



HIGHLIGHTS AT A GLANCE

- 08:30 – Arctic environmental change (GDB1: Room E2); Atmosphere–Cryosphere interaction in the Arctic, high latitudes & mountains (IE1.1: Room L2); Natural hazards education, comms. and science-policy-practice interface (IE4.1: PICO spot 5a); Rising methane and climate (AS3.25: Room 0.11); Precipitation uncertainty and variability (HS7.2: Room 2.95)
- 10:30 – Make Facts Great Again (US3: Room E2); Biogeomorphology (GM6.2: Room L3)
- 13:30 – The GEO Geohazards Supersite initiative (IE4.2: Room L2); Tectonic inheritance (TS6.2: Room G1); Ocean and continental drilling (SSP1.3: Room 1.85)
- 15:30 – Is Open Science the way to go? (GDB4: Room E1), Transition to next generation cities and Earth's future (GDB2: Room D1); Methods and tools for risk management & communications (IE4.3: Room L2)
- 18:30 – Georg-Wüst Prize Lecture (LRS4: Room L4/5)
- 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.

Make Facts Great Again: how can scientists stand up for science?

At a time when (some) politics seems at odds with science, what can scientists do to further the progress of scientific research and ensure mainstream scientific views are accepted and taken seriously by policymakers and the public? With this session, we'll discuss strategies to counter recent attacks on science and brainstorm ways in which scientists can stand up for science. With: Christiana Figueres, Sir David King, Heike Langenberg, Christine McEntee; chaired by Jonathan Bamber.

US3: 10:30–12:00 / Room E2

Arctic environmental change: global opportunities and threats



Credit: Mario Hoppmann, via imagegeo.egu.eu

What will be the new Arctic environments? What future for the Arctic populations? How will changes in the Arctic affect the rest of the planet? Is exploitation of natural resources a benefit or threat to local populations? What does sustainable and responsible resource exploitation mean? This debate will address these challenging questions. With: Christiana Figueres, Aslak Holmberg, Nalan Koc, Erling Kvadsheim, Julienne Stroeve and Gail Whiteman.

GDB1: 08:30–10:00 / Room E2

Is Open Science the way to go?

Many scientists support open access publishing of their manuscripts. But is support for open access to the underlying research data as easy to achieve? This debate aims to highlight the pros and cons of Open Science and discuss the potential consequences to the scientific community. With: Jean-Pierre Bourguignon, Barbara Romanowicz, Kerstin Lehnert, Grace Baynes; chaired by Ivo Grigorov.

GDB4: 15:30–17:00 / Room E1

Short courses & early career scientist events

- Open-source software for simulating hillslope hydrology & stability (SC34/NH10.2: 10:30–12:00 / Room -2.16)
- Science communication in the age of Brexit and Trump: how to reach the hard to reach (SC4: 12:15–13:15 / Room N2)
- Practical tips for applying to the EU Marie Skłodowska-Curie Individual Fellowships program (SC25: 13:30–15:00 / Room -2.16)
- Seismology for non-seismologists (SC76/SM10.11: 13:30–15:00 / Room -2.91)
- Polar science career panel (SC66/CL6.05/CR6.14: 15:30–17:00 / Room -2.16)
- A picture is worth a thousand words: communicate science with data visualisation (SC30: 17:30–19:00 / Room -2.91)

Today's medal lectures

- G Division Outstanding ECS Award Lecture by Xingxing Li (ML36/G: 08:30–08:45 / Room D1)
- SSS Division Outstanding ECS Award Lecture by Victoria Arcenegui (ML45/SSS: 08:30–08:45 / Room K2)
- Plinius Medal Lecture by Bruno Merz (ML24/NH: 11:00–12:00 / Room L6)
- Vilhelm Bjerknes Medal Lecture by John M. C. Plane (ML30/AS: 11:00–12:00 / Room F1)
- Arthur Holmes Medal Lecture by Jean-Pierre Brun (ML3/TS: 12:15–13:15 / Room E1)
- Augustus Love Medal Lecture by Barry E. Parsons (ML9/GD: 13:30–14:30 / Room K1)
- Ralph Alger Bagnold Medal Lecture by Ellen Wohl (ML25/GM: 18:00–20:00 / Room L3)
- Milutin Milankovic Medal Lecture by Axel Timmermann (ML21/CL: 19:00–20:00 / Room F2)
- Petrus Peregrinus Medal Lecture by John Tarduno (ML22/EMRP: 19:00–20:00 / Room D3)
- Vening Meinesz Medal Lecture by Isabella Velicogna (ML29/G: 19:00–20:00 / Room K1)

Geo Cinema Highlights

Room Geo Cinema (0.90)



Into the Inferno (a Werner Herzog, Netflix documentary), 12:01–13:45



Ichiro & the Wave, 14:35–14:46

Meet EGU (EGU Booth)

- Division President and ECS Reps. of Cryospheric Sciences (Olaf Eisen, Nanna Karlsson, Emma Smith), 08:30–09:15
- Editor-in-chief of Annales Geophysicae (Christoph Jacobi), 10:30–11:15
- Division President of Earth Magnetism & Rock Physics (Angelo De Santis), 12:00–13:30
- Division President and ECS Rep. of Seismology (P. Martin Mai, Laura Parisi), 12:00–13:30
- Division President of Climate: Past, Present, Future / Galileo Conferences Coordinator (Thomas Blunier), 13:30–14:15
- Division Presidents of Tectonics and Structural Geology (Susanne Buiter, Claudio Rosenberg), 13:30–14:15
- Executive editors of Solid Earth (Fabrizio Storti, Charlotte Krawczyk), 13:30–14:15
- Division President and ECS Rep. of Stratigraphy, Sedimentology & Palaeontology (Helmut Weisert, Guilhem Amin Douillet), 14:15–15:00
- Division President and ECS Reps. of Tectonics and Structural Geology (Claudio Rosenberg, Anne Pluymakers and João Duarte), 14:15–15:00
- Executive editor of Ocean Science (John Huthnance), 15:00–15:30
- Division President of Natural Hazards (Giorgio Boni), 15:30–16:15

The Assembly Online



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Interdisciplinary events

- Atmosphere–Cryosphere interaction in the Arctic, high latitudes and mountains: transport and deposition of aerosols, eScience & ensemble methods (IE1.1/CR1.14/AS4.21/BG9.66: Orals / 08:30–12:00 / Room L2, Posters / 17:30–19:00 / Hall X5)
- Natural hazards education, communications and science-policy-practice interface (IE4.1/NH9.3/EOS16: PICO / 08:30–10:00 / PICO spot 5a)
- The GEO Geohazards Supersite initiative: improving science uptake in disaster risk reduction (IE4.2/NH9.11/GI1.5/GMPV5.7/SM5.11/TS5.8: Orals / 13:30–15:00 / Room L2, Posters / 17:30–19:00 / Hall X3)
- Methods and tools for risk management & communications – innovative ways of delivering information to end users and sharing data among the scientific community (IE4.3/NH9.12: Orals / 15:30–17:00 / Room L2, Posters / 17:30–19:00 / Hall X3)

Transition to next generation cities and Earth's future

Cities cover a small fraction of the Earth's surface, but consume 80% of the world's energy and produce more than 60% of greenhouse-gas emissions. How can an increasingly large urban population minimise its impact on the environment? And how can urban structures be more resilient to geophysical extremes and climate change? These challenges will be discussed at this Great Debate. With: H. Le Treut, S. Maire, A. Szöllösi-Nagy, A. van Timmeren.

GDB2: 15:30–17:00 / Room D1



Singapore's 'supertrees'.
Credit: Shiny Things

Biogeomorphology

The emergence of life has had a strong effect on Earth surface processes, and has left a distinct footprint in the geological record. This session, with invited speakers Ellen Wohl (Colorado State) & Dov Corenblit (U. Clermont Auvergne), features talks investigating biogeomorphology on all spatial and temporal scales.

GM6.2/BG9.43/SSS9.36: Orals / 10:30–12:00 / Room L3, Posters / Attendance Fri, 17:30–19:00 / Hall X2

Georg-Wüst Prize Lecture

Ilker Fer, from the Geophysical Institute, University of Bergen and Bjerknes Centre for Climate Research, will give a lecture on vertical mixing and oceanic heat transport in the Arctic Ocean. The event will be followed by a reception.

LRS4: Orals / 18:30–19:30 / Room L4/5

Tectonic inheritance

This session aims to develop a more integrated understanding of how tectonic inheritance influences the evolution of geological architectures in crustal deformation zones.

**TS6.2: Orals / 13:30–17:00 / Room G1
Posters / Att. 17:30–19:00 / Hall X2**

Rising methane and climate

Methane in the atmosphere increased significantly in the past few years, at all latitudes. This session focuses on the identification, estimation, and reduction of anthropogenic and natural methane sources and sinks from the Arctic to the tropics.

**AS3.25/BG9.64: Orals / 08:30–12:00 / Room 0.11,
Posters / Attendance 17:30–19:00 / Hall X5**

Precipitation uncertainty and variability

This session brings together contributions on research, application advances, and future needs in the understanding and modelling of precipitation variability, and its sources of uncertainty.

**HS7.2/AS1.9/CL2.15/NH1.14/NP10.1: Orals / 08:30–10:00 / Room 2.95
Posters / Att. 17:30–19:00 / Hall A**

Achievements and perspectives in ocean and continental drilling

Scientific drilling provides unique opportunities to investigate the interior of our planet, Earth's cycles, natural hazards and the distribution of subsurface microbial life. This session features contributions that present and/or review recent scientific results from deep Earth sampling and monitoring through ocean and continental drilling projects.

**SSP1.3/EMRP4.37/GI3.7: Orals / 13:30–17:00 / Room 1.85
Posters / Attendance 17:30–19:00 / Hall X2**

What's on tomorrow

- Great Debate: Is 2 degrees possible without relying on carbon storage and capture? (GDB3: 8:30–10:00 / Room E1)
- Plus 2 interdisciplinary events & 3 medal lectures