

# Energy, Resources & the Environment

Division Meeting

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12:15-13:15 Room 2.31 | 22 April 2016



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Meetings | Publications | Outreach | [www.egu.eu](http://www.egu.eu)

## Division meetings

- Division meetings (DM) are organized annually during the General Assembly (GA).
- EGU Programme Committee (PC) takes care that the division meetings are adequately advertised in the GA programme.
- Division presidents and/or division representatives in the PC should advertise the division meeting at relevant sessions.
- DM are open to all interested meeting participants.
- Young people are especially encouraged to attend.
- Since EGU is a bottom up organization we need your feedback to improve the GA and the EGU.
- We run the EGU for YOU!

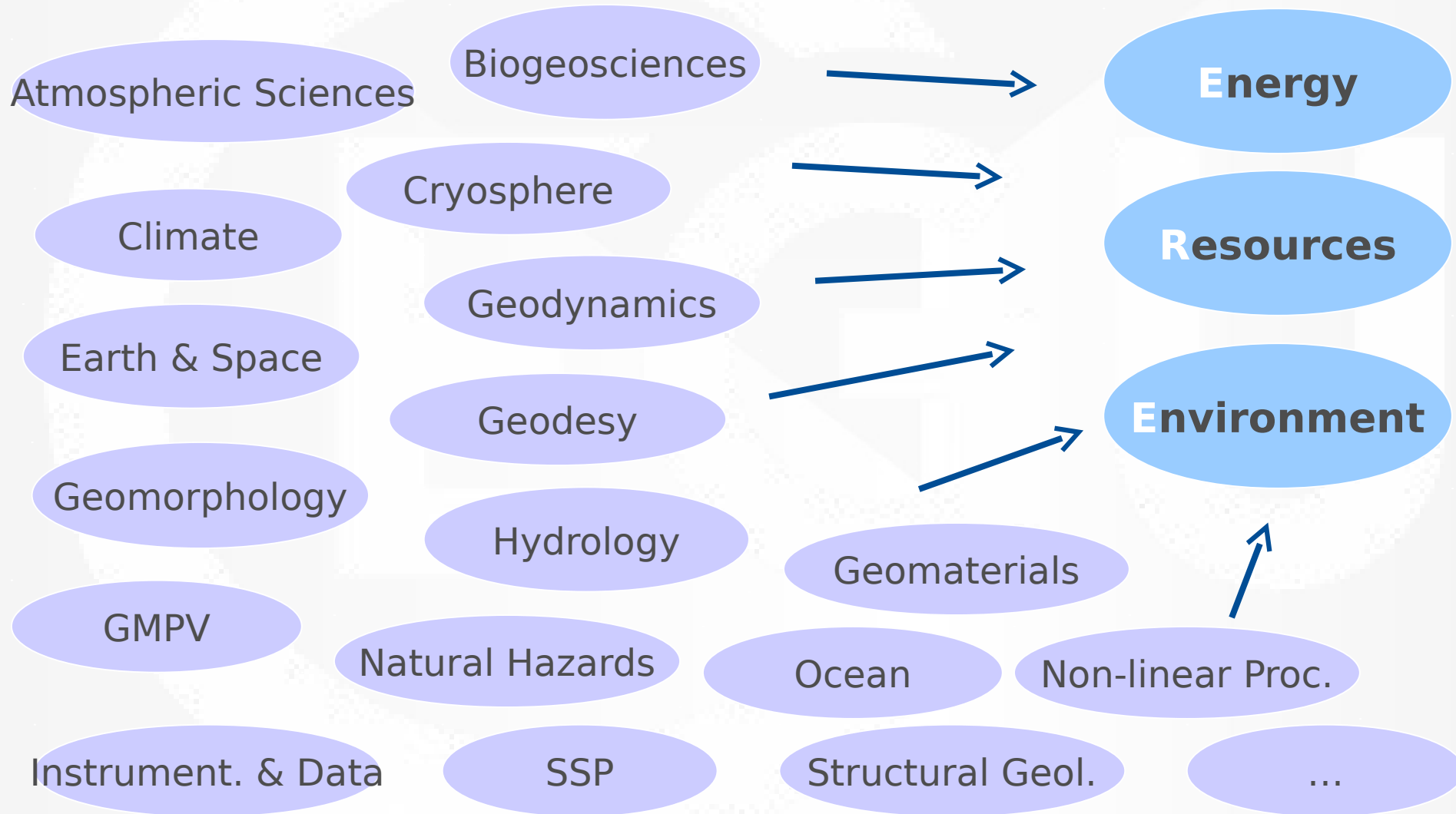
## How is EGU run?

- Council is the highest decision-making body in EGU: Consists of the President (chair), Vice President, General Secretary, Treasurer, Division Presidents and the Executive Secretary.
- EGU Executive: Consists of the President, Vice President, General Secretary, Treasurer, and Executive Secretary.
- EGU has eight Union-wide committees reporting to Council:

## **Eight Union-wide committees**

- Programme Committee (coordinates the General Assembly).
- Outreach committee (Education, Outreach, News, and Sponsorship).
- Publications Committee (coordinates the EGU journals).
- Awards Committee (coordinates the EGU Medal Committees).
- Finance Committee (oversees the EGU finances).
- Nominations Committee (oversees nomination processes).
- Education Committee (coordinates the EGU activities related to secondary and tertiary education).
- Topical Events Committee (coordinates topical meetings, conference series, workshops and training schools).

# Multi-disciplinarity of ERE



# Aim of the Division

- EGU brings together geoscientists covering all disciplines of the earth, planetary and space sciences (interdisciplinarity).
- We - ERE - bring together these scientists to ...
- ... tackle challenges of the future: Provide adequate and reliable supplies of affordable energy and other resources, obtained in environmentally sustainable ways, which will be essential to economic prosperity, environmental quality and political stability around the world.

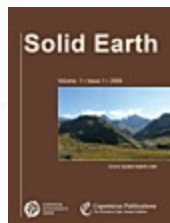
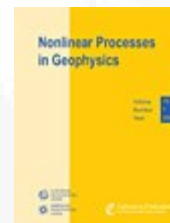
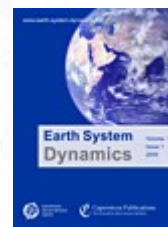
1. Welcome by the Division President
2. Agenda for the Division Meeting
3. Report on the Activities of EGU since last year
4. Report on the Activities of ERE since last year
5. Election of new ERE president
6. Scientific Programme of ERE - 2016 and next year
7. Division Officers
8. Candidate Awards
9. Any other business



- **Advantages of Open Access**

- Immediate free access to the online article.
- Increased citation through unlimited access.
- Author retains copyright.

- **EGU Journals are extremely successful with high impact!**





- **EGU Executive Secretary and Office**

- Executive Secretary - Philippe Courtial.
- EGU Office - Luisenstr. 37, 80333 Munich, Germany.



- **Future General Assemblies**

- 23 April -28 April 2017 - Vienna.
- EGU agreement next 2 years.

- **Conference theme**

- 2014: Face of the Earth
- 2015: A Voyage into Scales
- 2016: Active Planet
- 2017: ?



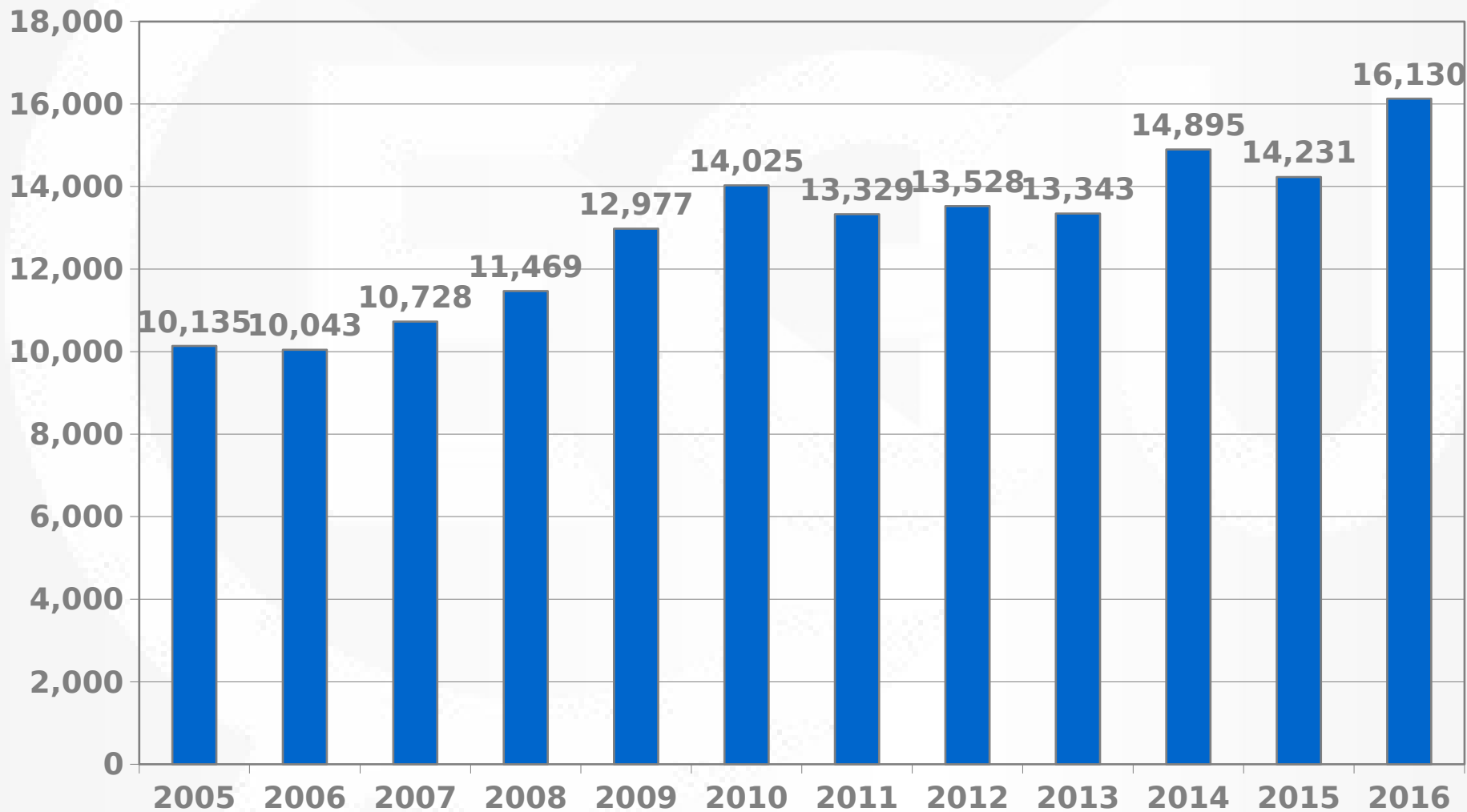
## EGU General Assembly 2016 facts

As of 14 April, the Assembly 2016 provides:

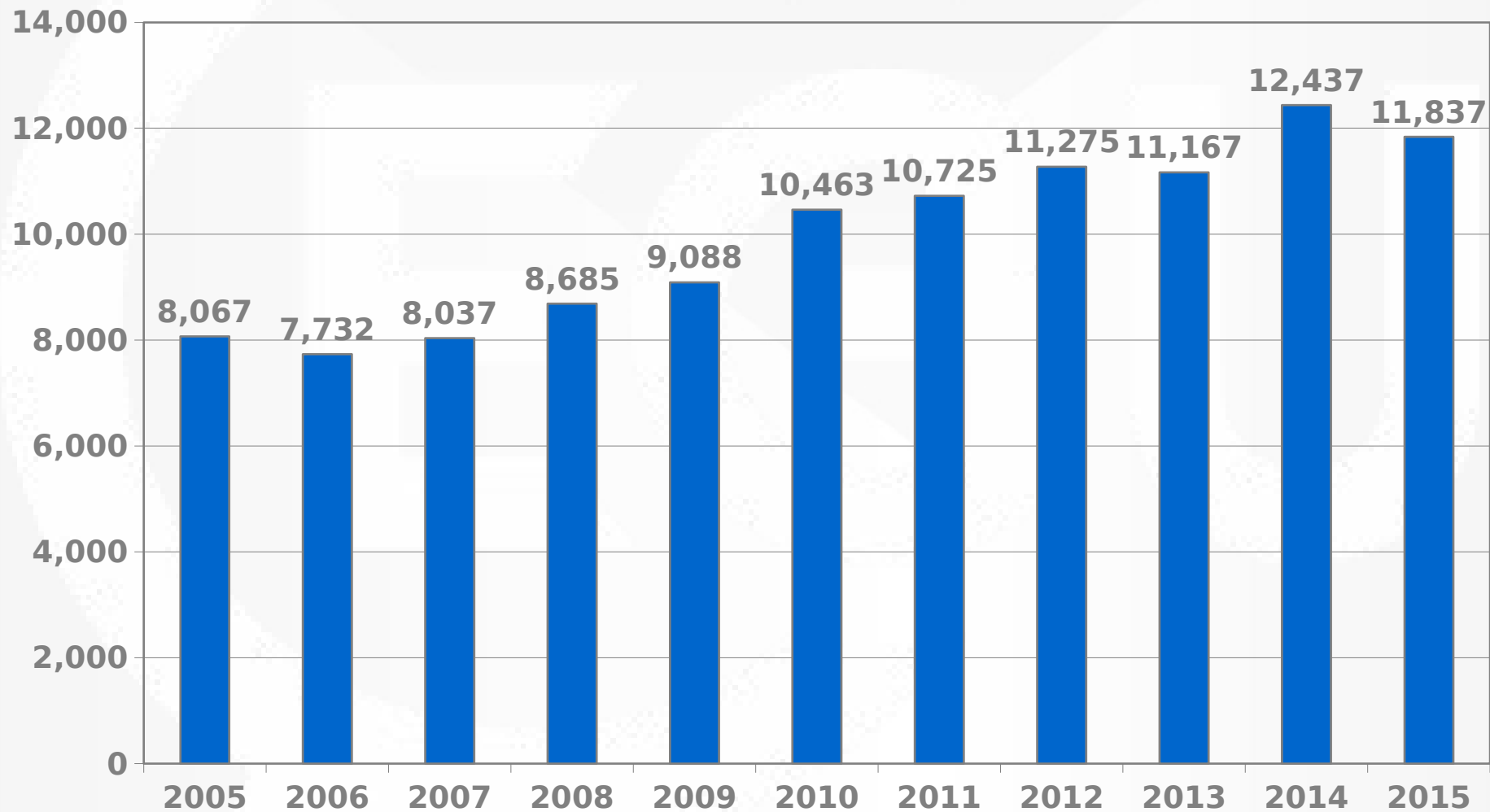
- 16,130 papers in programme | +13.34% (2015)
- 4,863 orals | 10,320 posters | 947 PICOs | ratio 30 / 64 / 6
- 619 unique scientific sessions | 321 side events\*
- 10,988 registrations in advance (10,943 already paid) | +23.68% (2015)

\*Side events include: GDB, ML, GL, KL, TM, EGU, SC, SPM, DM, EBM, UM, OM

## Papers in programme 2005–2016



## Participants at EGU Assemblies 2005–2015



# Social Media & Blogs

## BLOGS

- **The EGU blog, GeoLog**, features posts on selected scientific sessions and events at the Assembly throughout the week
- **The division bloggers** are reporting on the meeting from the conference as well as remotely
- **The division blogs** are supported by student reporters who contribute content to the blogs and social media

## SOCIAL MEDIA

**Facebook:** A daily post linking to the GA highlights posts on Geolog are shared on Facebook

**Twitter:** Sessions, press conferences & side events will be highlighted on Twitter

- The conference hashtag (**#EGU2016**) allows people to follow the conference remotely and allow discussion between participants
- Session discussion on Twitter is recorded and used as a resource
- PG-specific hashtags for discussion within a particular field

# Meetings, Medals & Early Career Scientists

## 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)**

## Co-Sponsoring Programme

- There are two opportunities to get your meeting sponsored: 1 June - 31 July and from 1 November - 31 December: **[www.egu.eu/meetings/co-sponsored-meetings](http://www.egu.eu/meetings/co-sponsored-meetings)**

## Early Career Scientists

- Early career scientists (ECS) can find out how to get involved in the Union & benefit from our ECS resources at **[www.egu.eu/ecs](http://www.egu.eu/ecs)**

## 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



## European Geosciences Union

Dedicated to the pursuit of excellence in the geosciences and the planetary and space sciences for the benefit of humanity.



C. Juhlin (109851)

General Assembly 2016

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advertising a  
meeting you  
are organising  
in the EGU  
meetings  
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### Meetings Calendar

Show only EGU meetings  





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.

If you are interested adding a workshop, meeting, or conference to this list please use the [Meeting Submission Form](#).

General Assemblies and EGU Co-Sponsored Meetings are listed under [EGU meetings](#).

### Meetings 2016

#### April

- [International Conference on Innovations in Sustainable Water and Wastewater Treatment Systems \(ISWATS\)](#)   
Pune, India  
 21-23 April 2016
- [Conference "From Star and Planet Formation to Early Life"](#)   
Vilnius, Lithuania  
 25-28 April 2016



- **Purpose of Galileo conferences:**

- Bring together up to 100 participants for a 3-5 days meeting to discuss a well-focused cutting-edge topic at the frontier of geosciences research in a stimulating environment.
  - Possibility to publish a special Galileo Conference proceeding issue in one of the EGU journals

- **Support:**

- EGU is putting at disposal the conference organization tools; web hosting, abstract, programme and registration management.

- EGU provides comprehensive organisational support by organizing e.g. venue, poster boards, catering, Wi-Fi facilities, etc. Thereby the organising committee can fully focus on the scientific aspects of the conference.

- **Support for Early Career Scientists (up to 5000€)**

- **EGU is covering a potential deficit of the event.**

- **[www.egu.eu/meetings/galileo-conferences/](http://www.egu.eu/meetings/galileo-conferences/)**

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## Jobs



The EGU offers a platform for job seekers to find vacancies in the Earth, planetary and space sciences. Available research positions are displayed below.

Employers can post a vacancy by filling the [Jobs Submission Form](#).

Sort by

30 Total Result(s)

### 1. One post-doc and one PhD position Earth Surface Dynamics

University of Geneva, Geneva, Switzerland

Application Deadline: Open until the position is filled

The Department of Earth Sciences at the University of Geneva invites applications for two Swiss National Science Foundation fellowships in the field of earth surface dynamics where laboratory and numerical experiments will be performed to understand landscape response to extreme deformation and extreme climate change. Drainage net ...

[ [Read more](#) ]

### 2. ESR-PhD, fracture physics/geophysics, Marie Curie ITN FLOWTRANS, CNRS/Strasbourg

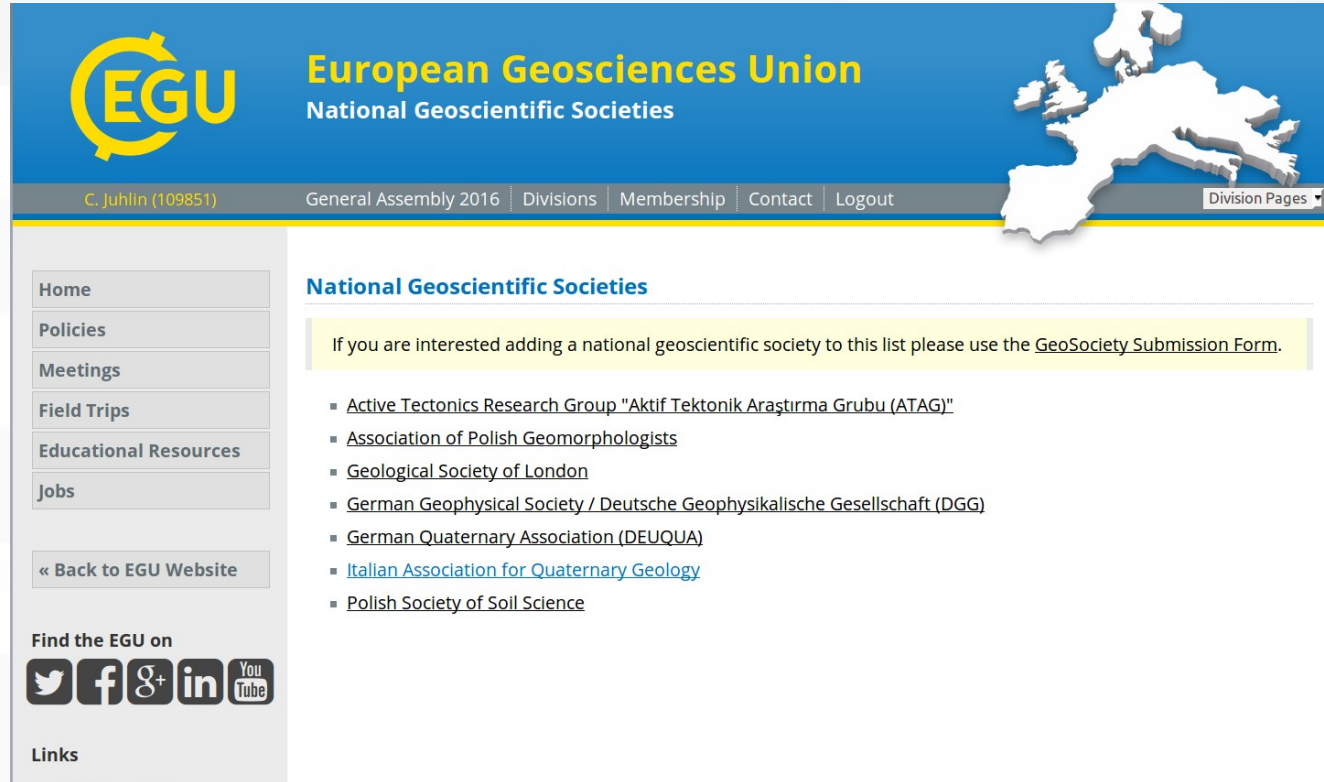
CNRS, Institut de Physique du Globe de Strasbourg, Strasbourg, France

Application Deadline: Open until the position is filled

## National Geoscientific Societies Section in EGU Website

✓ Society members responsible to upload the **content** through on-line form.

✓ **Review** of the content by the EGU Office.



The screenshot shows the EGU National Geoscientific Societies website. The header features the EGU logo and the text "European Geosciences Union National Geoscientific Societies". A navigation bar includes links for "C. Juhlin (109851)", "General Assembly 2016", "Divisions", "Membership", "Contact", "Logout", and "Division Pages". A sidebar on the left contains a menu with "Home", "Policies", "Meetings", "Field Trips", "Educational Resources", and "Jobs", along with a "Back to EGU Website" button and social media icons for Twitter, Facebook, Google+, LinkedIn, and YouTube. The main content area is titled "National Geoscientific Societies" and contains a yellow box with the instruction: "If you are interested adding a national geoscientific society to this list please use the [GeoSociety Submission Form](#)." Below this is a list of societies:

- [Active Tectonics Research Group "Aktif Tektonik Araştırma Grubu \(ATAG\)"](#)
- [Association of Polish Geomorphologists](#)
- [Geological Society of London](#)
- [German Geophysical Society / Deutsche Geophysikalische Gesellschaft \(DGG\)](#)
- [German Quaternary Association \(DEUQUA\)](#)
- [Italian Association for Quaternary Geology](#)
- [Polish Society of Soil Science](#)

- **Current:**

- President/PG Chair: Chris Juhlin (elected 2015-2017)
- Deputy President: Michael Kühn
- Officer “above ground”: Viktor Bruckman
- Officer Outreach & Education: Maria Ask
- Economics & Integration: Hermann Held
- Officer “subsurface”: Suzanne Hangx
- Officer ECS Representative”: Sian Loveless



C. Juhlin



M. Kühn



S. Hangx



S. Loveless



V. Bruckman



M. Ask



H. Held

- Organization of ERE sessions at the EGU GA
  - Contact with potential conveners
  - Initiate new sessions
- Attract ERE early career scientists
- Publication of extended abstracts in Energy Procedia
- ERE Blog
  - Viktor Bruckman, Suzanne Hangx, Sian Loveless, Luke Griffiths
- ERE Twitter
- ERE website



## European Geosciences Union

Division on  
**Energy, Resources and the Environment**



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ERE ▼

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Find the EGU on

### ERE Division Meeting Reports

The EGU Division on Energy, Resources and the Environment organises a Division Meeting each year at the EGU General Assembly. During this event, the division president reports on division activities (awards and medals, publications, current and next year General Assemblies), Union-wide news, presents the current division officers and runs the election of new ones. This page features the minutes and/or presentation slides of previous meetings.

- [Slides](#) (PDF, 3.0 MB) from the "ERE Division Meeting 2015"
- [Slides](#) (PDF, 11.9 MB) from the "ERE Division Meeting 2014"
- [Slides](#) (PDF, 2.4 MB) from the "ERE Division Meeting 2013"
- [Slides](#) (PDF, 235.6 KB) from the "ERE Division Business Meeting 2012"
- [Slides](#) (PDF, 771.7 KB) from the "ERE Division Business Meeting 2011"
- [Slides](#) (PDF, 214.7 KB) from the "ERE Division Business Meeting 2010"
- [Minutes](#) (PDF, 54.2 KB) from the "ERE Division Business Meeting 2009"

<http://www.egu.eu/ere/reports/>

## ERE Energy, Resources and the Environment

EGU Blogs » Divisions » Energy, Resources and the Environment

### Energy, Resources and the Environment

#### Student reporter for ERE at the 2016 GA

lovess - March 29, 2016

This year we will have our own student reporter, Lindsey Higgins, from Stockholm University, at the EGU GA. Lindsey will be reporting on research presented in the ERE sessions on this blog and social media. Please let us know if you think you have a suitable session for Lindsey to attend and report on. Here is some more about Lindsey and her motivations!

\*\*\*\*

Blog by Lindsey Higgins

As far back as I can remember, I have always felt drawn to the sciences. Fortunately, I had encouraging teachers when I was young and strong mentors throughout my university years. When choosing my degree program as an undergraduate, Physical Geography seemed like a perfect fit. It provided me with the opportunity to study a variety of topics and to really refine my research interests. At Buffalo State College in New York I chose a concentration of meteorology and climatology while also studying for a minor in Anthropology. This combination was the start of my interest in the intersection of human activity and environmental variability.

#### ABOUT

Welcome to the [blog](#) of the [Energy, Resources and the Environment \(ERE\) Division](#) of the [European Geosciences Union \(EGU\)](#). The main goal of the division [Energy, Resources & the Environment \(ERE\)](#) is to be a leading forum on discussions regarding the provision of adequate and reliable supplies of affordable energy and other resources, in environmentally sustainable ways. The blog is run by [Sian Loveless](#) and [Suzanne Hangx](#). Those wishing to contribute to the ERE blog can submit a post [here](#).

#### EGU DIVISION BLOGS

[AS](#) [BG](#) [CL](#) [CR](#) [ERE](#) [G](#) [GM](#) [SM](#) [SSS](#)

# Blog integrated into the EGU website



- **Scientific Program 2010**  
208 contributions (with ERE in lead) in 14 sessions - 1.4 % of EGU
- **Scientific Program 2011**  
395 contributions (with ERE in lead) in 13 sessions - 3 % of EGU
- **Scientific Program 2012**  
418 contributions (with ERE in lead) in 14 sessions - 3 % of EGU
- **Scientific Program 2013**  
398 contributions (with ERE in lead) in 16 sessions - 3% of EGU
- **Scientific Program 2014**  
377 contributions (with ERE in lead) in 19 sessions - 2.5 % of EGU
- **Scientific Program 2015**  
435 contributions (with ERE in lead) in 27 sessions - 3.1 % of EGU
- **Scientific Program 2016**  
458 contributions (with ERE in lead) in 20 sessions - 2.9 % of EGU

- **ERE1 - Integrated studies**
- **ERE2 - Impact of energy and resource exploitation on the environment**
- **ERE3 - Non-carbon based energy**
- **ERE4 - Carbon based energy**
- **ERE5 - Geo-storage for a sustainable future**
- **ERE6 - Geo-materials from natural resources**

# ERE at the EGU 2016

- Great Debate - Plan it Earth: is there enough resource for all? Is it just a matter of planning for the future?, Orals, Tuesday, 13:30–15:00, Room E1
- Union Session (US2) Deep geofluids: the bringers of change, Orals, Thursday, 15:30–19:00, Room L6

# Outreach and Policy

- **Expertise database**; the new Science Policy Fellow, Sarah Connors, asks EGU members who want to become more involved with policy to register on the new EGU expertise database

[www.egu.eu/policy/expertise](http://www.egu.eu/policy/expertise)

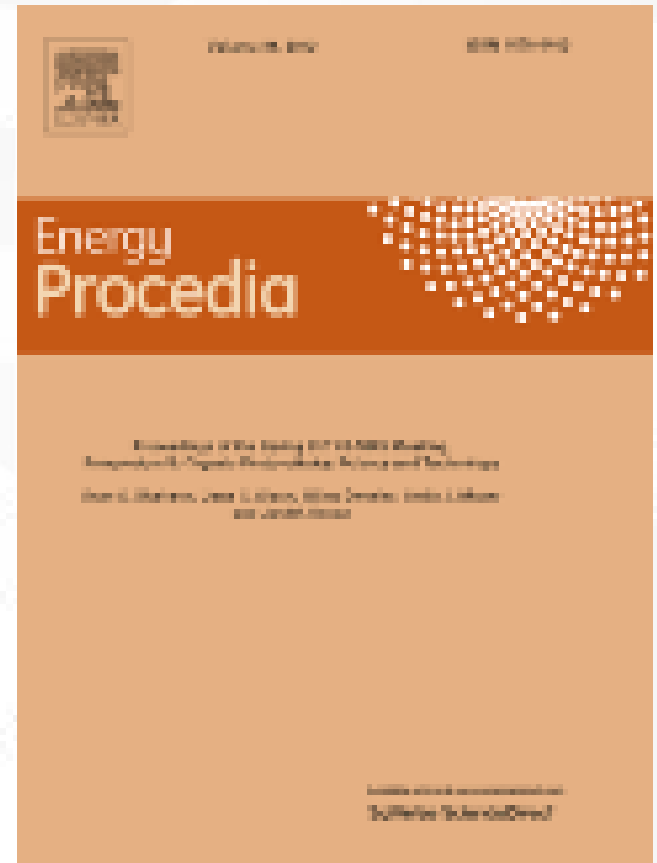
Contact email: [policy@egu.eu](mailto:policy@egu.eu); Website: [www.egu.eu/policy](http://www.egu.eu/policy)

- **Public engagement grants**; Two excellent projects “to celebrate and recognise science communication in the Earth, planetary and space sciences” were selected for 2016, to be announced at 12:15 on Friday. Applications for 2017 are welcome (after November) at: <http://www.egu.eu/user-area/peg/>.

# ERE Division presidential election

- Want to have at least two candidates
- September: nominations
- November: election
- December: results
- New president will take over at next EGU GA in 2017
- Candidates will be able to present themselves on the ERE blog
- You can nominate someone else or yourself

- Issues from 2013, 2014 and 2015 published.
- New issue Fall 2016 from this GA.
- Any presentation from division.
- Deadline 1 June 2016.
- Extended abstract (3-10 pages).
- c. € 100 publication fee.
- Template to be used.
- Review done by ERE board and conveners of this year's meeting.
- Authors should have received information via mail.



- **Setting up skeleton programme now**

- Keep our aim in mind: Energy, Resources & the Environment.
- Strengthen topics and rotate conveners.
- No duplication / overlap among sessions.
- Try to cover emerging topics.
- Encourage interdisciplinarity.
- Sessions < 20 contributions: Will be merged in ERE or across divisions
- Aim is to have a bit over 450 abstracts submitted
- Consider a Pico

Program 2016 - Give your feedback



# Convener responsibilities

- **Submit session and description**
- **Advertise session and actively attract abstracts**
- **Schedule and run session**
  - Only one oral presentation allowed per person
  - Minimize the number of orals from your own organization
  - Encourage poster presentations
  - Observe deadlines and guidelines when setting up the program
  - Organize judges for the OSPP award
  - Ensure that time schedule is kept during oral presentations
  - Attend the EGU GA
- **Respond to requests from program chairman**
- **Consider a PICO**

## ECS in the ERE division

- ERE ECS (Early Career Scientist) representative from 2016
  - Provide a link between the Union and ECS members
  - Give a voice to early-career researchers
  - Ensure their needs are met at the Assembly, and throughout the year
  - Manage platforms for ECS networking and communicating opportunities



*Name:* **Luke Griffiths**

*Job:* PhD student on the subject of Thermal Microcracking in Rock. Includes implications for Geothermal systems

*Research interests:* Experimental and modeled rock physics and geomechanics. Current work on the thermal stressing of rock in a geothermal environment.

- ECS Activities GA 2016:

- Icebreaker, Sunday PM
- ECS Lounge
- ECS Forum
- OSPP awards

ERE Blog “ERE Matters” ([blogs.egu.eu/divisions/ere/](http://blogs.egu.eu/divisions/ere/))

Contributions welcome

- ECS session convening encouraged

Want to get involved? Contact: [luke.griffiths@unistra.fr](mailto:luke.griffiths@unistra.fr)

# New ERE policy officer

- **Kristen Mitchell** has an academic background in isotope biogeochemistry. As a post-doc Kristen investigated marine debris in the North Pacific Ocean and the Great Lakes. While an AAAS Congressional fellow she worked in the U.S. House of Representatives on energy and environment policy. Kristen currently works on both scientific and policy projects ranging from global change science to ocean policy.



Need to approve Luke and Kristen as new officers

# Candidate Awards

- **Division Outstanding Early Career Scientist Award:**

**Definition** of a young scientist: An Early Career Scientists (ECS) is an undergraduate or postgraduate (Masters/PhD) student or a scientist who has received his or her highest degree (BSc, MSc, or PhD) within the past seven years\*.

- **Nominations** for outstanding young scientist award are sought by an open call, including discussion at the division business meetings.
- **Proposals submitted** to Division president by 15<sup>th</sup> June.

- **Division Outstanding Student Poster Presentation or Pico (OSPP):**

- **Registration** is open in association with abstract submission.
- Division president collects **team to review** the posters.
- **This year c. 25 applications**
- Picture, poster **published** on **EGU homepage / newsletter**.
- Receives conference **fee waiver** for the **next EGU GA**.
- **Publication** free of charge in EGU Journal (normal peer review).

- **Outstanding Student Poster Presentation (OSP):**
  - The European Geosciences Union (EGU) presents the award to ...

## Christoffer Otto

- ... for his outstanding poster paper entitled ...  
**Do we have to consider temperature-dependent material properties in large-scale environmental impact assessments of underground coal gasification?**
- Presented at the EGU General Assembly 13 April - 17 April 2015, Vienna.





- **ERE Outstanding Early Career Scientist:**
  - The European Geosciences Union (EGU) presents the award to ...

## **Ali Mohammadi**

- ... for his outstanding research ...

**on renewable energy and biochar at different scales ranging from small household units to large bioenergy power plants with a focus on southeast Asia**

# GA Survey

**[www.egu2016.eu/feedback](http://www.egu2016.eu/feedback)**

- Distribution:
  - via email to participants and EGU members after GA
  - links on social media & blog
  - [egu2016.eu](http://egu2016.eu) website
  - Flyers/cards in Vienna
- Survey live during GA and until mid June

A vertical banner with a blue background featuring a landscape with a waterfall. A large yellow speech bubble is centered on the banner, containing the text 'Please Give Us Feedback!'. Below the speech bubble, the URL 'www.egu2016.eu/feedback' is written in yellow. At the bottom left of the banner is the EGU logo.

**Please  
Give Us  
Feedback!**

**[www.egu2016.eu/feedback](http://www.egu2016.eu/feedback)**