

Daily Column

This week has been full of new impressions for all of us in a vibrant EGU meeting with discussions and networking between participants. There are now over 10000 individual stories to tell about the experience and outcome of the General Assembly. The success of the conference is due to the contribution of all attendees. I would like to thank all convenors and authors for creating an inspiring atmosphere. I was particularly pleased with the large impact on the meeting made by early career scientists. This group now forms the majority of participants, and has been very active in generating new initiatives that will further improve future general assemblies.

The theme, A Voyage through Scales, has made us think. I hope that the illustrated book on the theme will be used for enlightening discussions on this topic. The new PICO presentations have been very well received this year. PICO represents a major step towards the future presentation form in scientific meetings, which hopefully will be requested by many convenors in the future. I look forward to seeing you again at the next meeting in 2016. Don't forget to mark the dates 17–22 April 2016 in your calendar. In the meantime you may want to attend one of the EGU topical meetings and to publish your next paper in one of EGU's high-quality open access journals, available for free to everyone in the world.

See you next year in Vienna!

Hans Thybo
EGU President

EGU Today helps you keep up with the many activities at the EGU General Assembly by highlighting sessions and events from the programme. If you have comments or questions, please email Bárbara Ferreira at media@egu.eu. The newsletter is also available online at www.egu2015.eu/egu_today.html.

The day's highlights at a glance

- **08:30** – What is inside? Planetary interiors as viewed from space (US4: Room Y5) / History of geophysics (SM1.5/EOS4/G10.3: Room G3) / Linking evolution of landscapes, soils and biogeochemical cycles through models, novel approaches and soil records (GM6.3/BG2.14/SSS5.8: Room G2) / The brittle-ductile transition in nature, experiment and theory (TS1.6/EMRP4.8/GD7.4: Room B6) / Past and present post-fire environments: the complex interaction among ash, soils, vegetation recovery and human intervention (SSS9.2/BG5.2/GM4.8/HS12.8: Room B2) / Geoscience processes related to Fukushima and Chernobyl nuclear accidents (G11.4/SSS0.27: Room B12)
- **10:30** – Response of the Earth's surface to climate, tectonics and long-wavelength low-amplitude forcing (GM3.1/GD3.8/TS3.6: Room G11) / Air-sea exchanges: impacts on biogeochemistry and climate (AS4.21/BG3.4/OS3.2: Room B9)
- **13:30** – Radiative effects of atmospheric aerosols (AS3.18/CL2.14: Room B15)
- **15:30** – EGU–AGU Great Debate on open access publishing (GDB4: Room R1)
- **All day** – Medal lectures, short courses & YS events (various rooms: see overleaf) / Meet EGU (EGU Booth)

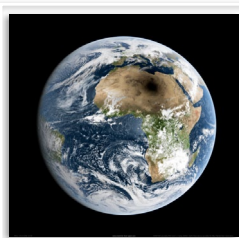


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What is inside? Planetary interiors as viewed from space

Recent progress in our understanding of the Earth's and other planetary interiors has substantially profited from space observations of high accuracy, new modelling techniques and improved interpretation tools. This session aims to compile progress in our knowledge of planetary deep interiors using observation from space.

US4: 08:30–12:00 / Room Y5

History of geophysics

A session aiming to increase awareness of the importance of history for current research. It features contributions relating to great historical discoveries, old data collections and their interpretation, among others.

**SM1.5/EOS4/G10.3:
08:30–10:00 / Room G3**

Linking evolution of landscapes, soils and biogeochemical cycles through models, novel approaches and soil records

The goal of this session is to link observation with dynamic process modelling based approaches to provide a more advanced soil-landscape analysis. It includes contributions from a diversity of disciplines, including geomorphology, biogeosciences, hydrology and soil science.

**GM6.3/BG2.14/SSS5.8: 08:30–12:00 /
Room G2 & Blue Posters**

The brittle-ductile transition in nature, experiment and theory

Rock deformation by brittle and viscous processes is reasonably well understood. But what happens when the end-members interact and result in a transitional regime? This session aims to advance our understanding of the brittle-ductile transition, from field observations, and laboratory and theoretical analyses.

**TS1.6/EMRP4.8/GD7.4: 08:30–10:00 /
Room B6 & Blue Posters**

Radiative effects of atmospheric aerosols

This session will discuss direct and indirect effects of atmospheric aerosols on the radiation budget, with a focus on understanding the role of light-absorbing aerosols.

**AS3.18/CL2.14: 13:30–15:00 / Room
B15 & Blue Posters**

EGU–AGU Great Debate on open access publishing

A debate moderated by the Hubert Savenije, the Chair of the EGU Publications Committee, on open access publishing – which allows free online access to peer-reviewed research – versus traditional publishing. The panelists are Wim van der Stelt (Springer), Gerard Meijer (Radboud University), Ulrich Pöschl (Max Planck Institute for Chemistry), Martin Rasmussen (Copernicus Publications) and Carol Bacchus (Wiley). This session (GDB4) is taking place in **Room R1 from 15:30 until 17:00**.

GeoCinema Highlights

Room GeoCinema



Microbialites from Costa do Sol,
Rio de Janeiro, Brazil: Modern
Analogue for Ancient Seas and
Deep-Water Pre-Salt Reservoirs
13:30–13:45



Symphony of the Soil
15:15–17:00



Dirt! The Movie
17:15–18:25



Project Azolla, from Floating Fern
to Renewable Resource
18:25–18:40

Meet EGU at the EGU Booth

- Division Presidents of Hydrological Sciences (Gerrit de Rooij & Elena Toth), 10:00–10:45
- EGU Treasurer (Patric Jacobs), 10:00–10:45

What to do in Vienna this weekend?

- **Opera for All:** This event takes great performances out of the opera house and into the open square. This Saturday, you can experience L'italiana in Algeri for free. The performance starts at 19:00, make sure you're at the Staatsoper early to get a seat! <http://www.wien.info/en/music-stage-shows/opera-operetta/open-air-opera>
- **Eclectic flea market:** From buckets of tulips to pickles, wines and plump, purple-flushed figs, you can find it all at the Naschmarkt. <http://www.wien-konkret.at/einkaufen/naschmarkt/> Location: 4, Linke und Rechte Wienzeile. U1, U2, U4 Karlsplatz.
- **Chocolate Emporium:** Situated in the 9th district, beneath the stone arches of the Ferstel passage, Xocolat offers the creations of Catalan chocolatier Enric Rovira, Californian Scharffen Berger and Austrian brand Zotter. <http://www.xocolat.at/de/>

The Assembly Online



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BLOGS

blogs.egu.eu
geolog.egu.eu

Medal lectures, short courses & young scientist events

- Open science goes geo – part IV: winning Horizon 2020 with open science (SC26: 08:30–10:00 / Room B4)
- Statistics applied to soil science (SC34: 10:30–12:00 / Room B4)
- Training on the SBAS–DInSAR web tool for surface deformation analysis (SC50/TS10.4: 10:30–13:15 / Room B7)
- **Jean Dominique Cassini Medal Lecture by Jonathan I. Lunine (ML4: 12:15–13:15 / Room Y1)**
- Public interest & research management – Earth sciences for society (EOS9: 13:30–15:00 / Room R12 & Red Posters)

Your highlights of this year's General Assembly

"The best things are the PICO sessions – whatever topic it is – because it's a great way to have the opportunity to present something – and in two minutes – and then you have the opportunity to discuss it with everybody. I think it's a nice idea." Silvia Brizzi, Roma Tre University

"I'm impressed with the organisation, compared to other conferences that I've been to, it is very good. I really enjoyed the von Humboldt Medal Lecture, it was very engaging and entertaining." Christopher Hutton, University of Bristol

"Go to a room like the Young Scientist's Lounge because you meet a lot of people, they are very friendly and you learn a lot from their conversation. It's a good way to get contacts." Advice from Christian Klein, PhD Student, Helmholtz Zentrum, Munich, for first timers at the EGU conference.

Past and present post-fire environments: the complex interaction among ash, soils, vegetation recovery and human intervention

The goal of this session is to bring together studies focused in past and present post-fire environments, including ash, soil and vegetation and how management options can influence landscape recuperation.

SSS9.2/BG5.2/GM4.8/HS12.8: 08:30–12:15 and 13:30–15:15 / Room B2 & Blue Posters

Response of the Earth's surface to climate, tectonics and long-wave-length low-amplitude forcing

This session aims to present innovative studies that primarily quantify relief, relief change, altitude and erosion over different temporal and spatial scales in relation with climate and/or tectonics.

GM3.1/GD3.8/TS3.6: 10:30–12:00 and 13:30–17:00 / Room G11 & Blue Posters

Air-sea exchanges: impacts on biogeochemistry and climate

This session will address the atmospheric deposition fluxes, impact of nutrients and toxic substances to the ocean, the emissions and fate of gases and aerosols emitted from the ocean surface, and major uncertainties limiting our understanding and evaluation of these impacts on marine biogeochemistry and climate.

AS4.21/BG3.4/OS3.2: 10:30–12:15 / Room B9 & Blue Posters

Geoscience processes related to Fukushima and Chernobyl nuclear accidents

A session with presentations on updated observations, new theoretical developments, methods and tools which could improve our predictive capabilities during eventual future nuclear emergencies.

G11.4/SSS0.27: 08:30–12:00 / Room B12 & Red Posters

EGU 2016 General Assembly: Active Planet



This year's EGU General Assembly was all about voyages through scales in space and time. The conference returns next year, right here in Vienna, with a new theme: Active Planet. Mark the dates (17–22 April 2016) on your calendar, and check the website www.egu2016.eu in the next few months for updates. See you next year!