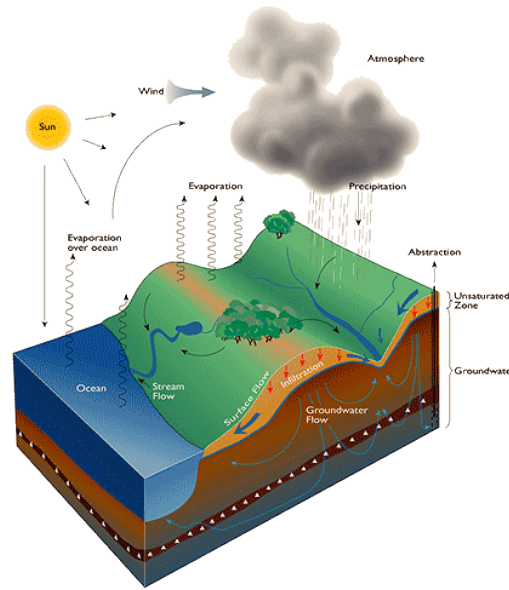




Energy, Resources & the Environment (ERE)



Division Meeting

Friday 17 April 12.15-13.15 hours – Room R13

Email: ere@egu.eu



What is the DM?



- **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:



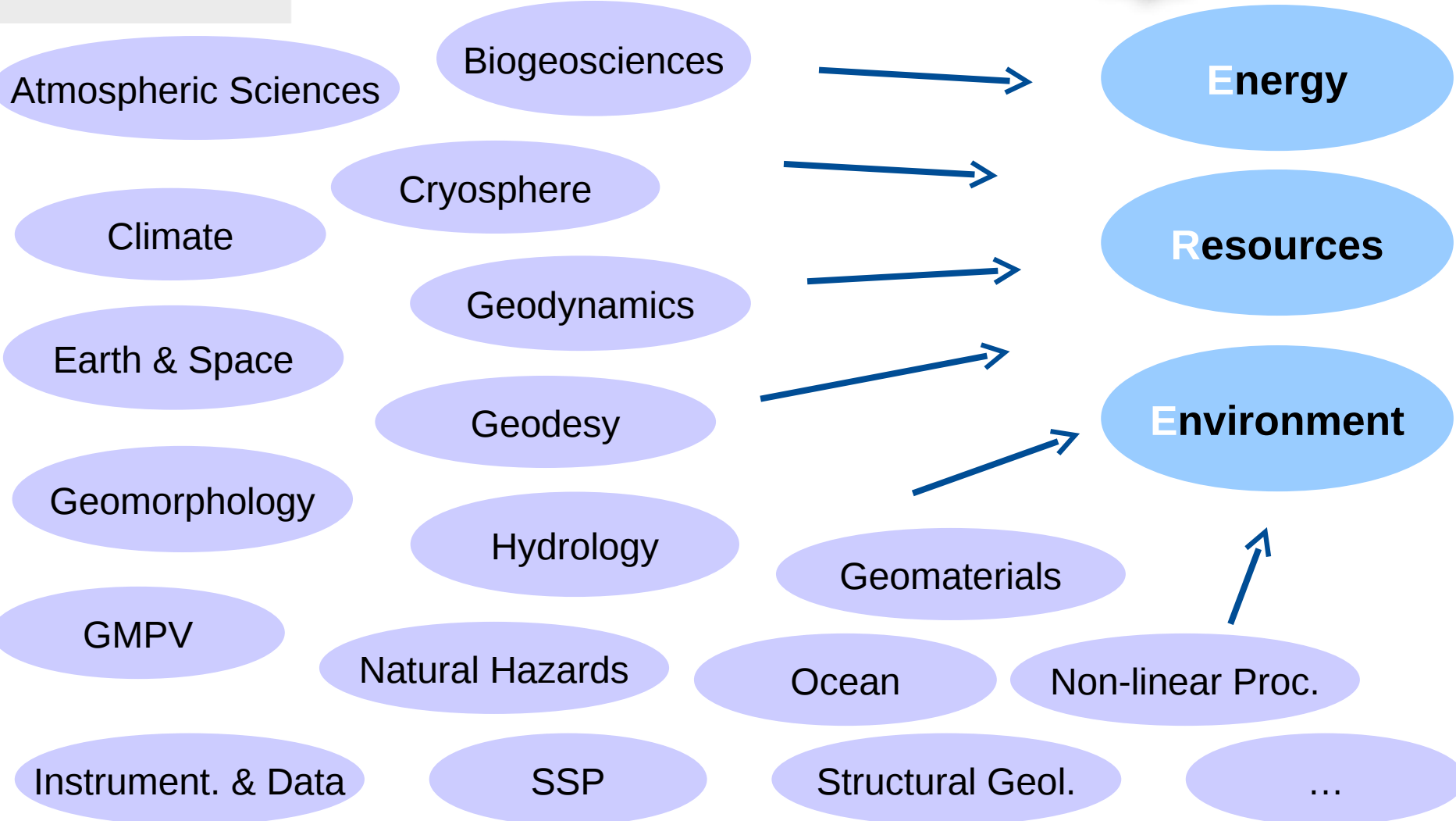
How is EGU run?



- **The eight Union-wide committees** reporting to Council:
 - 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.



Agenda



1. Welcome by the Division President
2. Agenda for the Division Meeting
3. EGU Journals – Specifically ESD (Earth System Dynamics)
4. Report on the Activities of EGU since last year
5. Report on the Activities of ERE since last year
6. Scientific Programme of ERE - 2015 and next year
7. Division Officers
8. Candidate Awards
9. Any other business



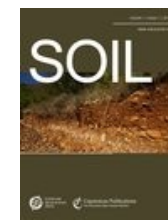
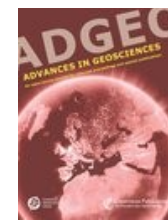
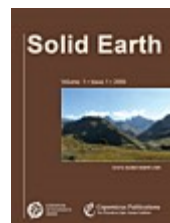
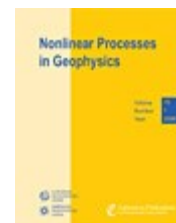
EGU Journals



- **Advantages of Open Access**

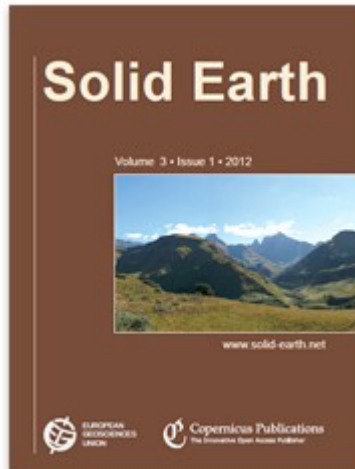
- Immediate free access to the online article.
- Increased citation through unlimited access.
- Author retains copyright.

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





Solid Earth



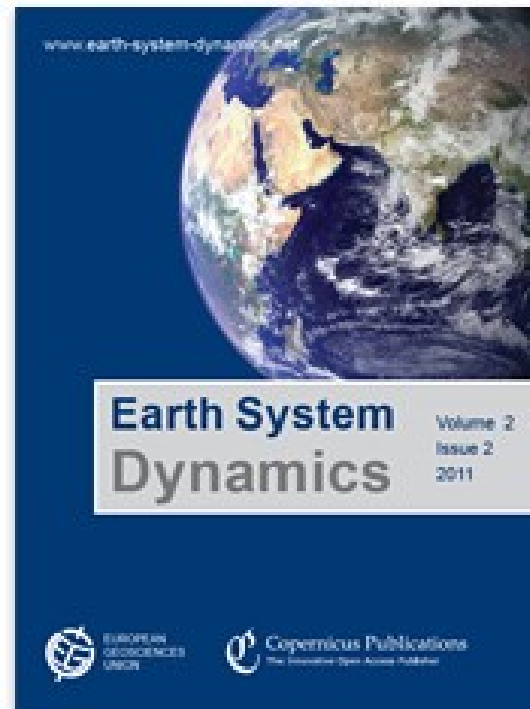
- Solid Earth (SE) is an international scientific journal dedicated to the publication and discussion of multidisciplinary research on the composition, structure and dynamics of the Earth from the surface to the deep interior at all spatial and temporal scales.
- Publication fee: Latex 17 Euro per page



Earth System Dynamics



- **Axel Kleidon - Chief Editor of ESD - would like to make you aware of the journal and as well receive input.**





Earth System Dynamics

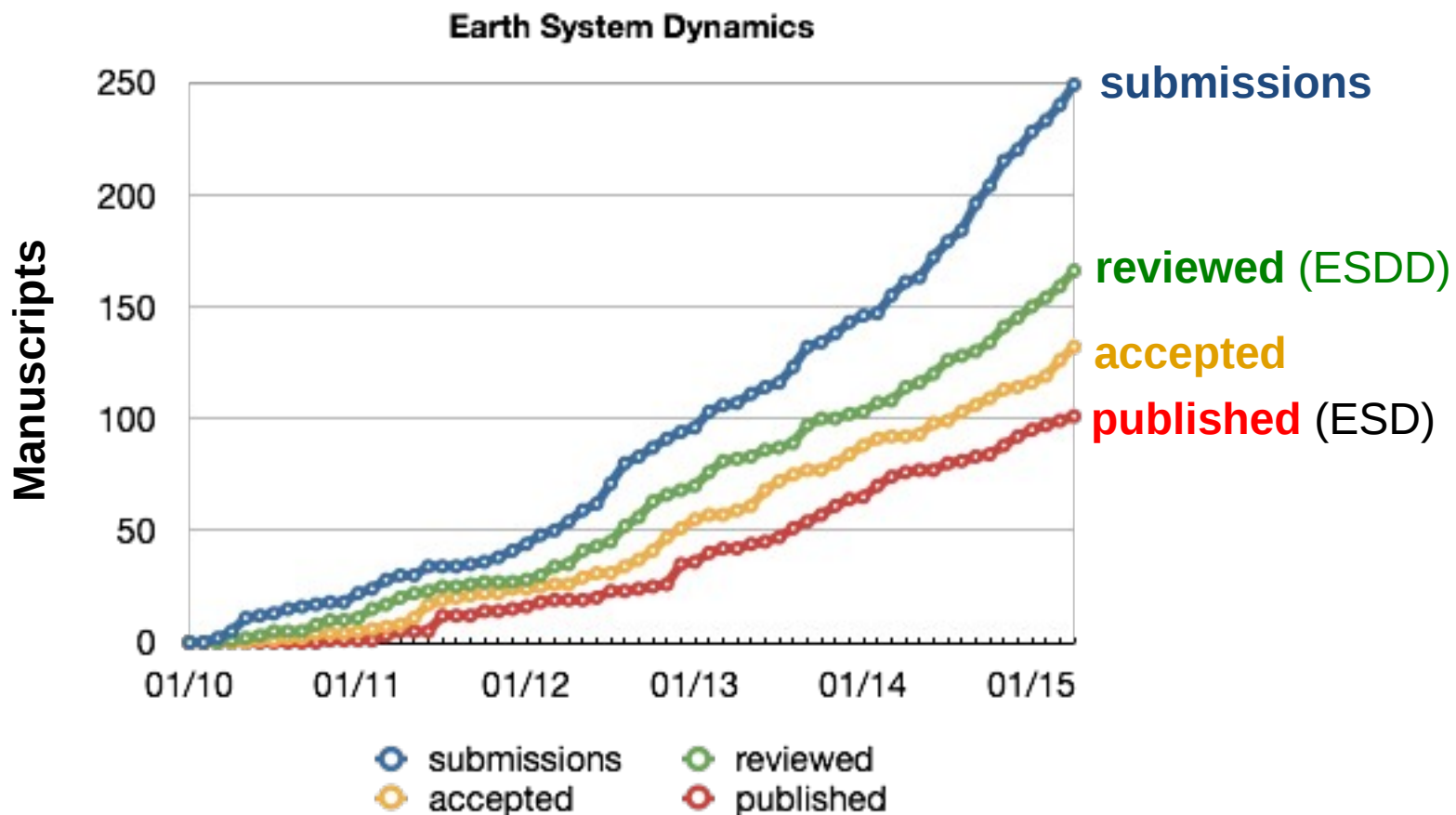
- **Interdisciplinary journal** of the EGU: focus on Earth as a system
 - **Climate dynamics:** e.g., climatology, atmosphere-ocean dynamics, land-atmosphere interactions, ...
 - **Climate change:** e.g., climate prediction, future climate change, impacts of climatic change, integrated assessment
 - **Human activity:** e.g., carbon sequestration, climate engineering, renewable energy, effect of land use change
- **Open review, open access** model of Copernicus
- Relatively new, **ISI-listed** since 2013, first **impact factor** of **2.77** (2014)
- **No page charges** in 2015, reduced charges starting 2016
- Follow us on **twitter: @egu_esd**
- **Chief editors:** axel kleidon, valerio lucarini, ning zeng
- **Editorial board:** 40 editors, international, still growing



NEW



Submissions since 2010



Updated web page; new page layout

The screenshot shows the homepage of the Earth System Dynamics journal. At the top, there is a browser window with the URL 'earth-syst-dynam.net'. The page features a header with the journal title 'Earth System Dynamics' and the subtitle 'An interactive open-access journal of the European Geosciences Union'. A navigation bar includes links for 'EGU.eu', 'EGU Journals', 'Contact', and 'Imprint'. The main content area is titled 'ESD - Recent final revised papers' and lists several articles with their titles, authors, and publication dates. On the right side, there are search boxes for 'Search ESD' and 'Site search'. The left sidebar contains navigation links such as 'About', 'Editorial board', 'Articles ESD', and 'Articles ESDD'. A user login section is located at the bottom left.

earth-syst-dynam.net

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

EGU.eu | EGU Journals | Contact | Imprint

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ESD - Recent final revised papers

Effects of climate variability on savannah fire regimes in West Africa 07 Apr 2015
E. T. N'Datchoh, A. Konaré, A. Diedhiou, A. Diawara, E. Quansah, and P. Assamoi
Earth Syst. Dynam., 6, 161-174, doi:10.5194/esd-6-161-2015, 2015
▶ Abstract ▶ Final Revised Paper (PDF, 1518 KB) ▶ Discussion Paper (ESDD)

The impact of land cover generated by a dynamic vegetation model on climate over east Asia in present and possible future climate 07 Apr 2015
M.-H. Cho, K.-O. Boo, G. M. Martin, J. Lee, and G.-H. Lim
Earth Syst. Dynam., 6, 147-160, doi:10.5194/esd-6-147-2015, 2015
▶ Abstract ▶ Final Revised Paper (PDF, 4121 KB) ▶ Discussion Paper (ESDD)

Decadal regime shift linkage between global marine fish landings and atmospheric planetary wave forcing 02 Apr 2015
A. M. Powell Jr. and J. Xu
Earth Syst. Dynam., 6, 125-146, doi:10.5194/esd-6-125-2015, 2015
▶ Abstract ▶ Final Revised Paper (PDF, 8283 KB) ▶ Discussion Paper (ESDD)

A 12-year high-resolution climatology of atmospheric water transport over the Tibetan Plateau 13 Mar 2015
J. Curio, F. Maussion, and D. Scherer
Earth Syst. Dynam., 6, 109-124, doi:10.5194/esd-6-109-2015, 2015
▶ Abstract ▶ Final Revised Paper (PDF, 8177 KB) ▶ Discussion Paper (ESDD)

Sustainable management of river oases along the Tarim River (SuMaRiO) in Northwest China under conditions of climate change 09 Mar 2015
C. Rumbaur, N. Thevs, M. Disse, M. Ahlheim, A. Brieden, B. Cyffka, D. Duethmann, T. Feike, O. Frör, P. Gärtner, Ü. Halik, J. Hill, M. Hinnenthal, P. Keilholz, B. Kleinschmit, V. Krysanova, M. Kuba, S. Mader, C. Menz, H. Othmanli, S. Pelz, M. Schroeder, T. F. Siew, V. Stender, K. Stahr, F. M. Thomas, M. Welp, M. Wortmann, X. Zhao, X. Chen, T. Jiang, J. Luo, H. Yimit, R. Yu, X. Zhang, and C. Zhao
Earth Syst. Dynam., 6, 83-107, doi:10.5194/esd-6-83-2015, 2015
▶ Abstract ▶ Final Revised Paper (PDF, 9360 KB) ▶ Discussion Paper (ESDD) ▶ Special Issue

Large-scale atmospheric forcing and topographic modification of precipitation rates over High 27 Feb 2015

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Selected energy related papers

- Framing hydropower as green energy: assessing drivers, risks and tensions in the Eastern Himalayas, Ahlers, et al., Earth Syst. Dynam., 6, 195-204, doi:10.5194/esd-6-195-2015, 2015
- Applying the concept of "energy return on investment" to desert greening of the Sahara/Sahel using a global climate model, Bowring, et al., Earth Syst. Dynam., 5, 43-53, 2014
- Can bioenergy cropping compensate high carbon emissions from large-scale deforestation of high latitudes?, Dass, et al., Earth Syst. Dynam., 4, 409-424, 2013
- Jet stream wind power as a renewable energy resource: little power, big impacts, Miller, et al., Earth Syst. Dynam., 2, 201-212, 2011



Activities of EGU



- **EGU Executive Secretary and Office**

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



- **Future General Assemblies**

- 17 April -22 April 2016 - Vienna.
- EGU agreement next 3 years.

- **Conference theme**

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





EGU General Assembly 2015 facts

As of 07 April, the Assembly 2015 provides:

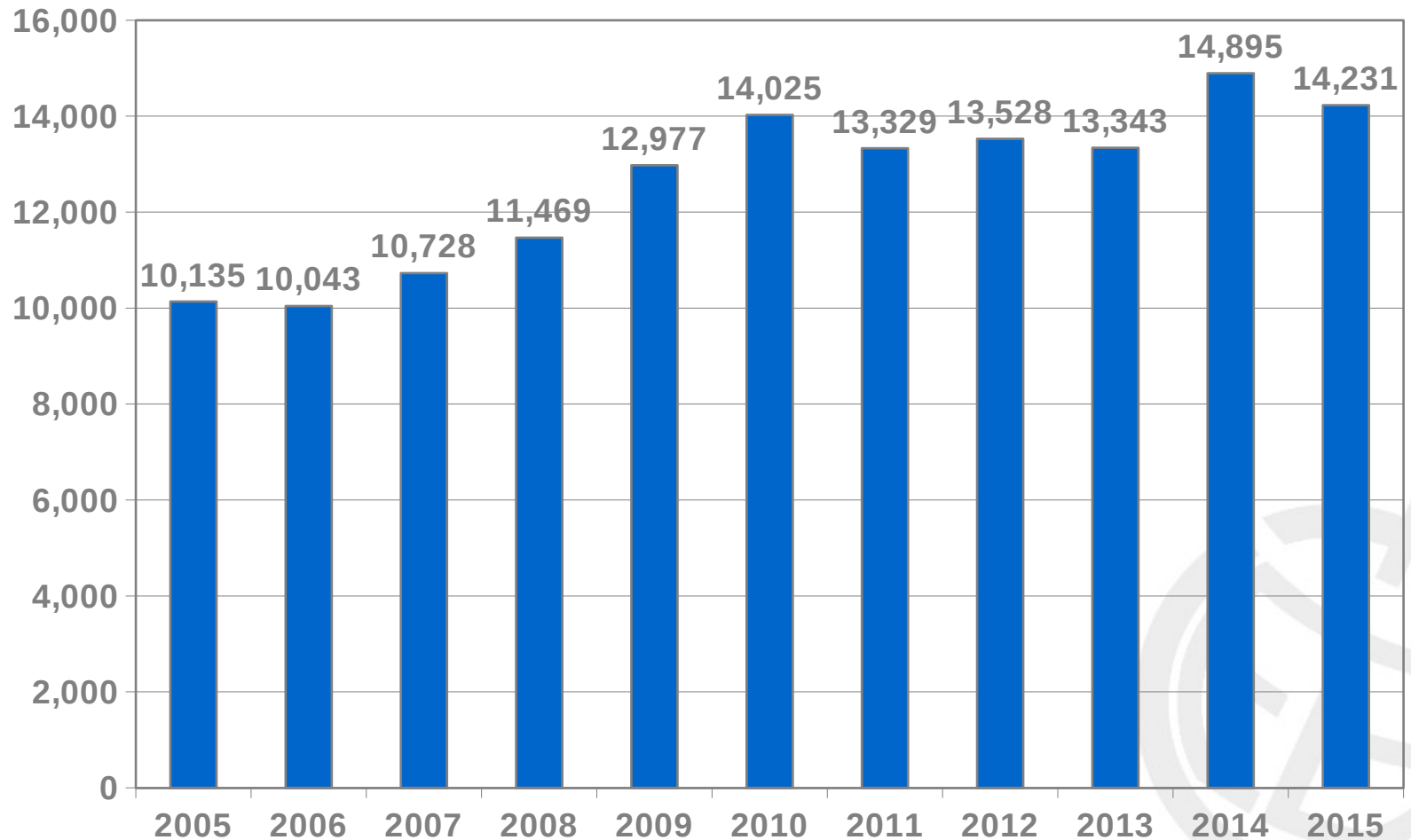
- 14,231 papers in programme | -4.46% (2014)
- 4,900 orals | 8,608 posters | 723 PICOs | ratio 34.5 / 60.5 / 5
- 379 unique scientific sessions | 285 side events*
- 8,848 registrations in advance (8,800 already paid) | -13.77% (2014)

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



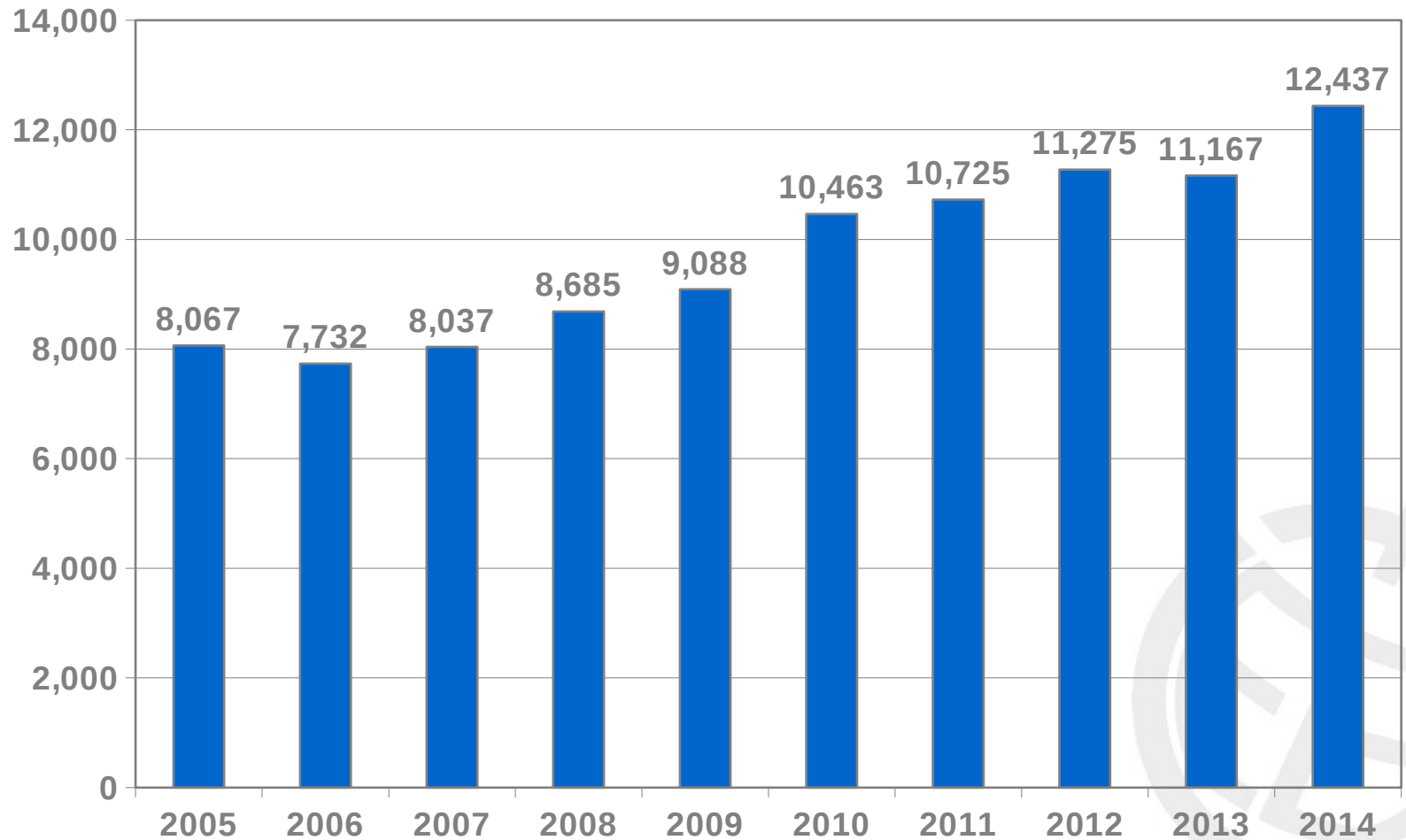


Papers in programme 2005–2015





Participants at EGU Assemblies 2005–2014





Communication Activities at the GA



EGU Today

- EGU Today is a daily newsletter highlighting interesting workshops, lectures and GeoCinema screenings, amongst activities at the Assembly
- Paper copies are distributed daily and are available to download at www.egu2015.eu/egu_today

Blogs

- GeoLog & the EGU Blog Network 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**) and Facebook (**European Geosciences Union**)
- Participants can ask questions & keep updated by following **#EGU2015**



Meetings, Medals & Young Scientists



Meetings Calendar

- A hub of information on conferences and workshops in the geosciences. Add your meeting at 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

Young Scientists

- Young scientists (YS) can find out how to get involved in the Union & benefit from our YS resources at www.egu.eu/young-scientists

Jobs

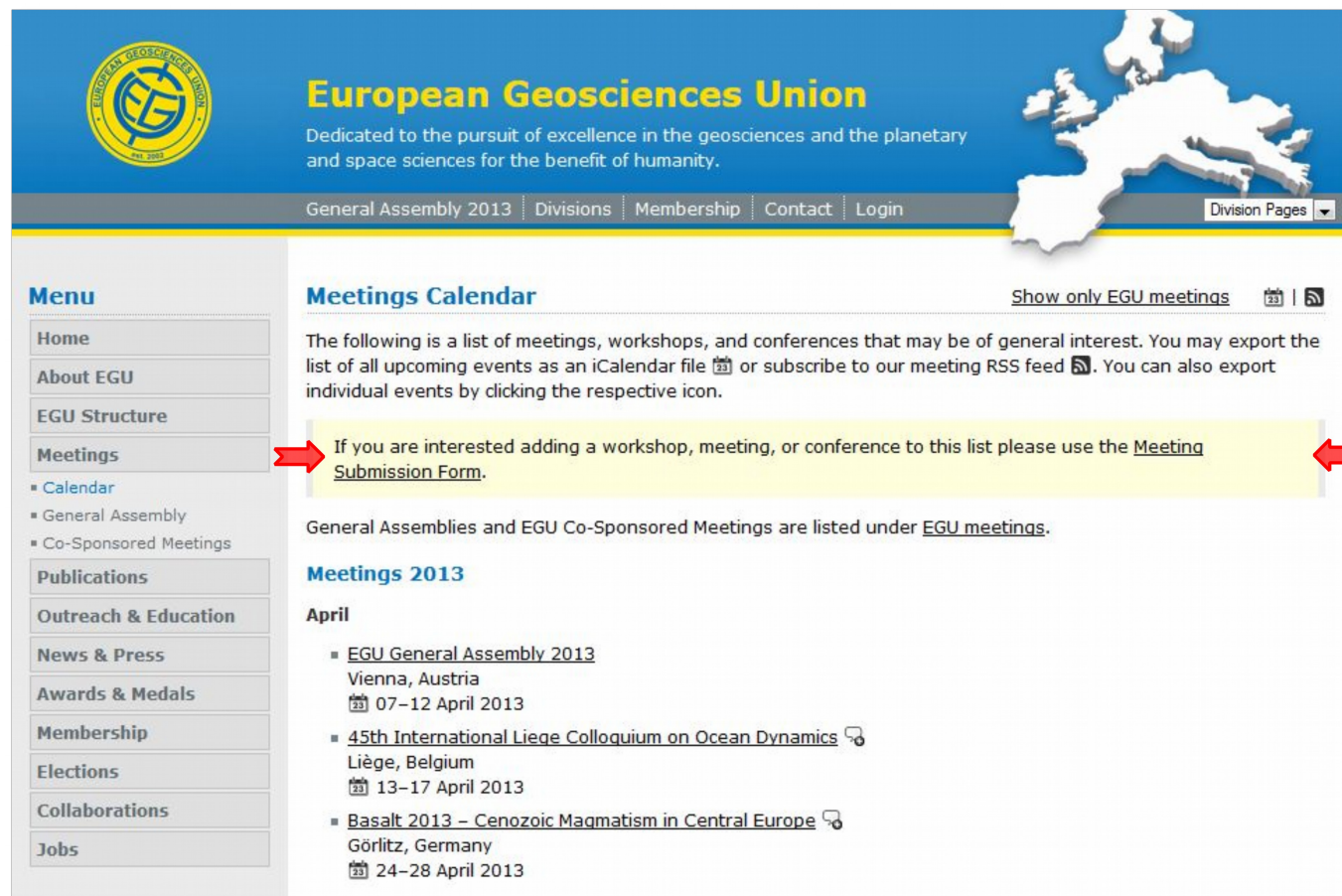
- We advertise geoscientific jobs for free at www.egu.eu/jobs add yours, or look for a new position



www.egu.eu/meetings/calendar/



Why not advertising a meeting you are organising in the EGU meetings calendar?



The screenshot shows the EGU Meetings Calendar website. The header includes the EGU logo, the title "European Geosciences Union", and the tagline "Dedicated to the pursuit of excellence in the geosciences and the planetary and space sciences for the benefit of humanity." Navigation links include "General Assembly 2013", "Divisions", "Membership", "Contact", and "Login". A "Division Pages" dropdown menu is visible on the right.

The main content area is titled "Meetings Calendar" and includes a "Show only EGU meetings" filter and social media icons. The text reads: "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 [iCalendar icon] or subscribe to our meeting RSS feed [RSS icon]. You can also export individual events by clicking the respective icon."

A yellow highlighted box contains the text: "If you are interested adding a workshop, meeting, or conference to this list please use the [Meeting Submission Form](#)." Red arrows point to this box from both sides.

Below this, it states: "General Assemblies and EGU Co-Sponsored Meetings are listed under [EGU meetings](#)."

The "Meetings 2013" section lists events for April:

- EGU General Assembly 2013
Vienna, Austria
[iCalendar icon] 07–12 April 2013
- 45th International Liege Colloquium on Ocean Dynamics [RSS icon]
Liège, Belgium
[iCalendar icon] 13–17 April 2013
- Basalt 2013 – Cenozoic Magmatism in Central Europe [RSS icon]
Görlitz, Germany
[iCalendar icon] 24–28 April 2013



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 is partly sponsoring the event. Financial loss or benefit go to EGU.
- 2 stage application process on-line. “Deadline” for 1st round of applications **November 30th 2015** (submission page coming up in summer).
- Submission from September 1st, 2015



Menu

- Home
- About EGU
- EGU Structure
- Meetings
- Publications
- Outreach & Education
- News & Press
- Awards & Medals
- Membership
- Elections
- Collaborations
- Jobs

Find us on



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



Collaborations



European Geosciences Union

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



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[Elections](#)

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■ [National Geoscientific Societies](#)

Collaborations

Partnerships



American Geophysical Union (AGU)

The American Geophysical Union (AGU), which was established in 1919 by the National Research Council and for more than 50 years operated as an unincorporated affiliate of the National Academy of Sciences, is now a nonprofit corporation chartered under the laws of the District of Columbia. The Union is dedicated to the furtherance of the geophysical sciences through the individual efforts of its members and in cooperation with other national and international scientific organisations.

- [Homepage](#)
- [Memorandum of Understanding \(PDF, 298 KB\)](#)



Asia Oceania Geosciences Society (AOGS)

The Asia Oceania Geosciences Society is an international society established since 2003; formed by like-minded individuals to promote geophysical science and public benefits for Asia and Oceania.

The society participates actively and advances in this field through publication of international journals and developing close connections with local and regional societies.

- [Homepage](#)
- [Memorandum of Understanding \(PDF, 299 KB\)](#)



National Societies Section



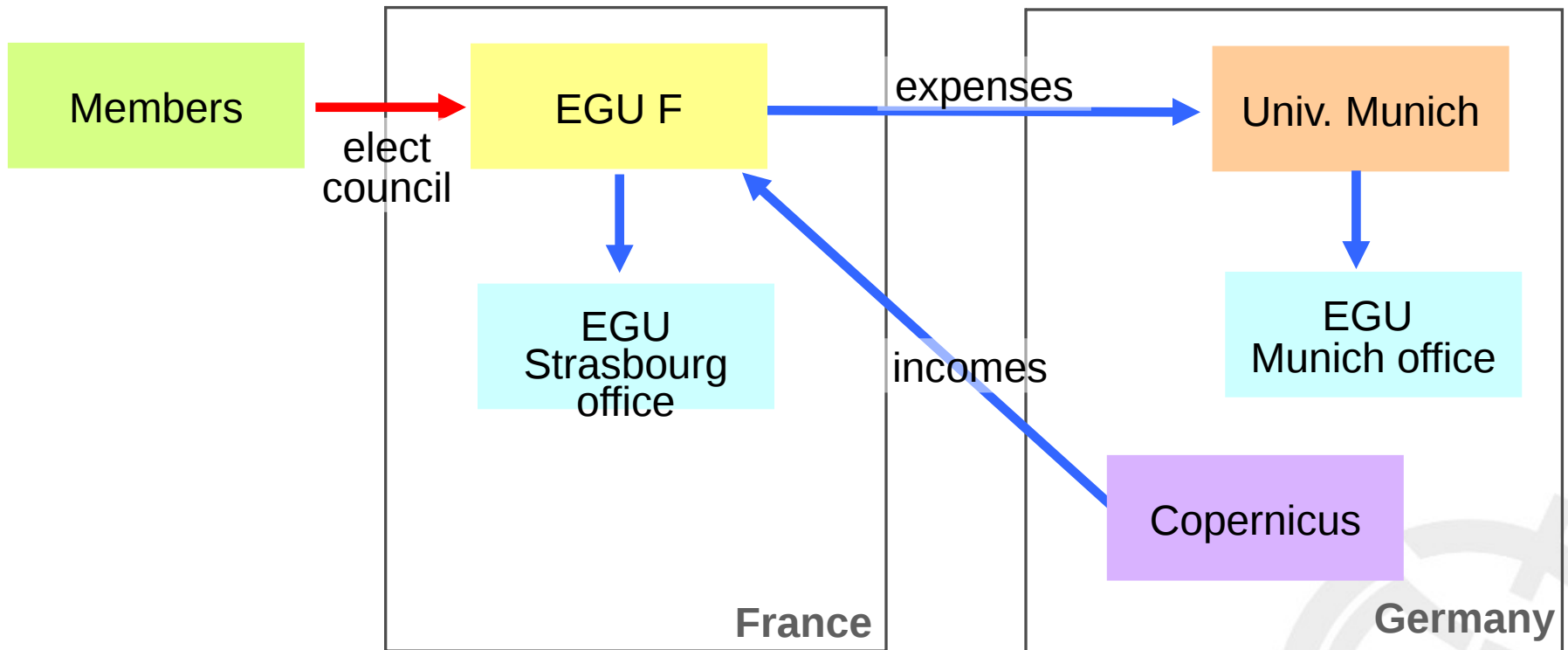
National Geoscientific Societies Section in EGU Website

- ✓ Society members responsible to upload the **content** through on-line form.
- ✓ **Review** of the content by the EGU Office.

The screenshot shows the website for the National Geoscientific Societies section of the European Geosciences Union. The header includes the EGU logo and the text 'European Geosciences Union National Geoscientific Societies'. A navigation bar contains links for 'General Assembly 2013', 'Divisions', 'Membership', 'Contact', 'Login', and 'Division Pages'. A 'Menu' sidebar lists 'Home', 'Meetings', 'Field Trips', and 'Teaching Resources'. Below the menu are social media icons for Twitter, Facebook, Google+, LinkedIn, and YouTube. A 'Links' section includes 'GEOLOG' and 'EGU TV ima ggeo'. The main content area is titled 'National Geoscientific Societies' and contains a yellow box with the text: 'If you are interested adding a national geoscientific society to this list please use the [GeoSociety Submission Form](#).' Below this, a list of societies is shown, with 'Albanian Geophysical Test Society' as the only entry.



Current Setup of EGU



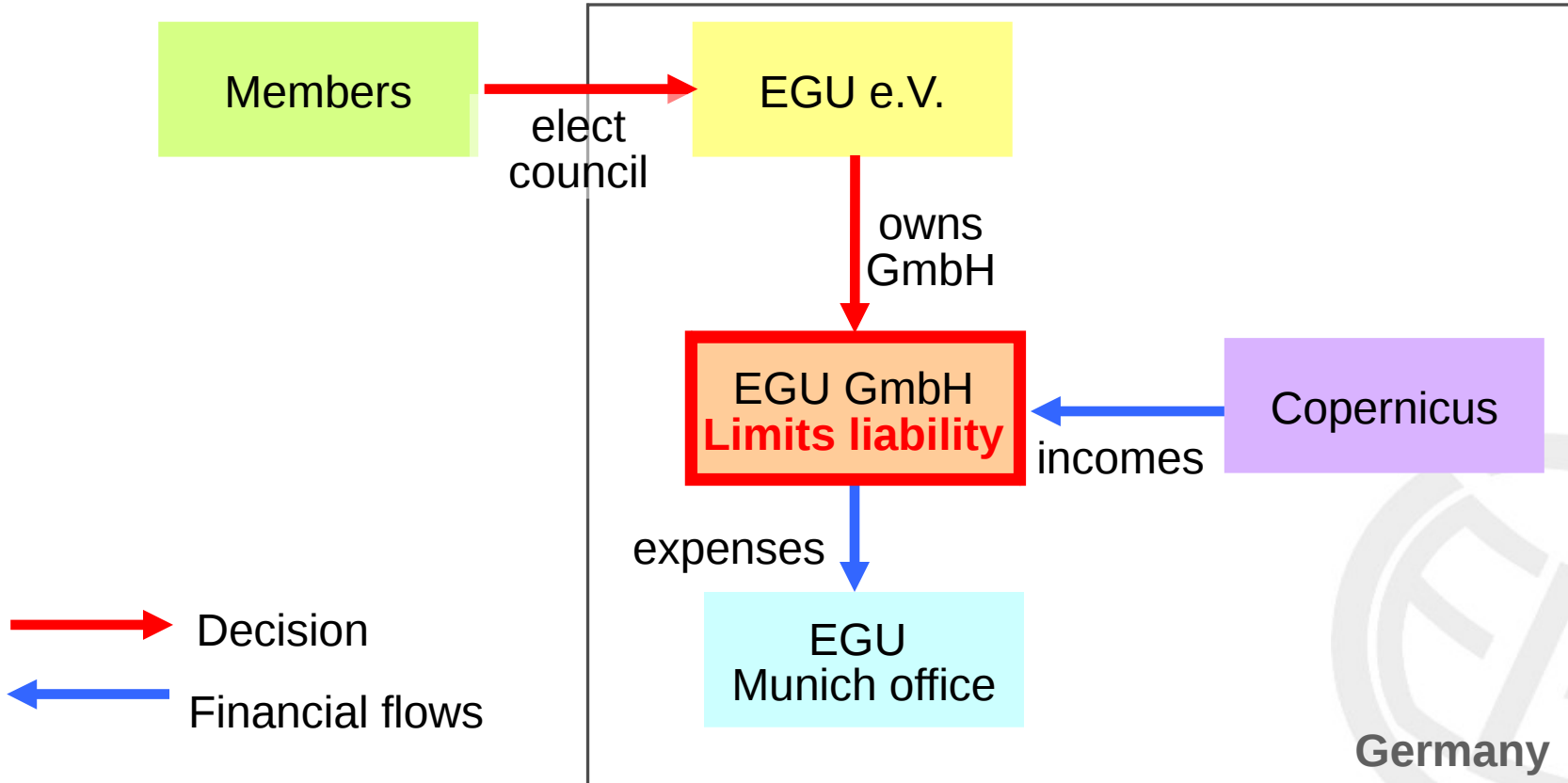
 Decision

 Financial flows



Planned setup of EGU

EGU e.V. is a non-profit association to be registered in Munich,
EGU GmbH will be a business company registered in Munich.





Planned setup of EGU

- 7 Feb. 2015: Foundation meeting of EGU e.V.
- May 2015: Registration of EGU e.V. in Germany
- July 2015: Registration of EGU GmbH in Germany
- Oct. 2015: Sign contract between EGU GmbH and Copernicus (effective as of 1 Jan 2016)
- Jan. 20XX: Current membership become members of EGU e.V.
- 20YY: Wind down EGU registered in France

- Council and Executive Board to handle setup
- **Nothing will change for EGU Members**





ERE Division Officers



- **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 Young Scientist Representative”: Sian Loveless



C. Juhlin



M. Kühn



S. Hangx



S. Loveless



V. Bruckman



M. Ask



H. Held



Activities of ERE



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



ERE Blog



ERE Matters

Matters of the EGU ERE Division... because Energy, Resources and the Environment matter!

About ERE & EGU

ERE Newsletter

EP Special Issues

Contact ERE/EGU

Submit a post

What to see at EGU?: Words on Wednesday - The Green River Natural Analogue as A Field Laboratory To Study the Long-term Fate of CO₂ in the subsurface

POSTED ON [APRIL 8, 2015](#) UPDATED ON [APRIL 7, 2015](#)

Words on Wednesday aims at promoting interesting/fun/exciting publications on topics related to Energy, Resources and the Environment. If you would like to be featured on WoW, please send us a link of the paper, or your own post, at ERE.Matters@gmail.com.

If you are interested in today's WoW, some of the results will be presented during the EGU in session [ERE5.2 Field methods and analysis of field data for CO₂ geological storage](#), on Thursday at 15:30h in room R8. So go check it out! 😊

...

Busch, A, Kampman, N, Hangx, S.J.T., Snippe, J., Bickle, M, Bertier, P., Chapman, H., Spiers, C.J., Pijnenburg, R, Samuelson, J, Evans, J.P., Maskell, A., Nicholl, J., Pipich, V., Di, Z., Rother, G., Schaller, M., 2014. [The Green River Natural Analogue as a field laboratory to study the long-term fate of CO₂ in the subsurface](#). *Energy Procedia* 63, 2821-2830.

Abstract:

About

The European Geosciences Union (EGU) brings together geoscientists from all over the world, covering all disciplines of the earth, planetary and space sciences. 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.

Want to stay up-to-date?

Enter your email address to follow this blog and receive notifications of new posts by email.

erematters.wordpress.com

Blog will be integrated into the EGU website and will be accessible from there



Activities of ERE



- **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 2015



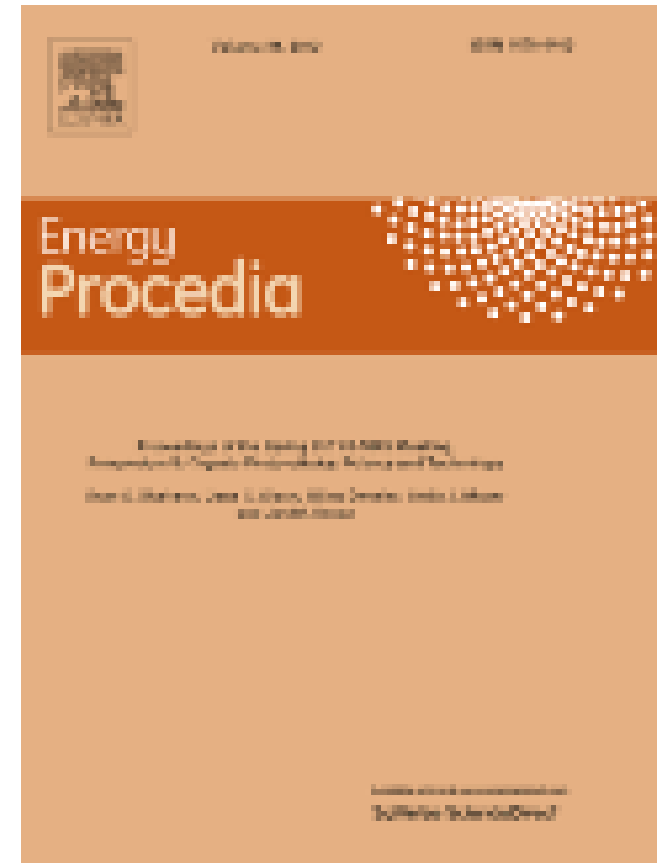
- **ERE1 - Integrated studies**
- **ERE2 - Impact of energy and resource exploitation on the environment**
- **ERE3 - Non-carbon based energy**
- **ERE4 - Carbon based energy**
- **ERE5 - Geo-storage for a sustainable future**
- **ERE6 - Geo-materials from natural resources**



Energy Procedia



- Issues from 2013 and 2014 published.
- New issue Fall 2015 from this GA.
- Any presentation from division.
- Deadline 31 May 2015.
- Extended abstract (3-10 pages).
- c. € 90 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.





Scientific Program 2016



- **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 400 abstracts submitted
- Consider a Pico

Program 2015 – Give your feed back



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
 - Organize judges for the OSP award
 - Ensure that time schedule is kept during oral presentations
- **Respond to requests from program chairman**



ERE Young Scientists Update

Sian Loveless – YS Representative

EGU General Assembly, 2015

17 April 2015



YS in this division

- ERE YS (Young Scientist) representative from 2015
 - Provide a link between the Union and YS members.
 - Give a voice to early-career researchers
 - Ensure their needs are met at the Assembly, and throughout the year
- My aims:
 - Initiate platforms for YS networking and communicating opportunities

About me

Name: **Sian Loveless**

Job: Hydrogeologist British Geological Survey, Wallingford, UK

Research interests: Hydrogeology, geothermal energy, faults and fluid flow, science and policy



- YS Activities GA 2015:
 - Icebreaker, Sunday PM
 - YS Lounge, Monday 15:30 – 17:00 (Farhana Huq)
 - YS Forum, Tuesday 12:15 – 13:15
 - OSP awards
- 2014 – 2015 – ERE Blog “ERE Matters” (<https://erematters.wordpress.com>)
 - Contributions welcomed
- YS session convening encouraged
- Want to get involved? Or have ideas, requests or questions, please feel free to contact me:
 - Sian@BGS.ac.uk / 0044 (0) 1494 692 299



Candidate Awards



- **Division Outstanding Young Scientist Award:**
 - **Definition** of a young scientist: Nominee should have received PhD within last seven years and be of age 35 or younger on January 1 of the year when award is given.
 - **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 15th June.
- **Division Outstanding Student Poster Presentation (OSP):**
 - **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 2013



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

Elisenda Bakker

- ... for her outstanding poster paper entitled ...
- **How does the composition affect the mechanical behaviour of simulated clay-rich fault gauges?**
- Presented at the EGU General Assembly 27 April - 2 May 2014, Vienna.



Feedback / AOB



- **Your say: ...**



European Geosciences Union General Assembly 2015 Feedback Survey



- **... under egu2015.eu/feedback**