



HIGHLIGHTS AT A GLANCE

- 08:30 – Fifty year of International Ocean Drilling (US4: Room E1); The Alps and neighbouring mountain belts (TS7.12/GD8.6/SM4.13 : Room D2)
- 10:30 – Radiative effects and climatic impacts of major volcanic eruptions (IE2.3/AS3.10/CL4.22/GMPV6.4/NH2.2: Room N2)
- 13:30 – Tropical coral archives (CL1.08: Room E2); Sentinels for science: land (GI2.4/NH6.8/PS4.9: Room M2); Past and future mass extinctions, (IE2.6/SSP2.2/CL4.23/GMPV1.9: Room N2); Citizen science for Earth systems (IE4.7/SSS13.74/BG1.43/ESS11.10/NH9.21/SM1.10: PICO spot 4); Games for geoscience (EOS17: Room L7)
- 15:30 – Unprecedented wildfires and smoke plumes – 2017 and beyond (AS3.4/BG4.10/NH7.4: Room 0.94); Sentinels for science: oceans and cryosphere (GI2.3/NH6.9/PS6.5: Room M2)
- 17:30 – EGU Award Ceremony (PCN3: Room E1)
- All day – Medal lectures (various rooms: see right); Short courses & ECS events (various rooms: see right); Meet EGU (EGU Booth); Division meetings (various rooms: see overleaf)

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, email the editor Bárbara Ferreira at media@egu.eu. The newsletter is also available at egu2018.eu/egu_today.html and on the EGU2018 app.

Fifty years of International Ocean Drilling

In March 1968 a ship constructed especially for drilling into the seafloor was launched in the US. Scientific drilling operations began in the Gulf of Mexico in mid-August 1968 with Deep Sea Drilling Project Leg 1. This marked the beginning of 50 years of successful drilling. In this session, invited speakers will provide an overview of exiting research made possible with the truly International Ocean Drilling Program.

US4: 08:30–12:00 / Room E1

Short courses & early career scientist events

- Git for science - or 'how to avoid the hunt for the last working version of ...' (SC1.14: 08:30–10:00 / Room -2.16)
- Serious games for Natural Hazards: understand the different roles in natural hazard prevention and management through a simple exercise (SC2.18/NH10.2: 10:30–12:00 / Room -2.91)
- How do you peer-review? (SC3.8: 10:30–12:00 / Room -2.85)
- How to apply for the Marie Skłodowska-Curie grants Individual Fellowship and European Training Network (SC3.13: 12:15–13:15 / Room N2)
- Connect2Communicate: communicating your message with charisma, clarity and conviction (SC2.13: 13:30–15:00 / Room -2.85)
- Crowd-solving problems in Earth science research (SC1.29/GM12.1: 15:30–17:00 / Room -2.91)

EGU Award Ceremony

Celebrate the 2018 EGU awardees and medallists at the EGU Award Ceremony (PCN3) at **17:30–20:00 in Room E1**.

Games for geoscience

This session is a chance to share your experiences and best practice with using games to communicate geosciences, be they analogue, digital and/or serious games (**EOS17: Orals / 13:30–15:00 / Room L7; Posters / 15:30–17:00 / Hall X1**). The session will be supported by an informal gaming event (**SC2.19: 19:00–20:30 / Room -2.91**).



Credit: Sam Illingworth

Today's medal lectures

- SSS Division Outstanding ECS Lecture by Matthias Vanmaercke (ML46/SSS: 08:30–09:00 / Room K2)
- Arne Richter Award for Outstanding ECS Lecture by Zhonghua Yao (ML7/PS: 09:15–09:45 / Room 1.61)
- Plinius Medal Lecture by Hannah L. Cloke (ML25/NH: 10:30–11:30 / Room L6)
- Arne Richter Award for Outstanding ECS Lecture by Mathieu Morlighem (ML6/CR: 11:30–12:00 / Room L3)
- NH Division Outstanding ECS Lecture by Thomas Wahl (ML42/NH: 11:30–12:00 / Room L6)
- Alfred Wegener Medal Lecture by Meinrat O. Andreae (ML2/AS/BG/CL: 12:15–13:15 / Room E1)
- GM Division Outstanding ECS Lecture (Penck Lecture) by Liran Goren (ML41/GM: 12:15–13:15 / Room G2)
- CL Division Outstanding ECS Lecture by Christo Buizert (ML35/CL: 13:30–13:45 / Room F2)
- Arne Richter Award for Outstanding ECS Lecture by Anja Schmidt (ML4/GMPV: 15:30–16:00 / Room D3)
- Arne Richter Award for Outstanding ECS Lecture by Yoshihide Wada (ML5/HS: 15:30–16:00 / Room C)
- Sergey Soloviev Medal Lecture by Giuseppe De Natale (ML29/NH: 15:30–16:30 / Room L6)
- Hans Oeschger Medal Lecture by Hubertus Fischer (ML14/CL: 16:00–17:00 / Room F2)
- Robert Wilhelm Bunsen Medal Lecture by Andrew Putnis (ML27/GMPV: 16:00–17:00 / Room D3)
- ST Division Outstanding ECS Lecture by Natasha L. S. Jeffrey (ML47/ST: 16:30–16:45 / Room 1.61)

Meet EGU

EGU Booth, Hall X2



- EGU Policy Officer (Chloe Hill), 09:15–10:30
- EGU President (Jonathan Bamber), 10:30–11:15
- Executive Editor of Ocean Science (John Huthnance), 11:15–12:00
- PS Division President (Stephanie C. Werner), 12:00–12:45
- EGU ECS Representatives and EGU Communications Officer (Roelof Rietbroek, Stephanie Zihms, and Olivia Trani), 13:30–15:00
- OS Division President (Karen Heywood), 14:15–15:30
- ERE Division President (Sonja Martens), 15:30–16:15
- EGU Programme Committee Chair (Susanne Buitert), 15:30–16:15

Division meetings

Today's meetings, taking place from 12:15 to 13:15, are:

- Earth Magnetism & Rock Physics (EMRP) / Room K1
- Earth & Space Science Informatics (ESSI) / Room M1
- Geochemistry, Mineralogy, Petrology & Volcanology (GMPV) / Room D3
- Hydrological Sciences (HS) / Room B
- Nonlinear Processes in Geosciences (NP) / Room M2
- Seismology (SM) / Room G1
- Stratigraphy, Sedimentology and Palaeontology (SSP) / Room D1
- Solar-Terrestrial Sciences (ST) / Room 1.61
- Tectonics and Structural Geology (TS) / Room D2

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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. Events today include:

- Past and future mass extinctions, climate and environmental change: where do we stand? (IE2.6/SSP2.2/CL4.23/GMPV1.9: Orals / 13:30–17:00 / Room N2; Posters / 17:30–19:00 / Hall X1)
- Citizen science for Earth systems in the era of Big Data (IE4.7/SSS13.74/BG1.43/ESSI1.10/NH9.21/SM1.10: PICO / 13:30–15:00 / PICO spot 4)
- Characterising, understanding and predicting the radiative effects and the climatic impacts of major volcanic eruptions (IE2.3/AS3.10/CL4.22/GMPV6.4/NH2.2: Orals / 10:30–12:00 / Room N2; Posters / 17:30–19:00 / Hall X5)

Sentinels for science

The Sentinels missions represent a major opportunity for advancing science in terms of innovative methods, novel products and new Earth system science results. Two sessions today review the latest advancements in science made possible by the Sentinel series over land (GI2.4) and over the ocean and the cryosphere (GI2.3), and explore its potential future applications.

GI2.4/NH6.8/PS4.9: Orals / 13:30–15:00 / Room M2; Posters / Attendance 17:30–19:00 / Hall X4
GI2.3/NH6.9/PS6.5: Orals / 15:30–17:00 / Room M2; Posters / Attendance 17:30–19:00 / Hall X4

Tropical coral archives

The aim of this session is to present and discuss latest research on past marine climate and environmental change at society-relevant timescales (seasonal, interannual, decadal), to understand the long-term context and impacts of future changes in the tropical to subtropical oceans, reef ecosystems, and adjacent continents. Helen McGregor (University of Wollongong, Australia) is an invited speaker.

CL1.08: Orals / 13:30–17:00 / Room E2; Posters / Attendance 17:30–19:00 / Hall X5

Unprecedented wildfires and smoke plumes – 2017 and beyond

The 2017 boreal wildfire season saw new anomalies in wildfire behavior, explosive pyroconvection, and hemisphere-scale smoke plumes. The aim of this session is to discuss and assess the impact of unusually extreme fire events on communities, weather, and climate.

AS3.4/BG4.10/NH7.4: Orals / 15:30–17:00 / Room 0.94; Posters / Attendance 17:30–19:00 / Hall X5

The Alps and neighbouring mountain belts (Apennines, Dinarides, Carpathians): a multidisciplinary vision (AlpArray)



Kitzsteinhorn Mountain, Alps, by Maria Wetzel

This session, organised in the context of the AlpArray project, features contributions that provide new results and that identify and solve key open questions of the present and past structure and dynamics of the Alps and neighbouring orogens. Scales of interest range from crustal to upper mantle depths, on the Alps and neighbouring mountain belts such as the Apennines, the Carpathians and the Dinarides.

TS7.12/GD8.6/SM4.13 : Orals / 08:30–12:00 / 13:30–15:00 / Room D2; Posters / Attendance 17:30–19:00 / Hall X2

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

- Cassini and future perspectives for the exploration of the outer solar system (US3: 08:30–12:00 / Room E1)
- EGU Early Career Scientists' Forum (PCN7: 12:15–13:15 / Room N2)
- Great Debate: Natural versus anthropogenic threats for life on Earth (GDB5: 13:30–15:00 / Room E1)