

Daily Column

Dear colleagues, I hope you are enjoying the meeting just as much as I am. It features a vibrant programme thanks to the commitment of all of you. With lots of side events, PICO, the Young Scientists' Lounge, there's something for everyone. A round of applause for all those who helped make this meeting a success.

You probably have noticed this year's theme: A Voyage through Scales. As the boards say, "an invitation to contemplate the Earth's extraordinary variability extending from milliseconds to billions of years, from microns to the size of the Universe". Scales are in fact an amazing thing when one comes to think what a narrow range of space and time scales we can grasp unaided, and how far our instruments – from microscopes to satellites – have extended our sensory abilities. You should have received a photo book that presents the theme through the prism of our open access journals and illustrates the rich diversity of processes we are exploring within EGU. And yet, many processes are closely linked and there is a lot of similarity of approaches. We may be amazed by the exciting results our colleagues from other fields have in store for us.

Enjoy the meeting at the fullest.

Günter Blöschl
Outgoing President of EGU



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** – Polar climate predictability and prediction (CL3.4/AS1.4/CR6.5/OS1.9: Room Y6) / Geoh Heritage, geodiversity and landscapes: a key issue for present and future studies (SSS9.11/ EOS10/GM4.4: Room B5) / Interactions between tectonics and surface processes from mountain belts to basins (TS3.1/GM3.4: Room G8) / Communication and education in geoscience: practice, research and reflection (EOS6: Room R12) / The evolution and architecture of rifts and rifted passive margins: observations and modelling TS5.1/GD5.5/GMPV7.13: Room B8)
- **10:30** – Scientific exploitation of Copernicus Sentinels – EO research and innovation (GI2.9: Room B12)
- **13:30** – Geophysics and resilience – what is at stake? (US3: Room B14) / New missions and techniques for planetary exploration (PS1.1/GI2.10: PICO Spot 1)
- **15:30** – Negotiating climate policy – resigning to resilience? (GDB3: Room Y1) / Platforms, sensors and applications with unmanned aerial systems in the geosciences (SSS12.11/ESSI2.14/ GMPV7.2: PICO Spot 3)
- **19:00** – A community journal grown up: celebrating 10 years of Climate of the Past (UM22: Room Y9)
- **All day** – Medal lectures (various rooms: see below) / Short courses & YS events (various rooms: see overleaf) / Meet EGU (EGU Booth)

Negotiating climate policy – resigning to resilience?

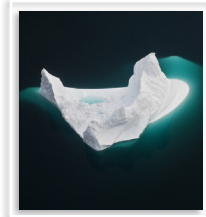


Image credit: Romain Schläppy, imagegeo.egu.eu

Nations are striving to negotiate a new global climate change agreement in late 2015 in Paris. These negotiations offer governments a crucial occasion to reach a broad, balanced and durable agreement strengthening the international climate effort. This Great Debate will discuss two possible avenues that humanity can choose: pursue negotiations and achieve a solution that combats global warming, or put more effort on adaptation and resilience building. The panel will discuss emission scenarios and related climate consequences.

GDB3: 15:30–17:00 / Room Y1

Geophysics and resilience – what is at stake?

A Union-wide session (US3) dedicated to resilience to geophysical extremes. It includes six presentations that critically analyse large-scale projects that have been developed in order to increase resilience in Europe and elsewhere. It's taking place in **Room B14 from 13:30 to 17:00**.

Today's medal lectures

- Julius Bartels Medal Lecture by Sami Solanki (ML17: 10:30–11:30 / Room Y5)
- Arthur Holmes Medal Lecture by Carlo Laj (ML3: 12:15–13:15 / Room Y1)
- Augustus Love Medal Lecture by Gregory Houseman (ML9: 13:30–14:45 / Room B10)
- Jean Baptiste Lamarck Medal Lecture by Wolfgang Schlager (ML15: 16:00–17:00 / Room B1)
- Ralph Alger Bagnold Medal Lecture by Heather Viles (ML24: 18:00–20:00 / Room B8)
- John Dalton Medal Lecture by Diane McKnight (ML16: 19:00–20:00 / Room R1)
- Plinius Medal Lecture by Alfredo M. Lagmay (ML23: 19:00–20:00 / Room G9)
- Vening Meinesz Medal Lecture by Geoffrey Blewitt (ML27: 19:00–20:00 / Room G11)

A community journal grown up: celebrating 10 years of Climate of the Past

A public reception hosted by the editors of the EGU open-access journal Climate of the Past. Open to journal editors, authors and potential authors!
UM22: 19:00–20:00 / Room Y9

Polar climate predictability and prediction

A session featuring presentations advancing understanding of the mechanisms that control polar climate variability on sub-seasonal to multi-decadal timescales and climate change. It aims to further the connection between the atmospheric, oceanic and cryospheric research and operational communities.
CL3.4/AS1.4/CR6.5/OS1.9: 08:30–10:00 / Room Y6 & Blue Posters

GeoCinema Highlights

Room GeoCinema



Urban Water Vision, 12:15–12:27



Uroi volcano, Romania, 14:40–14:50



Methane Dream or Nightmare? Part 1: Investigating a Climate Alert, 15:15–16:00



Methane Dream or Nightmare? Part 2: Methane Hydrates, a New Energy Bonanza?, 16:00–16:45

Meet EGU at the EGU Booth

- Awards Committee Chair (Alberto Montanari), 08:30–09:15
- Division President of Climate: Past, Present & Future (Thomas Blunier), 10:00–11:30
- EGU brings ERC to you – Meet the ERC Executive Agency member Claudia Alves de Jesus Rydin, 13:30–14:15
- Editor-in-Chief of Annales Geophysicae (Ioannis A. Daglis), 14:15–15:00
- Division President of Atmospheric Sciences (Annica Ekman), 15:45–16:30
- Executive Editor of Ocean Science (John M. Huthnance), 16:30–17:15

Presenting Interactive Content

PICO – Presenting Interactive Content™ – brings together the advantages of both oral and poster presentations. It is an innovative format that opens the opportunity to be interactive. Find out more about this type of presentation by visiting a PICO spot during a session, or read more about it online at www.egu2015.eu/pico.html.



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Short courses & young scientist events

- Meet the expert in hydrology – the mystery of evaporation (SC14/HS11.1: 10:30–13:15 / Room R7)
- Geology and international development – what is ‘best practice’? (SPM1.20: 12:15–13:15 / Room R2)
- Seismology for non-seismologists (SC42: 12:15–13:15 / Room B4)
- Starting a ClimateSnack/Scisnack writing group (SPM1.9: 12:15–13:15 / Room R9)
- Open science goes geo – part III: beyond data and software (SC25: 17:30–19:00 / Room B5)
- Public engagement and outreach – Scientists must film! Filmmaker workshop (SC37: 17:30–19:00 / Room R4)
- What role for young scientists in the climate change debate? (SC49: 17:30–19:00 / Room B2)

Geoheritage, geodiversity and landscapes: a key issue for present and future studies

Session focusing on the relationships between geodiversity, the physical environment and cultural elements of landscapes and geoheritage, and the new insights in the geodiversity of landforms, among other topics.

SSS9.11/EOS10/GM4.4: 08:30–12:00 and 13:30–17:00 / Room B5 & Blue Posters

Interactions between tectonics and surface processes from mountain belts to basins

The coupling between tectonics and erosion governs the dynamics of mountain belts and basins and controls the appearance of Earth’s landscape. This session addresses the interactions between basin or upland tectonics and the sedimentary system, from erosion to transport and deposition.

TS3.1/GM3.4: 08:30–12:00 and 13:30–15:00 / Room G8 & Blue Posters



Image credit: Jane Robb

Communication and education in geoscience: practice, research and reflection

Scientists communicate to non-peer audiences through numerous pathways including blogs, public lectures, media interviews, and educational collaborations. This session encourages critical reflection on science communication practices and provides an opportunity for presenters to share their experiences in this field.

EOS6: 08:30–12:00 and 13:30–15:00 / Room R12 & Red Posters

The evolution and architecture of rifts and rifted passive margins: observations and modelling

The formation of rifted continental margins by extension of continental lithosphere is a key component of the plate tectonic cycle, with a clear economic interest due to hydrocarbon occurrences. This session discusses open questions in passive margin formation, such as: What are the processes responsible for anomalous vertical motions during basin evolution? Can we identify controls on the crustal architecture of rifted margins? And what is the role of strain localisation? Raphael Pik, Kate Rychert, Luc Lavier are invited speakers.

TS5.1/GD5.5/GMPV7.13: 08:30–12:00 and 13:30–17:00 / Room B8 & Blue Posters

New missions and techniques for planetary exploration

A session addressing new mission concepts, mission techniques and new technologies that apply to future planetary science and exploration.

PS1.1/GI2.10: 13:30–15:00 / PICO Spot 1

Platforms, sensors and applications with unmanned aerial systems in the geosciences

The session will provide an overview of the current state of research in the geosciences using unmanned aerial systems (commonly known as drones) and the challenges that need to be tackled.

SSS12.11/ESSI2.14/GMPV7.2: 15:30–17:00 / PICO Spot 3

Scientific exploitation of Copernicus Sentinels – EO research and innovation

Copernicus will provide accurate, up-to-date and globally available information on an operational basis for services and applications related to land, sea/ocean and atmospheric monitoring as well as to emergency response and security in support of European policies. The session is intended to outline the status of the Copernicus system and related scientific activities.

GI2.9: 10:30–12:00 / Room B12 & Red Posters

What’s on tomorrow

- EGU–AGU Great Debate on open access publishing (GDB4: 15:30–17:00 / Room R1)
- What is inside? Planetary interiors as viewed from space (US4: 08:30–12:00 / Room Y5)