



## Active Planet Lectures

Today's programme features two lectures celebrating this year's theme:

- The Active Solar System, by François Forget (Institut Pierre Simon Laplace, France) – This talk will focus on the other active worlds in the Solar System (TL5: 13:30–15:00 / Room 0.93)
- The Active Liquid Earth, by Berit Arheimer (Swedish Meteorological and Hydrological Institute) – This talk will highlight the importance of considering temporal and spatial variability of the liquid Earth (TL3: 15:30–17:00 / Room 0.93)

## HIGHLIGHTS AT A GLANCE

- 08:30 – Rosetta (PS4.2: Room F1); Geoheritage and geodiversity (SSS3.6/EOS7: Room -2.31); Global monsoon system (AS1.16/CL1.18: Room 0.93); Ocean and continental drilling (SSP1.3: Room M2)
- 10:30 – Digital mapping in the 21<sup>st</sup> century (TS7.1/GM2.3/GMPV1.5/SSP1.2: PICO Spot 2);
- 13:30 – Active Solar System (TL5: Room 0.93); Equality of opportunities in geosciences (EOS20: Room -2.16); Restoration and rehabilitation of degraded lands (SSS8.1: Room -2.21); Geomorphic response to active tectonics (IE3.2/GM4.1/TS3.5: Room K2)
- 15:30 – Deep geofluids: the bringers of change (US2: Room L6); Active Liquid Earth (TL3: Room 0.93); Public peer review in open access publications: pros and cons (GDB6: Room E1); The gallery of failed models and negative results (TS7.5/GD8.5/GM1.10: Hall X2, Poster only)
- All day – Medal lectures (various rooms: see right); Short courses & ECS events (various rooms: see right); Meet EGU (EGU Booth); 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](mailto:media@egu.eu). The newsletter is also available online at [egu2016.eu/egu\\_today.html](http://egu2016.eu/egu_today.html).

## Deep geofluids: the bringers of change

The session revolves around themes such as: water as an agent in natural earthquake initiation, deep fracture fluids isolated in crust, activated degradation of organic matter in the deep biosphere, supercritical water for geothermal energy, sustainable energy and mineral resources, deep fluids and deep life, CO<sub>2</sub> storage, and hydrofracking. Thus, the physics, chemistry and biology of subsurface fluids are all addressed.

**US2: 15:30–19:00 / Room L6**

## NEW Great Debate: Public peer review in open access publications: pros and cons

In public peer review, papers submitted to a peer-review journal are first published in a public discussion forum, where referees (and other members of the scientific community) post their reviews/comments. This aims to foster scientific discussion and improve quality assurance by making peer review more efficient and transparent. But critics argue that publishing papers prior to peer review contributes to the noise of science as the non-peer-reviewed draft of the paper can be freely distributed, even if the journal ends up rejecting it for publication. These and related issues will be debated today.

**GBD6: 15:30 to 17:00 / Room E1**

## Short courses & early career scientist events

- Working at the science policy interface (SC52: 12:15–13:15 / Room -2.85)
- Seismology for non-seismologists (SC55: 12:15–13:15 / Room -2.61)
- The Art of Being Scientist (SC29/SM8.3: 13:30–15:00 / Room -2.61)
- Scientists must film! (SC47: 10:30–12:00 / 13:30–15:00 / Room 0.90)
- Experimental and field turbulence in geophysical and environmental flows (SC8/NP9.3: 15:30–17:00 / Room -2.61)
- Experiments in geosciences (SC16/SSS0.4: 15:30–19:00 / Room -2.85)
- Meet the expert in hydrology (SC34/HS11.44: 17:30–19:00 / Room 2.44)
- Climate/Geomorphology workshop for early career scientists: Using Bayesian modelling for integrating geochronologies (SC50: 17:30–19:00 / Room 0.31)
- Scales and scaling in the climate system (SC9/CL5.17/NP9.4: 17:30–20:00 / Room -2.16)
- Climate workshop for early career scientists: Introduction to climate modelling (SC49: 19:00–20:00 / Room 0.31)

## Today's medal lectures

- Julius Bartels Medal Lecture by Jeffrey M. Forbes (ML20: 10:30–11:30 / Room 0.49)
- Jean Dominique Cassini Medal Lecture by Michael Mayor (ML4: 12:15–13:15 / Room E1)
- Sergey Soloviev Medal Lecture by Irasema Alcántara-Ayala (ML30: 13:30–14:30 / Room L3)
- Fridtjof Nansen Medal Lecture by John Huthnance (ML13: 16:00–17:00 / Room G1)
- John Dalton Medal Lecture by Harry Vereecken (ML19: 19:00–20:00 / Room B)
- Ralph Alger Bagnold Medal Lecture by Niels Hovius (ML28: 19:00–20:00 / Room K1)
- Vening Meinesz Medal Lecture by Srinivas Bettadpur (ML32: 19:00–20:00 / Room L3)

## GeoCinema Highlights

### Room GeoCinema (0.90)



Big Earth data - the digitized planet / Monitoring Himalayan Glaciers / How Science Works! (IODP Case Study) / Science Webcast: Between Sky and Computing Centre, 12:15–13:15

\*

Short Course (SC47) Part two: My video is ready, now what?, 13:30–15:00

\*

With a hammer and a loop / Geology without barriers (Active Planet), 18:00–18:30

### Meet EGU at the EGU Booth

- Division President of Geosciences Instrumentation & Data Systems (Francesco Soldovieri), 10:30–11:15
- Division President of Seismology (P. Martin Mai), 11:15–12:00
- Education Committee Chair (Carlo Laj), 14:15–15:00
- Division President of Cryospheric Sciences (Jürg Schweizer), 14:15–15:00
- Division President of Climate: Past, Present, Future / Galileo Conferences Coordinator (Thomas Blunier), 15:00–15:30
- Division President of Stratigraphy, Sedimentology & Palaeontology (Helmut Weissert), 15:00–16:15
- Division President of Solar-Terrestrial Sciences (Margit Haberleiter), 15:30–16:15
- Division President of Planetary & Solar System Sciences / Incoming Award Committee Chair (Özgür Karatekin), 16:15–17:00

### The Assembly Online



@EuroGeosciences  
#EGU16



EuropeanGeosciencesUnion

**BLOGS**

[blogs.egu.eu](http://blogs.egu.eu)  
[geolog.egu.eu](http://geolog.egu.eu)

### Rosetta

The session is dedicated to the results from Rosetta mission on Comet 67P/Churyumov-Gerasimenko.

**PS4.2: Orals / 08:30–12:15 / 13:30–17:00 / Room F1;**

**Posters / Atten. 17:30–19:00 / Hall X4**

### Restoration and rehabilitation of degraded lands in arid, semi-arid and Mediterranean environments

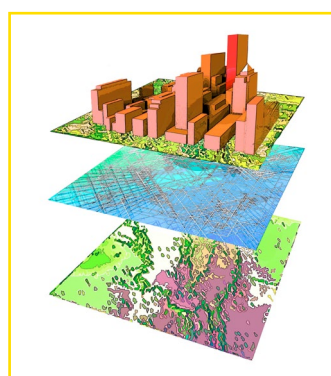
Rehabilitation of degraded soils is critical to restore the ability of the soil to support vegetation and is one of the key issues in the fields of land rehabilitation and ecological restoration. This session features experimental, observational, and theoretical studies in this area.

**SSS8.1: Orals / 13:30–17:00 / Room -2.21; Posters / Atten. 17:30–19:00 / Hall X1**

### Achievements and perspectives in scientific ocean and continental drilling

A session on recent scientific results from deep earth sampling and monitoring through ocean and continental drilling projects.

**SSP1.3: Orals / 08:30–12:00 / Room M2; Posters / Atten. 17:30–19:00 / Hall D**



### Digital mapping in the 21<sup>st</sup> century: share your experience!

This session will show maps, explain which techniques and approaches were used to collect and present the data, inspire to use the same tools, or warn not to do so... all with the aim to share experiences with digital mapping within the interactive PICO-format!

**TS7.1/GM2.3/GMPV1.5/SSP1.2 : PICO / 10:30–12:00 / PICO spot 2**

Layers of information. Credit: Diane Quick

### The global monsoon system

This session features presentations on various aspects of monsoon physics and dynamics, from the natural and anthropogenic variability and predictability of monsoon systems, to the impact of monsoons on weather and climate extremes, as well as the links between monsoons and global climate.

**AS1.16/CL1.18: Orals / 08:30–12:00 / Room 0.93; Posters / Atten. 17:30–19:00 / Hall X2**

### The gallery of failed models and negative results

This session aims at a constructive discussion of unexpected, controversial, failed and/or negative results. Ultimately, the question is how our communities could handle negative results so as to prevent time and resources being wasted as other scientists set about testing the same idea without being aware of previous failed attempts?

**TS7.5/GD8.5/GM1.10: Posters only / Atten. 15:30–17:00 / Hall X2**

### Promoting and supporting equality of opportunities in geosciences

Organised in cooperation with the European Research Council (ERC) and the European Association of Geochemistry, this session will explore the reasons for an imbalanced representation of different groups (cultural, national and gender) in the form of a debate with scientists, decision-makers and policy analysts related to geosciences. The session will focus both on obstacles and on concrete actions to tackle them. It includes a solicited talk by Alberto Montanari, Chair of the EGU Awards Committee.

**EOS20: 13:30–17:00 / Room -2.16; Posters / Attendance Thu, 21 Apr, 10:30–12:00 / Hall D**

### Geoheritage & geodiversity matter: themes, links, interactions

There is an increasing awareness of the complex connections that exist between geoheritage, biological and cultural heritage. This session addresses these subjects, including current research methods and debates on geodiversity and geoheritage, from the global to the local scale.

**SSS3.6/EOS7: Orals / 08:30–12:15 / 13:30–15:15 / Room -2.31; Posters / Atten. 17:30–19:00 / Hall X1**

### What's on tomorrow

- Models in the geosciences (US3: 08:30–09:30 / Room B)
- Plate tectonics started in the PaleoArchean (GDB5: 13:30–15:00 / Room G1)