



HIGHLIGHTS AT A GLANCE

- 08:30 – Vegetation-climate interactions across time scales (US1: Room E2); Big data and machine learning in geosciences (IE3.2: Room L2); Teaching structural geology and tectonics (TS1.2: PICO spot 1); Recent developments in numerical models (AS4.10: Room 0.94)
- 13:30 – Information extraction from satellite Earth observations using data-driven methods (IE3.1: Room L2); Into the Anthropocene (CL1.01: Room 0.14); From artefact to historical site (GI3.3: Room M2); Geoarchaeology (GM7.3: Room L3)
- 15:30 – Cross disciplinary observations for an integrated understanding of the Arctic (IE1.2: PICO spot 5b); Surface drifters in ocean science (IE3.7: Room L2)
- 17:30 – EGU Award Ceremony (US0: Room E1)
- 19:00 – Should early career scientists be judged by their publication record? (GDB6: Room G1)
- All day – Medal lectures (various rooms: see right); Short courses & ECS events (various rooms: see right); Meet EGU (EGU Booth); Geo Cinema (Room 0.90)

EGU Today helps you keep up with the many activities at the General Assembly by highlighting sessions and events from the programme. If you have comments or questions, email Bárbara Ferreira at media@egu.eu. The newsletter is also available online at egu2017.eu/egu_today.html.

Should early career scientists be judged by their publication record? A set of group debates

Being an early career scientist (ECS) in the geosciences can be very difficult, especially as securing long-term and permanent contracts often relies heavily on a candidate's publication record. Is this fair? And if not, then what should an ECS be judged on, and how? This Great Debate allows the people most affected by these issues to debate them and gives the opportunity to develop some potential solutions. Free drinks provided, to help lubricate the discussion!

GDB6: 19:00–20:30 / Room G1

Vegetation-climate interactions across time scales



Credit: Anahita Modabberi, via imageo.egu.eu

This session aims to bring together scientists from different fields, including palaeoecology, ecophysiology, geology and climate science, to exchange knowledge on the different processes through which plants interact with the climate system across time scales.

US1/AS4.52/BG9.67/CL4.20/SSS0.4

Orals / 08:30–12:00 / Room E2

Posters / Attendance 13:30–15:00 / Hall X4

Today's medal lectures

- Arne Richter Award for Outstanding ECSs Lecture by João C. Duarte (ML6/TS: 09:30–10:00 / Room D3)
- Arne Richter Award for Outstanding ECSs Lecture by Federico Bianchi (ML5/AS: 10:30–11:00 / Room F1)
- Hans Oeschger Medal Lecture by Denis-Didier Rousseau (ML14/CL: 10:30–11:30 / Room F2)
- Beno Gutenberg Medal Lecture by Hitoshi Kawakatsu (ML10/SM: 11:00–12:00 / Room K1)
- CR Division Outstanding ECS Award Lecture by Ricarda Winkelmann (ML34/CR: 11:00–11:15 / Room G2)
- BG Division Outstanding ECS Award Lecture by Michaela A. Dippold (ML32/BG: 11:45–12:00 / Room 2.20)
- Arne Richter Award for Outstanding ECSs Lecture by Julia K. Thalmann (ML8/ST: 12:00–12:30 / Room L3)
- Alfred Wegener Medal Lecture by Murugesu Sivapalan (ML2/HS: 12:15–13:15 / Room E1)
- GM Division Outstanding ECS Award Lecture & Penck Lecture by Dirk Scherler (ML39/LRS5/GM: 12:15–13:15 / Room N1)
- Lewis Fry Richardson Medal Lecture by Edward Ott (ML18/NP: 13:30–14:30 / Room D2)

Short courses & early career scientist events

- **EGU Early Career Scientists' Forum (FAN2: 12:15–13:15 / Room L2): your opportunity to provide feedback on ECS activities and be more involved with the EGU!**
- Open Science Clinique: winning grant proposals with Open Science (SC74: Wed & Thu, 08:30–12:00 / Room -2.85)
- Rhyme your research (SC39: 10:30–12:00 / Room -2.91)
- Finding funding for your science film (SC78: 10:30–12:00 / Room 0.90)
- The nuts and bolts of blogging with Wordpress (SC13: 13:30–15:00 / Room -2.91)
- Working at the science-policy interface – meet the experts (SC27: 13:30–15:00 / Room -2.16)
- Unmanned aerial vehicle (UAV) technology for monitoring natural hazardous areas (SC53: 15:30–17:00 / Room -2.85)
- Successful strategies to design, develop and write a scientific paper (SC92: 17:30–19:00 / Room N2)

EGU Award Ceremony

Come celebrate the recipients of the 2017 EGU awards and medals at the EGU Award Ceremony (US0) at 17:30–20:00 / Room E1.

Geo Cinema Highlights

Room Geo Cinema (0.90)



Ships and Waves Reaching Polar Regions, 14:33–14:45



Food Security, Agroecology and Climate Change -and- Farmers in Madagascar adopt Agro-Ecological Practices, 16:16–16:31

Meet EGU (EGU Booth)

- Division President of Geomorphology (Peter van der Beek), 09:15–10:00 & 10:30–11:15
- Division President and the ECS Representative of Hydrological Sciences (Elena Toth, Shaun Harrigan), 11:15–12:00
- Division Presidents of Biogeosciences (Alina Stadnitskaia and Giuliana Panieri), 12:00–12:45
- Executive Editor of Solid Earth (Elias Samankassou), 13:30–14:15
- Division President and the ECS Representative of Geodesy (Johannes Böhm, Roelof Rietbroek), 13:30–15:00
- Division President of Cryospheric Sciences / EGU Topical Events Committee Chair (Jürg Schweizer), 15:00–15:30
- ECS Representative of Ocean Sciences (Maribel I. García-Ibáñez), 15:00–17:00

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Interdisciplinary events

These events tackle a common theme through an interdisciplinary combination of approaches, aiming to foster cross-division links and collaborations.

- Big data and machine learning in geosciences (IE3.2/NP4.3: Orals / 08:30–12:00 / Room L2, Posters / 17:30–19:00 / Hall X4)
- Information extraction from satellite Earth observations using data-driven methods (IE3.1/BG9.58: Orals / 13:30–15:00 / Room L2, Posters / 17:30–19:00 / Hall X4)
- Cross disciplinary observations for an integrated understanding of the Arctic system (IE1.2/CR6.11/AS4.23: 15:30–17:00 / PICO spot 5b)
- Surface drifters for addressing big questions and applications in interdisciplinary ocean science (IE3.7/OS1.23: Orals / 15:30–17:00 / Room L2, Posters / 17:30–19:00 / Hall X4)

Into the Anthropocene

This session focuses on observing surface temperature and on analysis and interpretation of temperature change, heat waves and rainfall changes and extremes over the entire instrumental record.

CL1.01/AS4.9/CR1.12/HS7.9/OS1.13:
Orals / 13:30–15:00 / Room 0.14
Posters / Attendance 17:30–19:00 / Hall X5

Teaching structural geology and tectonics in the 21st century

New styles of teaching, such as blended learning and flipping the class room, and state-of-the-art data collection, modelling and visualisation tools find their way into higher education courses in structural geology and tectonics. These ideas will be presented and discussed in this PICO session.

TS1.2/EOS4: 08:30–10:00 / PICO spot 1

Geoarchaeology

This session features papers with a focus on past landscape evolution, geomorphological processes, human impact, as well as system adaptation and response to climatic and environmental change from the past to the present.

GM7.3/CL1.09/SSS3.11:
Orals / 13:30–17:00 / Room L3,
Posters / Attendance 17:30–19:00 / Hall X2

From artefact to historical site: geoscience and non-invasive methods for the study and conservation of cultural heritage

In this sessions, speakers will present the state of art of geoscience-, novel-instrumentation and data-processing approaches to support the study and conservation strategies of the historical built heritage, monuments and artistic (movable) artefacts, such as sculptures, paintings and frescoes.

G13.3/EMRP4.35/ESS1.10/NH9.20:
Orals / 13:30–15:00 / Room M2
Posters / Attendance 17:30–19:00 / Hall X4

Recent developments in numerical atmospheric, oceanic and sea-ice models

Over time, numerical models have become capable of sophisticated simulations, incorporating features such as multi-scale prediction, structure-preserving discretisation and a detailed treatment of physics. This session, which includes an invited talk by Tim Palmer (U. Oxford), will present work undertaken to improve the efficiency and accuracy of atmospheric, ocean and sea-ice models.

AS4.10/CL5.12/ESS1.14/OS4.15: Orals / 08:30–12:00 / Room 0.94
Posters / Attendance 17:30–19:00 / Hall X5

Exhibition, EGU & Friends

Exhibition booths (open Mon–Thu, 09:00–18:00 and Fri, 09:00–13:00) for companies, publishers, research facilities, and scientific organisations, are scattered throughout the brown (basement), yellow (ground floor), and green (first floor) levels. The EGU & Friends exhibition area (same opening hours) in Hall X2, brown level, is the place to go to learn more about the EGU and its partner organisations. This year, you'll find large booths – including those of NASA and ESA – by the EGU booth, too.

What's on tomorrow

- Make Facts Great Again: how can scientists stand up for science? (US3: 10:30–12:00 / Room E2)
- Great Debates on Arctic environmental change (GDB1: 08:30–10:00 / Room E2), next generation cities (GDB2: 15:30–17:00 / Room D1), and Open Science (GDB4: 15:30–17:00 / Room E1)
- And four interdisciplinary events!