



HIGHLIGHTS AT A GLANCE

- 08:30 – Energy, resources & the environment (ERE1.1: Room 2.31); Geoethics (EOS5: Room 2.83); Mars science and exploration (PS2.3: Room E1); Mind the Gap! Techniques to overcome multi-scale issues in geological and geomorphic processes (IE1.2/TS7.3/GD7.3/GM1.9/NP3.6: Room 0.88)
- 12:15 – EGU plenary (FAN0: Room E1)
- 13:30 – NASA-ESA-EGU joint Union session (US5: Room E1); The magnetic Earth: significant features and open questions (EMRP2.1/PS9.9/ST4.7: Room -2.50)
- 15:30 – CANCELLED: Sustainable development of the Arctic (GDB2: Room B)
- All day – Medal lectures (various rooms: see right); Short courses & ECS events (various rooms: see right); Meet EGU (EGU Booth); GIFT workshop for teachers (EOS1: Room L4/5); NASA's high-resolution video wall (Foyer E); GeoCinema (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 egu2016.eu/egu_today.html.

EGU Programme Committee Chair Message

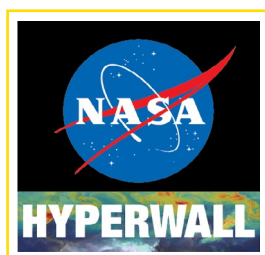
Welcome to the 2016 EGU General Assembly, the largest EGU meeting to date! This year's programme features more than 16,500 abstracts distributed over a wide spectrum of sessions. For the first time, we have a series of interdisciplinary events: sessions relating to a variety of EGU disciplines, divided into four broad themes. Other events you might be interested in attending are the Union Symposia, the Great Debates and the Active Planet lectures, this year's theme. There are also various short courses, particularly interesting for early career scientists, movies in the GeoCinema, a photo competition, and other exhibitions for you to enjoy. I hope you make the best of the conference by attending the sessions the programme committee and conveners put together for you, and by networking with colleagues in the various rest areas around the conference centre. Have a productive and enjoyable week!

Gerrit de Rooij
Programme Committee Chair

NASA-ESA-EGU joint Union session

Coordinated series of satellite and airborne missions for long-term global observations of the land surface, biosphere, solid Earth, atmosphere, and oceans enable an improved understanding of the Earth as an integrated system, and the impact that human activity is having on natural Earth processes. This session will address the ongoing and future satellite missions of ESA & NASA and their role for the Earth, planetary and space science communities.

US5: 13:30–16:55 / Room E1



NASA's high-resolution video wall

Please join the NASA booth at Foyer E to experience storytelling like never before! NASA's Hyperwall provides new perspectives of science data visualisations and images. NASA directors from the Earth, Planetary, and Sun Divisions will address unique insight of new discoveries.

Short courses & early career scientist events

- Presentation feedback round (SC54: 08:30–12:00 / Room -2.61)
- Natural hazards education, communications and science-policy-practice interface (SMP40: 10:30–12:00 / Room 2.17)
- How to navigate EGU: tips & tricks (SC36: 12:15–13:15 / Room -2.85)
- How to write a successful ERC Starting or Consolidator Grant proposal (SC2/TS9.1: 15:30–17:00 / Room -2.61)
- Practical tips for applying to EU Marie Skłodowska-Curie Individual Fellowships (SC30: 13:30–15:00 / Room -2.61)
- Response, variability and transitions in geophysical systems (SC6/NP9.1: 17:30–20:00 / Room -2.16)
- The science of climate change communication: engaging the public, policymakers, and journalists (TM6: 19:00–20:00 / Room G2)

Today's medal lectures

- Hannes Alfvén Medal Lecture by Stephen A. Fuselier (ML14: 11:00–12:00 / Room K2)
- Augustus Love Medal Lecture by Jason P. Morgan (ML9: 14:00–15:00 / Room K2)
- Arne Richter Award for Outstanding Young Scientists Lecture by Kaveh Madani (ML6: 15:30–16:00 / Room C)
- Louis Agassiz Medal Lecture Thierry Fichet (ML22: 19:00–20:00 / Room L3)
- Petrus Peregrinus Medal Lecture by Agris Gailitis (ML25: 19:00–20:00 / Room E1)

EGU plenary

This session (FAN0) is the main meeting for bringing forward new ideas to the EGU. Join us in Room E1 from 12:15 today. Free sandwiches and soft drinks will be served.

GeoCinema Highlights

Room GeoCinema (0.90)



The Asteroid Impact Mission
/ Fast facts: rivers of the
red planet, 11:00–11:15
★

Island of the marble
glacier / Mountains
(geology, resources and
sustainability), 12:15–13:15
★

People of a feather (Active
Planet), 13:30–15:00
★

Communicate your
Science Video Competition
Finalists, 18:30–19:00

Meet EGU at the EGU Booth

- Executive Secretary (Philippe Courtial), 08:30–09:15
- Officer for Energy, Resources & the Environment (Suzanne Hangx), 11:15–12:00
- Division President of Planetary & Solar System Sciences / Incoming Awards Committee Chair (Özgür Karatekin), 11:15–12:00
- Division President of Geomorphology (Peter van der Beek), 15:30–17:00

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CANCELLED: Sustainable development of the Arctic

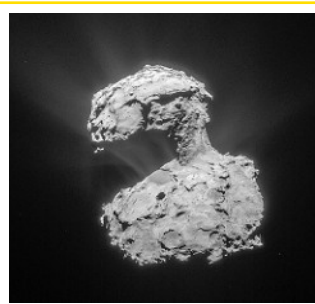
The retreat of sea ice will open the Arctic to various types of development, particularly transport, fisheries, energy and mineral resources. All these activities will have a major impact on the fragile Arctic environment. Stringent measures, including the creation of internationally recognised 'no-go' zones, may be needed to prevent irreversible changes. These and related issues will be addressed in this Great Debate.

GDB2: 15:30–17:00 / Room B

Mars science and exploration

This session will address the latest results on the interior, surface, atmosphere and ionosphere of Mars from recent and ongoing Mars missions, as well as the future exploration of the Red Planet.

PS2.3: Orals / Mon, 08:30–12:00 /
Room E1 / Tue, 08:30–12:00 / Room K2;
Posters / Attendance 17:30–19:00 / Hall X4



Comet 67P. Credit: ESA/Rosetta/NAVCAM

The magnetic Earth: significant features and open questions

This session features presentations concerning open questions related to the dynamics of the planet, the change of the Earth's magnetic field through its history and at present, together with possible consequences for life.

EMRP2.1/PS9.9/ST4.7: Orals / 13:30–15:00 /
Room -2.50; Posters / Attendance 17:30–19:00
/ Hall X2

Mind the Gap! Techniques to overcome multi-scale issues in geological and geomorphic processes

Research in the geosciences covers a wide variety of scales from grains to continents, from seconds to millions of years, and from hardly noticeable processes to those with catastrophic behaviour. This session will discuss state-of-the-art successful (and less-successful) approaches in tackling scale issues in our sciences.

IE1.2/TS7.3/GD7.3/GM1.9/NP3.6: Orals / 08:30–10:00 / Room 0.88;
Posters / Attendance 17:30–19:00 / Hall X2

Photo and video competitions

We've received over 400 (!) photos for this year's EGU Photo Contest. You can find the finalists, and vote for the three winners (by Thursday evening), in Hall X2, Brown Level, next to the EGU Booth. We are also running a Communicate Your Science Video Competition: check our YouTube channel ([youtube.com/user/EuroGeosciencesUnion](https://www.youtube.com/user/EuroGeosciencesUnion)) and like your favourite videos! The winners of both competitions will be announced on Friday at 12:15 by the EGU Booth.

Energy, resources & the environment

This general session of the ERE Division will deal with integrated studies ranging from hydrocarbons to environmental issues, to policy questions within the framework of energy, resources and environment.

ERE1.1: Orals / 08:30–12:00 / 13:30–15:00 / Room
2.31; Posters / Attendance 17:30–19:00 / Hall A

GIFT workshop for teachers

The EGU Geosciences Information For Teachers (GIFT) programme offers school teachers the opportunity to upgrade their knowledge in geoscientific themes and to shorten the time between new discoveries and textbook information. The general theme of this year's workshop is 'The Solar System and beyond'. It includes a talk on Earth-like planets by Michel Mayor (U. Geneva) and one on the Rosetta mission by Matt Taylor (ESA).

EOS1: Mon, 08:30–12:00 / 13:30–18:00; Tue, 08:30–12:00 /
13:30–17:00; Wed, 20 Apr, 08:30–10:00 / Room L4/5

Geoethics

A session, organised by the IAPG (International Association for Promoting Geoethics) on theoretical and practical aspects of geoethics, from research integrity to relationships between geosciences and society.

EOS5: Orals / 08:30–12:00 / Room 2.83;
Posters / Attendance 13:30–15:00 / Hall D

What's on tomorrow

- Geosciences in the Anthropocene (US4: 13:30–15:00 / Room L6)
- Plan it Earth: resources great debate (GDB3: 13:30–15:00 / Room E1)
- Active Planet lectures: Outer shell Earth (TL4: 13:30–15:00 / Room 0.93) and Solid Earth (TL2: 15:30–17:00 / Room 0.93)