EGU 2017 General Assembly
Thursday, 27 April 2017

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

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: Christi–ana 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 Bourgignon, 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/S10.11: 13:30–15:00 / Room -2.91)
- 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)
- 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 Tar-duno (ML22/EMRP: 19:00–20:00 / Room D3)
- Vening Meinesz Medal Lecture by Isabella Velicogna (ML29/G: 19:00–20:00 / Room K1)

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.
**Interdisciplinary events**

- Atmosphere–Cryosphere interaction in the Arctic, high latitudes and mountains: transport and deposition of aerosols, eScience & ensemble methods (IE1.1/CR1.14/A54.21/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/TSS.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**

**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**

**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.

**T56.2: 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