

Recent activities of the Seismology Division

Early Career Scientists representative(s)



Matthew R. Agius
National Oceanography Centre
Ocean and Earth Science
University of Southampton
Southampton
United Kingdom
matthew.agius@soton.ac.uk



Koen Van Noten
Seismology-Gravimetry
Royal Observatory of Belgium
Ringlaan 3
Brussels
Belgium
koen.vannoten@seismology.be



Laura Ermet
Institut für Geophysik
ETH Zürich
Sonneggstrasse 5
Zürich
laura.ermet@erdw.ethz.ch



P. Martin Mai
King Abdullah University of Science & Technology
Earth Sciences
Physical Science & Engineering
Thuwal Saudi Arabia
martin.mai@kaust.edu.sa



CharLotte Krawczyk
GFZ German Research Centre for Geosciences
Potsdam
Germany
lotte@gfz-potsdam.de

ECS representation: What is it all about?

The **European Geosciences Union** is a bottom-up-organisation, in which its members are represented by their respective scientific divisions, committees and council. In recent years, EGU has embarked on a mission to reach out for its numerous 'younger' members by giving awards to outstanding young scientists and the setting up of **Early Career Scientists** (ECS) representatives.

The division representative's role is to engage in discussions that concern students and early career scientists. Several meetings between all the division representatives are held throughout the year to discuss ideas and Union-wide issues. One important impact ECS representatives have had on EGU is the increased number of short courses and workshops run by ECS during the annual General Assembly. Another important contribution of ECS representatives was redefining 'Young Scientist' (YS) to 'Early Career Scientist', which avoids discrimination due to age.

Since 2014, the Seismology Division (SM) has its own ECS representative. In an effort to more effectively reach out to early stage researchers, a blog and a Facebook page dedicated to seismology have been set up online. With this dedicated blog, we'd like to give more depth to the average browsing experience by enabling young researchers to explore various seismology topics in one place while making the field more exciting and accessible to the broader community. These pages are used to promote the latest research especially of young seismologists and to share interesting seismo-news. Over the months the pages proved to be popular, with hundreds of views every week and an increased number of followers. An online survey was conducted to learn more about the activities and needs of early career seismologists. We present the results from this survey, and the work that has been carried out over the last two years, including detail of what has been achieved so far, and what we would like the ECS representation for Seismology to achieve. **Young seismologists are continuously encouraged to voice their ideas and contribute to the Seismology Division.**

What is the future of the ECS representation?

A word from the Seismology Division President **P. Martin Mai**

"EGU is a dynamic and growing community of scientists across many fields in geosciences. Our General Assembly has greatly increased in number of presentations and participants during the last years, owing in large parts to an increasing number of talented, highly motivated young people who enter research. These Early Career Scientists not only desire to have an impact in their chosen field. They also want to engage with and change EGU, and to mold EGU to become fit for future generations and the challenges ahead of us. The breadth of research, the increasing complexity of problems tackled, the quest for solving the grand challenges using inter-disciplinary sciences requires that we look beyond our own domains. Similarly, a single ECS-representative is soon overwhelmed by the variety of ideas, scope of requests, and number of outreach opportunities to support fellow ECS's. Therefore, the Seismology Division moves forward with an ECS-Team who will support workshops, topical meetings, ECS-events, outreach-and-media activities, industry-and-university relations (What is the right job for me after my PhD? Where do I find it?). EGU and ECS activities become alive through us, through you. Get involved!"

Impact of ECS representatives

- Representation:** All EGU Divisions now have an ECS representative.
- Social media pages:** ECS representatives have developed a stronger social media presence with the setting up of more online social pages.
- ECS definition:** The name and definition of YS has been changed to ECS, to include under- and post-graduate students of all ages.
- Council:** ECS now have a non-voting representative on the EGU council.
- Survey:** Results of an annual ECS survey are presented to council.
- Gender:** A gender neutral EGU website, with special attention to the wording of the website.

At the General Assembly:

Improving the General Assembly experience for ECS

- ECS ice breaker:** A special corner for ECS at the annual EGU ice breaker.
- ECS lounge:** A special lounge for ECS to hang out and relax during the GA.
- OSPP:** Outstanding Student Poster and PICO Awards.
- Short courses:** ECS representatives have been involved in running short courses such as:
 - > **Feedback rounds:** For ECS to practise their talks.
 - > **Seismology for non-seismologists** helping non-seismologists getting to terms with seismic techniques.
- Meet the Medallist:** A social event for ECS to meet with Awardees.
- ECS Forum:** An opportunity to gather feedback from the ECS community, and an opportunity to meet with the ECS representative.
- ECS survey:** An annual online survey to get feedback from ECS experience at the GA and about activities carried out during the year.
- Division representatives meeting:** All division ECS representatives meet during the GA to discuss the past and up coming year.



The ECS Division representatives at the 2015 GA.



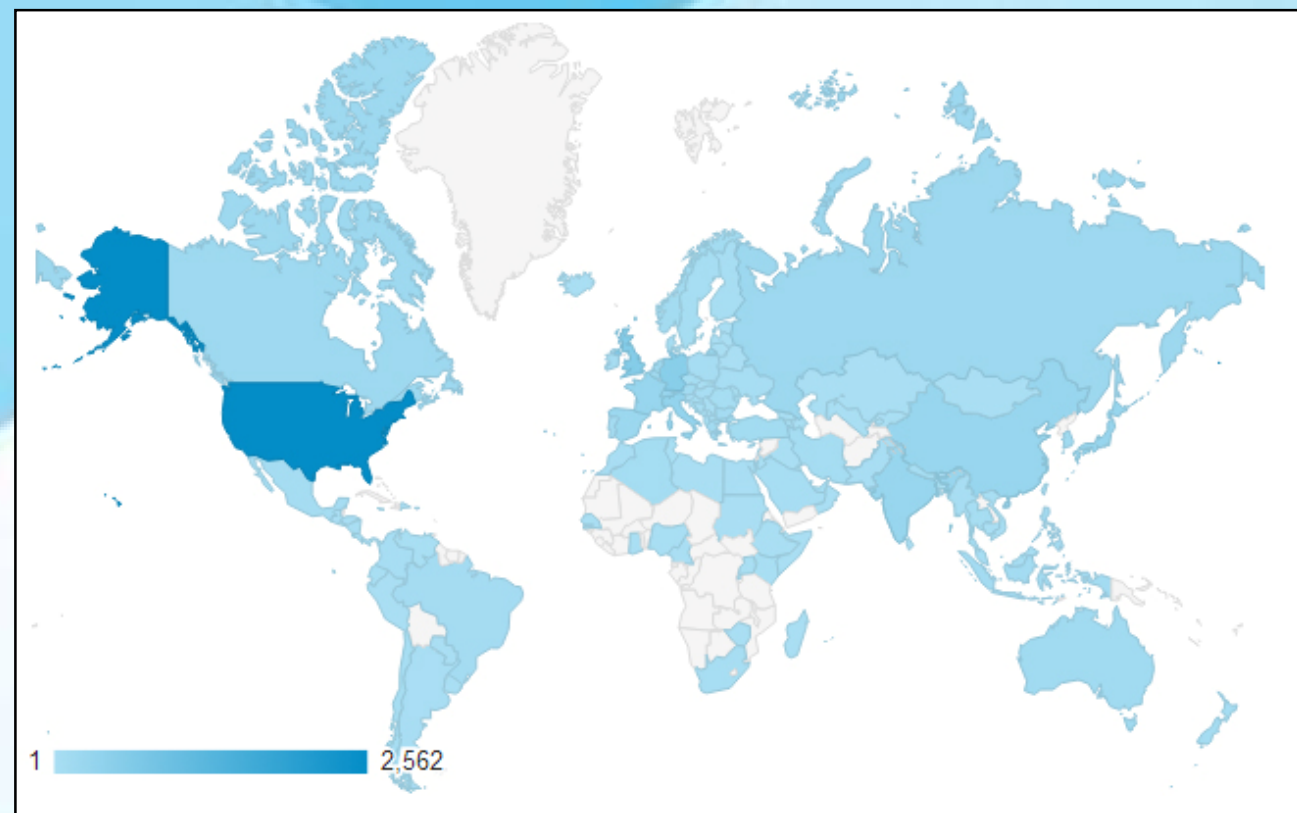
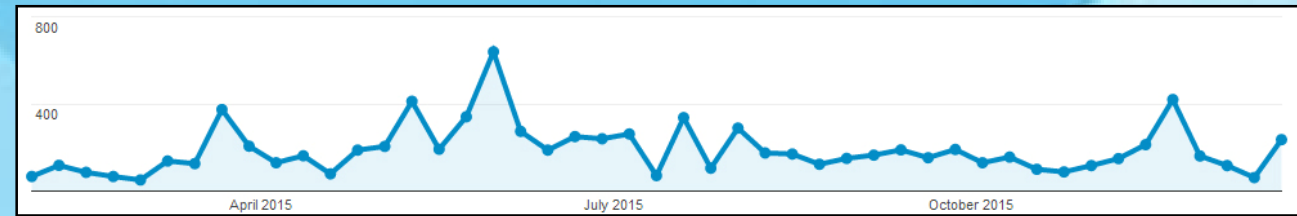
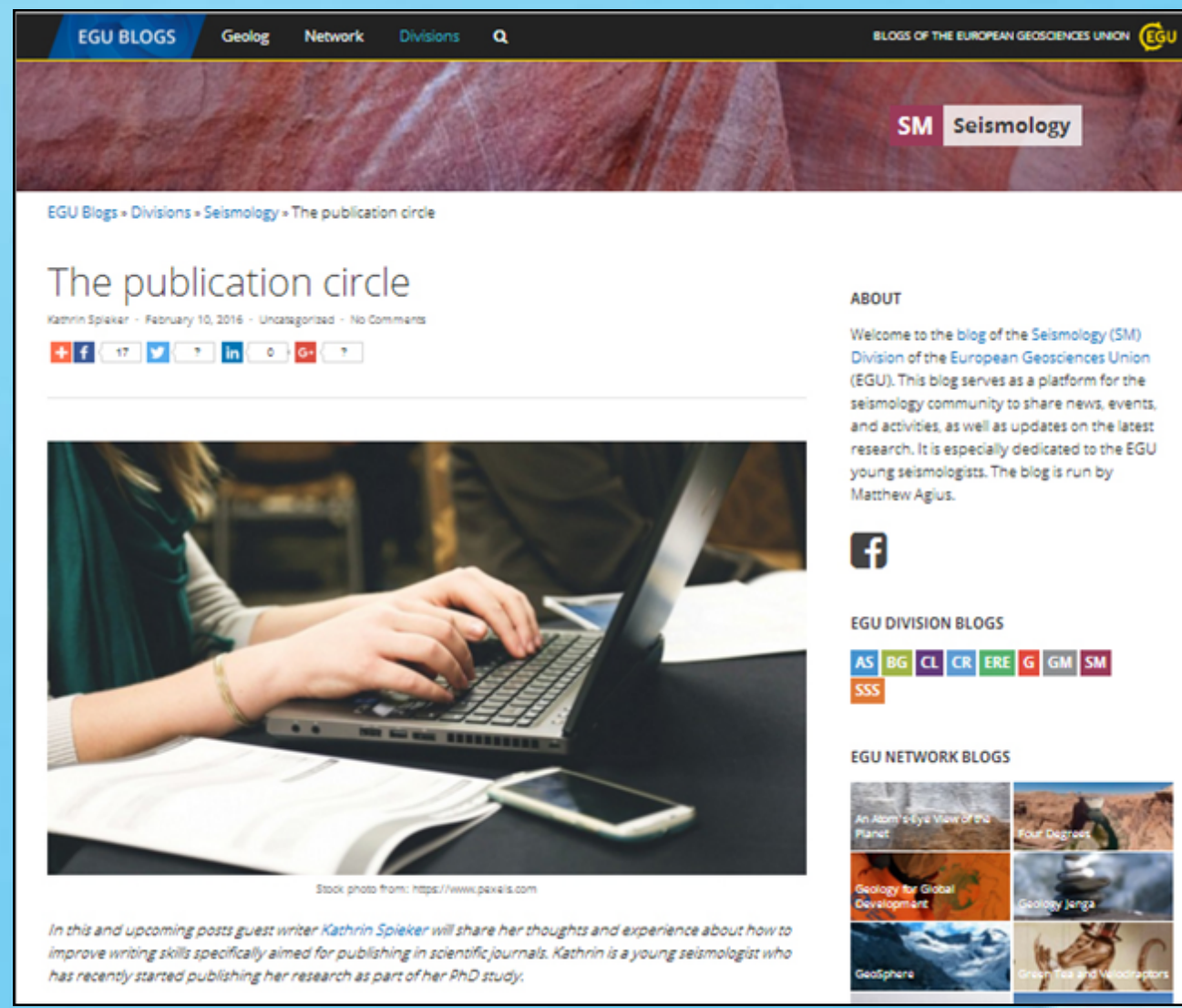
The ECS ice-breaker corner at the 2015 GA.



During the short course 'Seismology for Non-Seismologists' at the 2015 GA.



Seismology Division ECS on social media pages



The SM Division blog <http://blogs.egu.eu/divisions/sm/>. The page (top frame) has a constant increase in popularity. More than 670 people like the page (middle frame). However, some posts have reached an outreach in excess of 1,000 people (bottom frame).

Outreach through online social media is one of EGU's actions in order to reach more to its members, and creating a vibrant community. The EGU has set up division pages on its website (<http://www.egu.eu/sm>) and has also initiated a series of blogs run by the respective Division ECS representatives, and are overlooked by the EGU Office. The Seismology Division blog, <http://blogs.egu.eu/divisions/sm/>, has been online since November 2013. Since then over 100 posts have been written featuring subjects such as earthquake lights, L'Aquila earthquake court case, writing scientific articles, publication reviewing process, seismic hum, among many others. Some of the posts are written by guest writers.

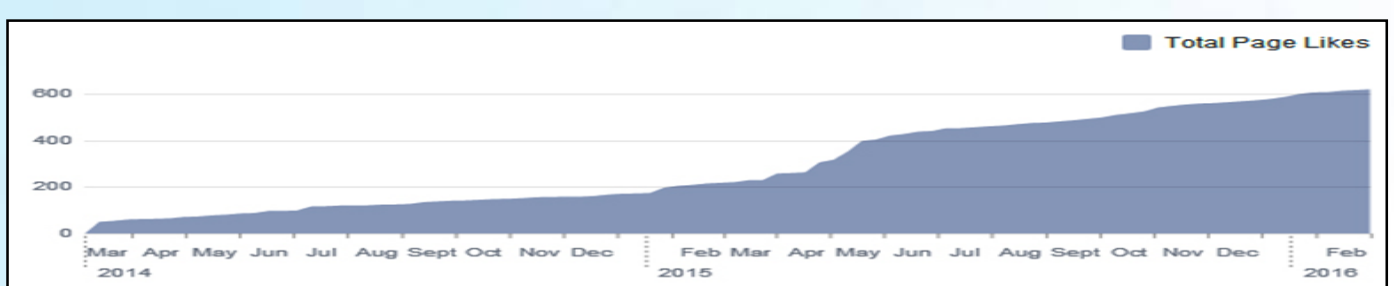
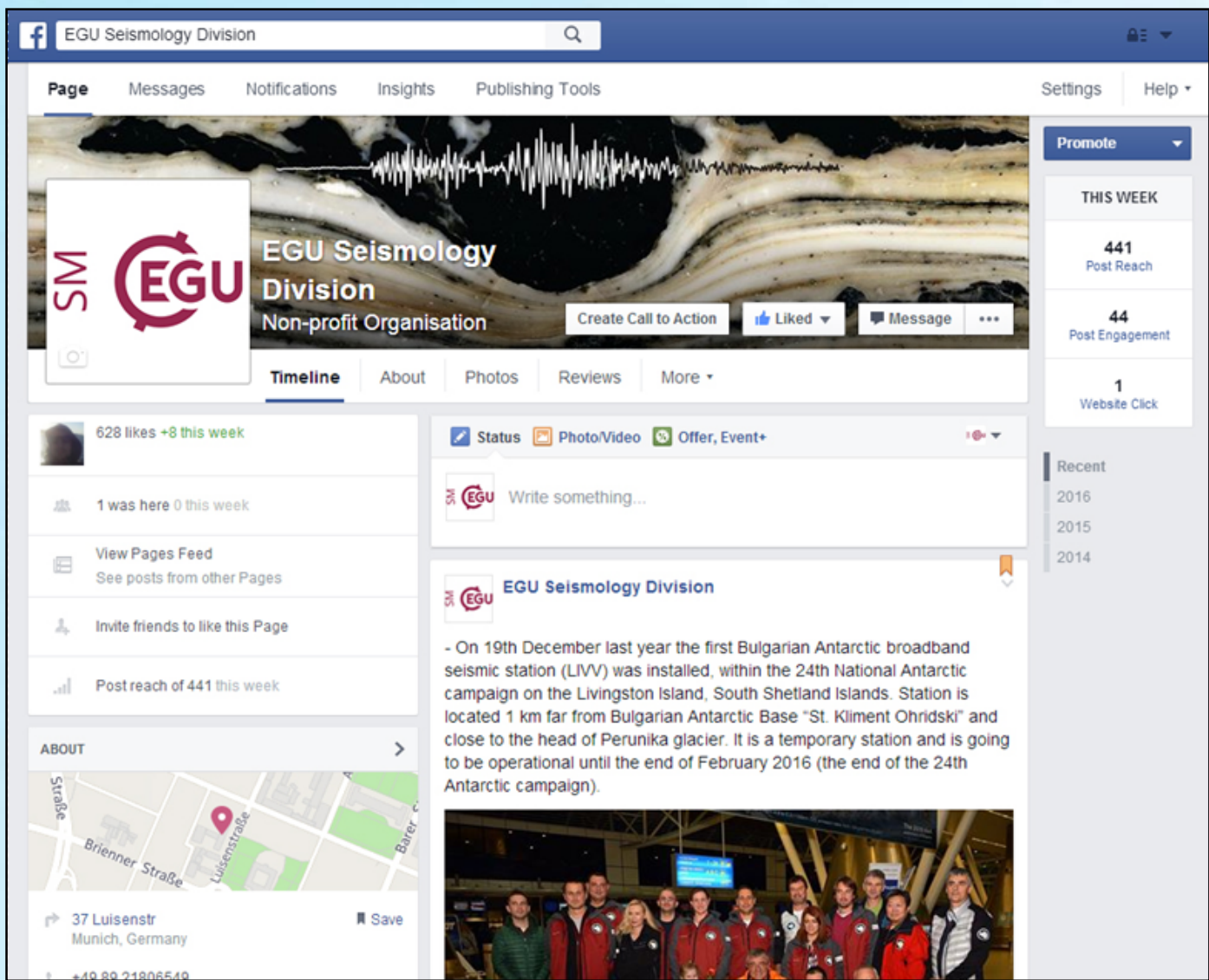
A Facebook page was set up in February 2014, and has since registered over 700 followers. Unlike the blog, Facebook content is more dynamic and rapid, making it an ideal platform to share immediate news, interesting websites, conferences, etc.

Analytics show that the social pages have hundreds of viewers/followers. In some cases the outreach of an individual post has exceeded 1,000 people.

The quality and content of the online pages is getting better and better, and the audience is expected to soar in the coming months. **Seismologists, especially early career ones, are invited to submit their own posts.**



The SM Division Facebook page. The page (top frame) has a constant increase in popularity. More than 670 people like the page (middle frame). However, some posts have reached an outreach in excess of 1,000 people (bottom frame).



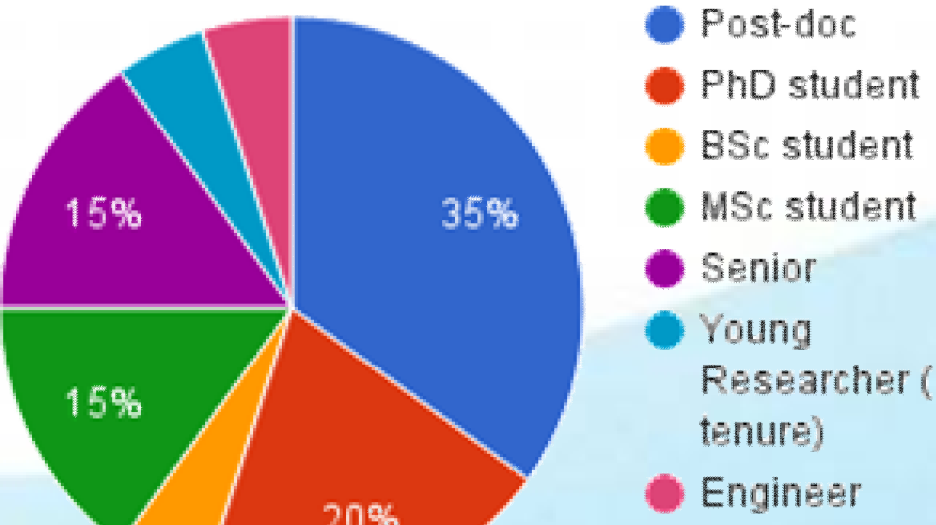
Published	Post	Type	Targeting	Reach	Engagement
05/12/2015	Stanford scientists develop 'Shazam for earthquake'	Text	Public	2.1K	123
07/10/2015	Nuclear Confusion: The Data Suggest North Korea's 'H-Bomb' isn't	Text	Public	1.7K	143
02/02/2016	A great and Easy tool to visualize your cross sectional of the Earth (What is your result?)	Image	Public	1.6K	107
17/01/2016	Many seismologists argue that deaths as a result of an earthquake are an engineering problem. Is this the case?	Text	Public	600	12
20/01/2016	Large-scale earthquake 'possible' in Vienna	Text	Public	475	24
02/12/2015	Bid to drill deep inside Earth - BBC News	Text	Public	426	7
31/01/2016	"A new global S-wave model has recently been published in Geophysical Journal International. What is this?"	Text	Public	402	27
22/12/2015	Seismology of elephants investigated - BBC News	Text	Public	330	7
06/01/2016	South Korea detect earthquake near North Korean nuclear test (Daily Mail Online)	Text	Public	287	9
10/02/2016	Exciting news from the colleagues: AGU2016 + EF AGU2017 + New Orleans AGU2018 + Washington D.C AGU2019	Text	Public	270	24

A visibility survey

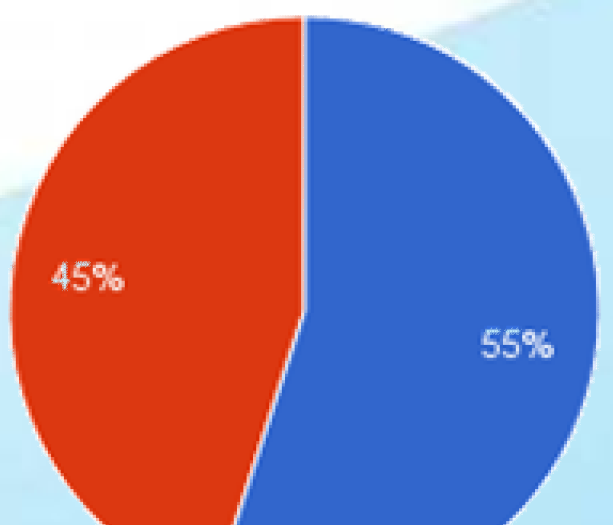
In order to tailor the content on our social media output, an online survey was carried out to establish what the main interests of our followers are. Despite the low participation, statics show interesting trends. This insight can help understand expectations and take future measures for a better ECS outreach.



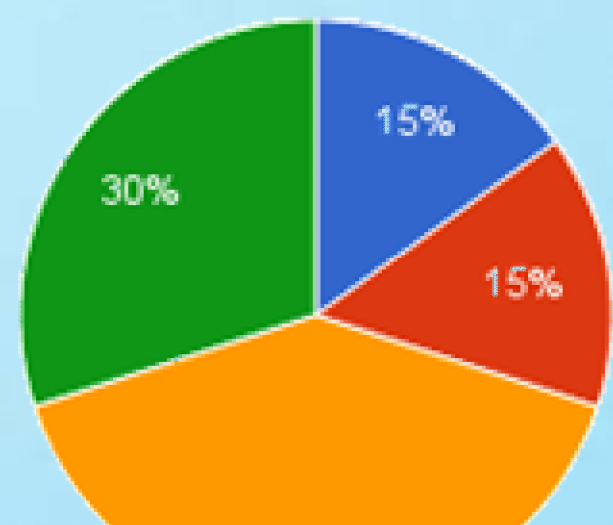
Education



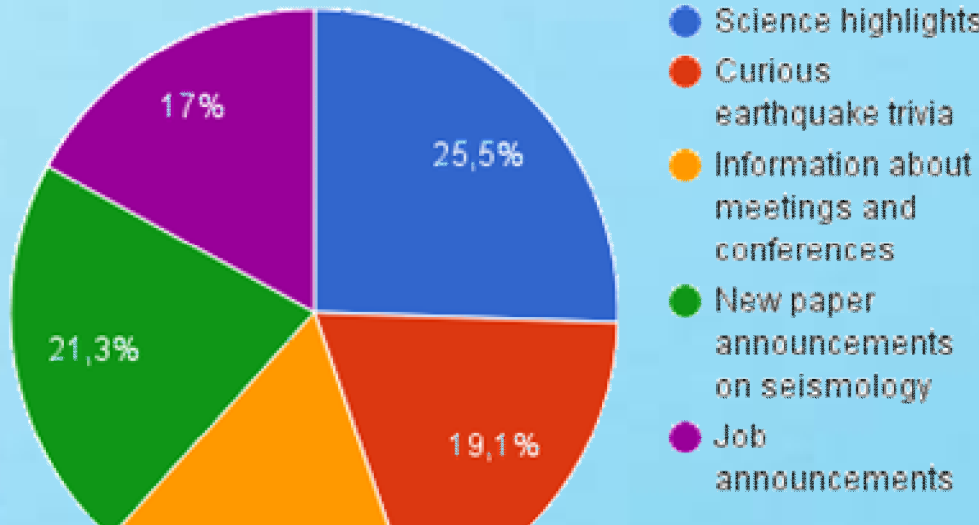
Are you an Early Career Scientist?



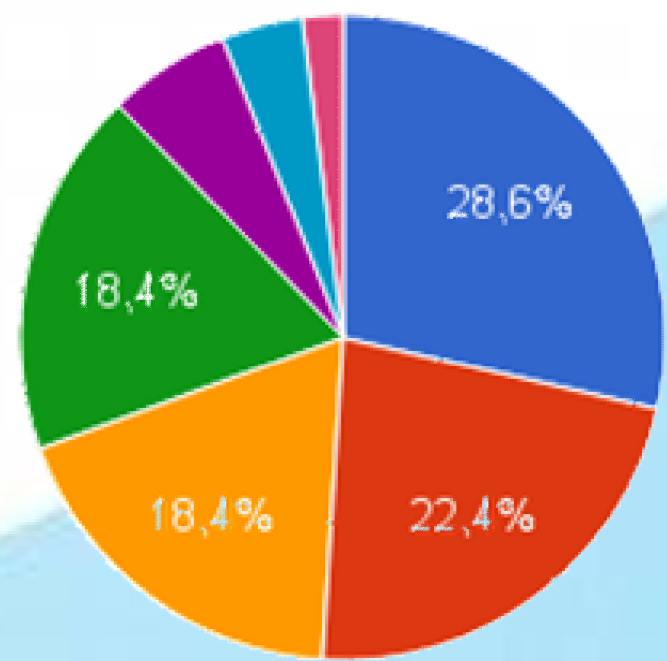
Did you attend EGU?



What type of content would you like to see more on the EGU Seismology blog/Facebook?



Why are you following the EGU Seismology Division blog/Facebook?



- Science highlights
- Information about meetings and conferences
- Curious earthquake trivia
- New paper announcements on seismology
- Job search
- I didn't know it existed
- to see what is of interest in the community

SHORT COURSE ALERTS:

Oral presentation feedback round
Date: Monday, 18th April 2016
Time: 08:30–12:00
Room: -2.61 (Brown basement level)

Seismology for non-seismologists
Date: Thursday, 21 April 2016
Time: 12:15–13:15 (lunch time break)
Room: -2.61 (Brown basement level)

