give adequate warning of the 2009 earthquake in the city of L'Aquila that killed over 300 people, has occupied the thoughts of large parts of our community.

The consequences of this verdict for science in general, and for the exchange of information between scientists and policy-makers in particular, could be drastic. If scientists stop actively engaging with the public to demonstrate the importance of their work, if they refuse to work in hazard-evaluation panels, or if they are afraid of offering scientific advice to the best of their ability, the prime foundations of science – sharing and openly discussing research and increasing knowledge – are no longer met.

There are many subtleties to the L'Aquila case, so that the case itself cannot be judged by most of us. Thus, to rather provide a constructive input on the discussion, the current status of earthquake prediction is summarised by scientists of the Seismology Division of EGU.

Hannover, 23 October 2012, Charlotte Krawczyk

http://www.egu.eu/sm/scientists-alarmed-verdict-italian-court/

How to proceed ?

L‘Aquila discussion is very sensible/emotional/delicate….

legislation varies a lot across Europe / ww

set up of a forum on EGU-website to discuss and explore possibilities for further actions, accompanied by a steering-group that takes care about the issue

draft some guidelines or text if appropriate

New committee structure approved in Sunday Council

Outreach Committee has split the duties:

Outreach and Education (chair: Niels Hovius)

Committee for Scientific Meetings (chair: Fabrizio Storti)

members: 1 person/pillar
solid earth (Nicholas Arndt)
soft earth (Charlotte Harsager)
space+planets (Ozgur Karatekin)
interdisciplinary (Stefano Tinti)

ex- officio: executive secretary (Philippe Courtial)
treasurer (Roland Schlich)

EGU Meetings Programme

Scientific Meetings Committee provides funding for meetings

available formats to apply for co-funding at EGU

conference series
topical meetings
workshops
training schools

for the benefit of all scientists and with special attention to the needs of young scientists !

http://www.egu.eu/meetings

EGU Meetings Programme

Who can apply ?

individual scientists, working groups and committees

What is important ?

decisions for or against support are based on scientific merit, timeliness, relevance and feasibility of the proposal

submit via the ‘Support Request form’
check format and obligations on website

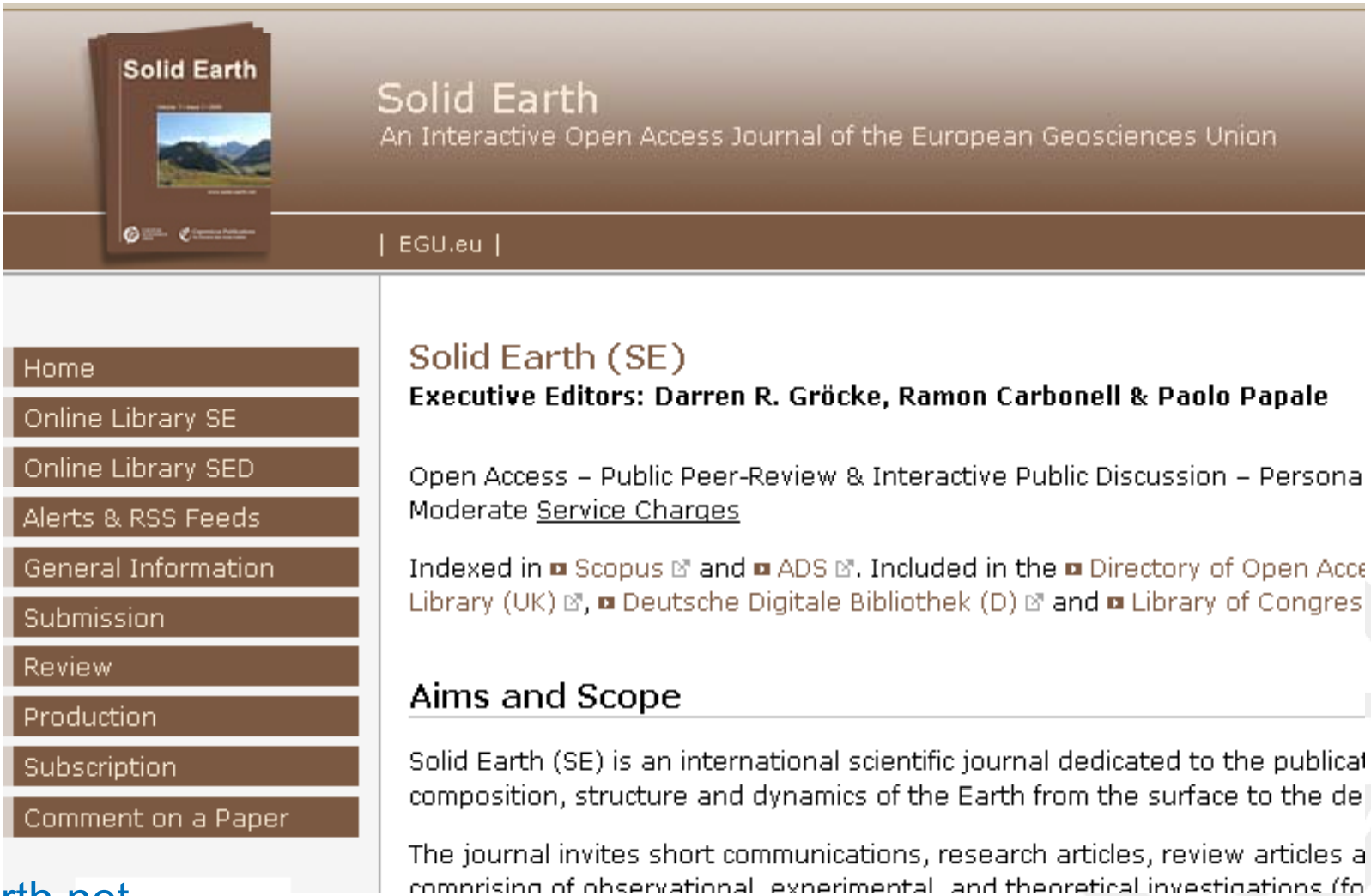
deadlines: now twice a year !

end of January and (in summer ?)

EGU Publication Series

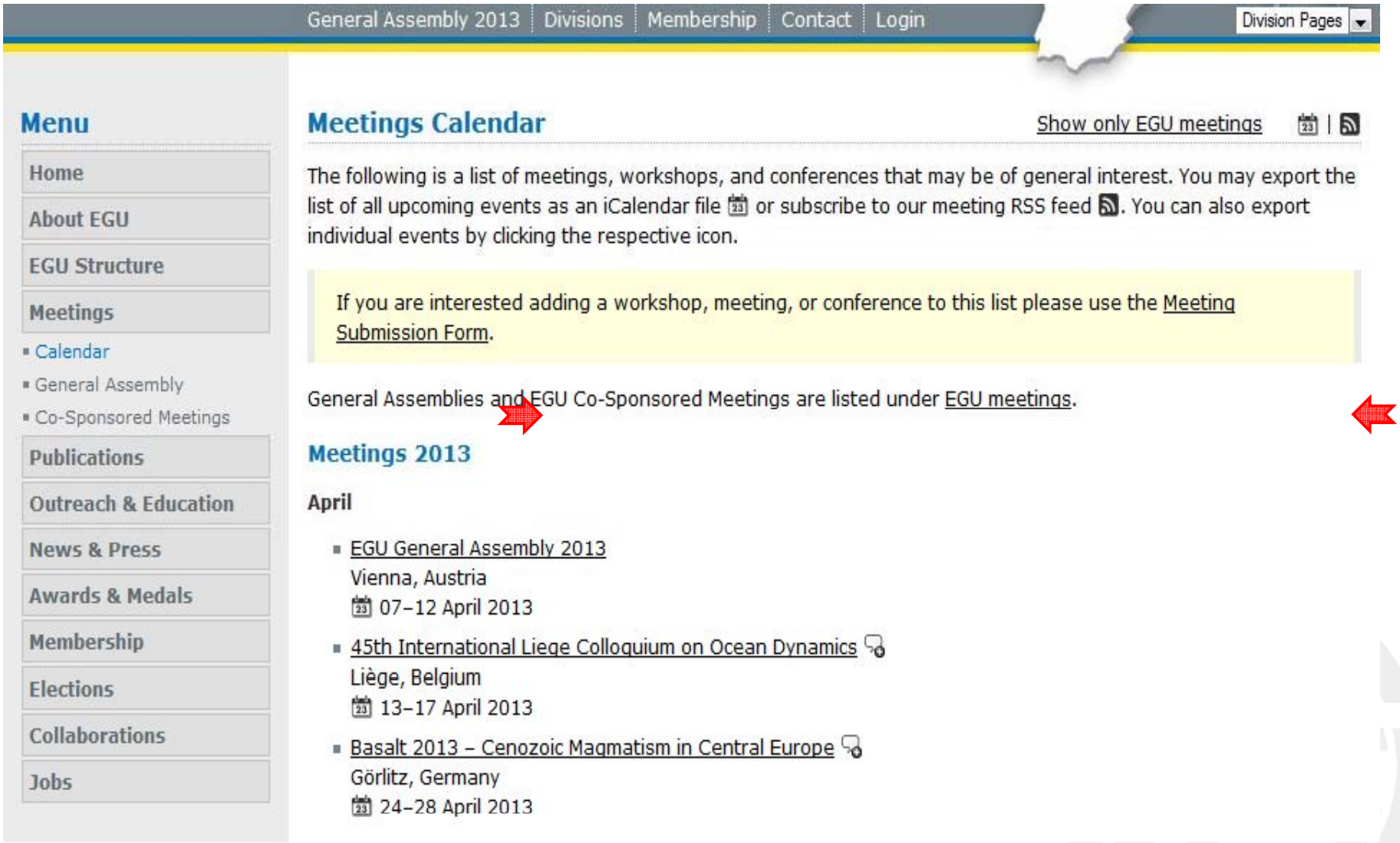
open access as basic principle

interactive discussion papers



http://www.solid-earth.net

Advertise your meeting in the EGU meetings calendar



http://www.egu.eu/meetings/calendar

Other news for 2013

Günther Blöschl is new EGU President

Other news for 2013

Günther Blöschl is new EGU President

GA stays the next 5 years in Vienna

give feedback on EGU General Assembly 2013
available already during the assembly this week
www.egu2013.eu/feedback

PICOs

New committee on scientific meetings

Any other points of interest

?

contact to discuss division matters

Charlotte Krawczyk | sm@egu.eu

! the division lives from y/our initiatives !