

Report to the EGU Council on the Business Meeting for the Seismology Division

Meeting Day & Time: April 20, 2016, 12:15 – 13:15 PM
Meeting Location: Austrian Conference Center, Vienna, Room L2
Attendance: approximately 100-120 people in the room

The agenda of this business meeting was as follows

1. Welcome
2. Awards
3. Structure of the Seismology Division
4. Scientific Program of the General Assembly and for Seismology
5. Any other business

1. Welcome

In a brief 'Welcome' address, the SM-Division President welcomed all participants in the room, presented the above agenda of the business meeting, and invited all participants to actively engage in the upcoming discussions during this meeting.

2. Awards

The awards and medals of the Seismology Division were announced and presented:

- Beno Gutenberg Medal, awarded in 2016 to **Roel Snieder**
- Division Outstanding Young Scientist Award, given in 2016 to **Joseph Doetsch**
- Outstanding Student Poster & Pico (OSPP) Award, for their presentations in 2015, were given to **Angélie Portal** and **Elizabeth Entwistle**.

Following the presentation of the awards, the guidelines for nominations were reviewed and explained for the OSPP awards and for the Arne Richter / Outstanding Young Scientist Award. The process for nominating Beno Gutenberg medalists was explained in detail, including the composition (and changes therein) of the Committee that evaluates incoming nominations. The meeting participants were alerted to the deadline of June 15, 2016, for nominating the 2017 Outstanding Young Scientists and Beno Gutenberg medalist.

3. Structure of the Seismology Division

Next, the structure of the seismology division was discussed. The SM-Division President

explained that following the change in leadership of the division in April 2015 (when former SM-Division president left office), the division operated without science officers to define the scientific program for the GA 2016. He also mentioned that EGU is a bottom-up organization, and that the divisions are fairly flexible in building their own structure. Correspondingly, the goal for this agenda item was to define the SM-Division structure, by voting into office

- The new Early Career Scientist (ECS) representative(s)
- Science Officers, in broadly defined scientific topics
- Deputy President

Early Career Representatives

The SM-Division President thanked Matthew Aguis (not present) for his outstanding service as ECS-Representative for Seismology 2014-2016. Dr. Aguis was instrumental in developing and maintaining the SeismoBlog at EGU and the Seismology Facebook site. He engaged widely with young scientists in Seismology and ECS-representatives within EGU, and actively pushed ECS-topics within EGU. Through his work, it also became clear that the ECS-representation for Seismology requires more than a single person to cover the broad spectrum of interests and activities of ECS-seismologists.

Correspondingly, an ECS-Team was elected to better represent the interests, background, ideas, and needs of ECS-seismologists. The ECS-Team consists of the following persons, elected for a two-year term (2016-2018)

Laura Parisi, KAUST —> contact person
Kathrin Spieker, Univ. Bergen
Koen van Noten, R.O. Belgium
Laura Emert, ETH Zurich
Lucia Gualteri, Lamont-Doherty, Columbia Univ.
Redouane Chimouni, USTHB Algiers

The ECS representatives will share the duties within three different themes

- + ECS Events in Seismology (Lucia Gualteri & Laura Parisi)
- + ECS Outreach in Seismology (Kathrin Spieker & Laura Ermert)
- + ECS Industry/Academia Relation in Seismology (Koen van Noten & Redouane Chimouni)

Science Sections & Section Officers in the Seismology Division

The SM-Division President contacted several people prior to this business meeting to help define the Science Topics along which to structure the Seismology Division, and to suggest names/people who may be willing to serve as Science Officers. An initial set of Science Topics was presented at the meeting, with candidate names as Science Officers.

During the subsequent discussion it became clear that the topics needed to be framed more broadly, such that fewer but more general Science Topics build the backbone of the Seismology Division. Hence, for some of the topics (listed below), two Science Officers will share the duties in helping to define the program for the GA 2017 and to help lead the Seismology Division through scientific and strategic advice. The Science Topics (in alphabetic order) and corresponding Science Officers are as follows, elected for a two-year term (2016-2018)

- Computational & Theoretical Seismology
—> Heiner Igel, LMU Munich
- Crustal Fluids and Seismic Activity (incl. induced & triggered seismicity, volcano seismology)
—> Philippe Jousset, GFZ Potsdam
- Deformation, Faulting and Earthquake Processes (incl. seismotectonics, geodynamics, earthquake source physics)
—> Susana Custodio, Univ. of Lisbon
—> Martin Mai, KAUST
- Engineering Seismology and Seismic Hazard
—> Fabrice Cotton, GFZ Potsdam
- Real-Time Seismology and Early Warning
—> Aldo Zollo, Univ. Naples
- Seismic Imaging Across Scales (from near-surface to global scale, incl. methodological developments)
—> Lapo Boschi, ISTE Paris
—> Cedric Schmelzbach, ETH Zurich
- Seismic Instrumentation & Infrastructure
—> Damiano Pesaresi, OGS Trieste

Deputy President

The SM-Division President explained the duties of the deputy president (formerly Ch. Krawczyk, who stepped down). These are: (a) help to define the strategy of the Division; (b) help to coordinate with Science Officers and other divisions to build a strong and coherent seismology program for the GA; (c) assist the Division President, and replace him/her if needed in official EGU matters (e.g. Council Meetings); (d) could be the designated next Division President (to ensure smooth transition and knowledge transfer).

At this business meeting of the Seismology Division, no volunteer was found who wanted to serve as Deputy President. The election has been postponed to the GA 2017.

4. Scientific Program of the General Assembly and for Seismology

In this agenda item, the SM-Division President showed the meeting statistics for 2016 (number of papers, participants, sessions, registrations), and the development of the conference over the past ~10 years (material provided by the GA PC Chair, G. Rooij).

The continuous increase in these numbers stimulated a number of questions and a discussion on room sizes and room allocations, as well as general strategies for session organization that optimizes the available rooms. Of particular concern was that many rooms were over-crowded, because conveners did not accurately enough estimate the potential number of attendees. An advertisement was made to move towards PICO sessions, which were not used in the Seismology Division for the GA 2016.

The Scientific Program for the Division of Seismology was organized around the following main blocks:

- ▣ SM1 – General Seismology Sessions
- ▣ SM2 – Earthquake Sources & Earthquake Engineering
- ▣ SM3 – Seismic Hazard & Earthquake Predictability
- ▣ SM4 – Seismic Tomography
- ▣ SM5 – Near-surface and Controlled-source Seismology
- ▣ SM6 – Seismotectonics & Geodynamics
- ▣ SM7 – Seismic Infrastructures & Software
- ▣ SM8 – Co-organized Sessions

It was discussed that too small sessions are likely to be merged, or to disappear completely (22 abstracts needed as minimum to be allocated an oral block). Therefore, larger and broadly defined sessions should be organized. There was also a discussion on the fact that many seismological topics were covered in the Natural Hazards division, and therefore lost

visibility on the SM-Division. The goal was articulated to avoid fragmentation between sessions, and to build a strong and coherent program in Seismology for the GA2017.

5. Any other business

In the last agenda item, the SM-Division President presented information on the EGU Galileo Conferences, briefly mentioned the transition from EGU France to EGU e.V. (registered in Germany), and reminded the participants on the upcoming deadlines for EGU Awards & Medals and the EGU General Assembly in April 2017.

The meeting was closed at 13:20 PM.