

GeoCinema Schedule Monday, 18 April 2016

- 10:30-11:00 **Deep-sea encounters** (*Active Planet*)
A collection of beautiful and strange organisms you might find in the deep sea
Exploring the deep sea (towards responsible mining of seabed mineral resources)
Can valuable mineral resources on the ocean floor be responsibly sourced?
How science works – educational video with an IODP case (Exp 342 Newfoundland)
Explore the process of how real science works using an example from International Ocean Discovery Program expedition
Large phytoplankton bloom in the Bering Sea 2014
Explaining a large coccolithophore bloom in the East Bering Sea visible from space
- 11:00-11:15 **The Asteroid Impact Mission**
A film describing an ESA candidate mission that would study a binary asteroid system
Fast facts: rivers of the red planet
Deep river valleys, vast deltas and traces of debris flows, suggest a wet past on Mars
- 11:15-12:00 **La Soufrière: the 1979 eruption** (*Active Planet*)
A trilogy sustaining the social memory of the 1979 Soufrière Hills eruption
Nevado del Ruiz Volcano: a trilogy (*Active Planet*)
The story of the devastating 1985 eruption of Nevado del Ruiz
Simulation of the Okushiri and Tohoku tsunami events (*Active Planet*)
An animation showing numerical simulations of the 1993 Okushiri Island and 2011 Tohoku tsunamis
Simulation of Hurricane Christian and Typhoon Haiyan (*Active Planet*)
A visualisation of two tropical cyclones from the ECHAM6 dataset
- 12:00-12:15 **BREAK**
- 12:15-13:15 **Island of the marble glacier**
Scientists and speleologists explore a remote island off the Chilean Patagonia
Mountains (geology, resources and sustainability)
Exploring the role of mountains in geology, resources and sustainability.
- 13:15-13:30 **BREAK**
- 13:30-15:00 **People of a feather** (*Active Planet*)
A journey through time into the world of the Inuit on the Belcher Islands in Canada
- 15:00-15:30 **BREAK**
- 15:30-16:30 **Big Earth data – the digitized planet**
A documentary featuring the challenges and opportunities of Big Data in the Earth sciences
The abandonment of a CO2 storage site – pilot project Ketzin
A short film about the Ketzin carbon capture and storage site in Germany
- 16:30-17:00 **RECARE – finding and sharing solutions to protect the soils of Europe**
17 cases studies to develop effective soil prevention, remediation and restoration
Cover crops against erosion
Implementing cover crops as a way to manage erosion
- 17:00-17:30 **BREAK**
- 17:30-18:30 **With a hammer and a loop**
A documentary film about the studies and the subjects of geology
Geology without barriers (*Active Planet*)
A fieldtrip in which people with deafblindness visit northern Spain to learn about Zumaia's flysch
- 18:30-19:00 **Communicate your Science Video Competition Finalists**
Vote for your favourite at: www.youtube.com/user/EuroGeosciencesUnion

GeoCinema Schedule: Tuesday, 19 April 2016

- 10:30-11:00 **What climate change sounds like from the Amazon to the Arctic**
Using music to create an encounter with more than a century's worth of weather data
Northeast Greenland caves project expedition 2015 (*Active Planet*)
An expedition to discover how climate change is affecting Northeast Greenland
- 11:00-11:30 **Coring into the past** (*Active Planet*)
Palaeoclimate research in the Conturines Cave in the Dolomites, Italy
Science stories: controversy (*Active Planet*)
Why accurate data are critical for the scientific record
ATTO: an adventure in the Amazon (*Active Planet*)
Building a 300-m-tall measurement tower in the middle of the Amazon rainforest
- 11:30-12:00 **Outlaws in air city**
How can we reduce air pollutants for better air and climate?
SAGE III – Monitoring Earth's ozone layer
Showcasing the upcoming NASA Stratospheric Aerosol and Gas Experiment III mission
- 12:00-12:15 **BREAK**
- 12:15-13:15 **365 days under Antarctic Ice** (*Active Planet*)
A year of scientific and human adventure in harsh conditions
- 12:15-13:30 **BREAK**
- 13:30-13:45 **Quantitative wood anatomy: from sample to data for environmental research**
Studying wood anatomical metrics used in environmental science
The magic of visualizing of scientific models
Combining ecological models with 3D computer graphics techniques to generate natural virtual worlds
- 13:45-14:00 **Introducing healthy urban living**
How healthy is it living in a large, densely populated city?
Coffee grounds
Using caffeine as an example of a tracer for ground water quality
Water challenges in the south of Holland (*Active Planet*)
How to tackle the challenges of living in an urban area of southern Holland?
Urban weather radar
What are the motivations to install a polarimetric X-band radar in Rotterdam?
The Metronome – tidal facility
Simulating how river mouths form using a purpose-built flume
- 14:00-15:00 **Dziani, Jurassic lake** (*Active Planet*)
Investigating the role of volcanic carbon in fuelling biomass in the Dziani Dzaha crater lake
Thinking like a bird – portrayal of Dutch migrations
This short film explores the global role of intertidal mud flats as they become dry around low tide, and the effect this has on the life cycle of waders
- 15:00-15:30 **BREAK**
- 15:30-16:00 **Lake Superior and the Midcontinent Rift: the billion year story**
The story behind the spectacular scenery of Lake Superior, covering both the geology and geoheritage of the region
VolcaAray mapping the inside of a volcano
Follow a team of scientists as they attempt to map the inside of a volcano
- 16:00-16:30 **Between bulls and mosquitoes: earthquake education in Tajikistan**
A geosciences' student travels to Tajikistan to raise geohazards awareness
1964 Quake – the great Alaska earthquake
A video highlighting the impacts and effects of America's largest recorded earthquake
- 16:30-17:00 **The Ratu River expedition: earthquakes in Nepal**
A team studies what sections of the Ratu River fault are yet to break and when it might happen
- 17:00-17:30 **BREAK**
- 17:30-19:00 **People of a feather** (*Active Planet*)
A journey through time into the world of the Inuit on the Belcher Islands in Canada

GeoCinema Schedule: Wednesday, 20 April 2016

- 10:30-10:45 **Quantitative wood anatomy: from sample to data for environmental research**
Studying wood anatomical metrics used in environmental science
The magic of visualizing of scientific models
Combining ecological models with 3D computer graphics techniques to generate natural virtual worlds
- 10:45-11:00 **Introducing healthy urban living**
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The Metronome - tidal facility
Simulating how river mouths form using a purpose-built flume
- 11:00-11:55 **Pan Tsang** (*Active Planet*)
Climate change in western Nepal as seen through the eyes of a young geologist and the Dolpa people
The Ratu River expedition: earthquakes in Nepal
A team studies what sections of the Ratu River fault are yet to break and when it might happen
- 11:55-12:15 **BREAK**
- 12:15-12:45 **Lake Superior and the Midcontinent Rift: the billion year story**
The story behind the spectacular scenery of Lake Superior, covering both the geology and geoheritage of the region
VolcaAray mapping the inside of a volcano
Follow a team of scientists as they attempt to map the inside of a volcano
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- 13:30-14:30 **365 days under Antarctic Ice** (*Active Planet*)
A year of scientific and human adventure in harsh conditions
- 14:30-15:00 **Snows of the Nile**
Revealing the drastic change in glacier extent over the last century in Uganda's Rwenzori Mountains
Vanishing glaciers of Everest (*Active Planet*)
An investigation into some of the least understood glaciers of the world
Northeast Greenland caves project expedition 2015 (*Active Planet*)
An expedition to discover how climate change is affecting Northeast Greenland
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- 18:30-18:55 **The uncertainties in climate change scenarios** (*Active Planet*)
What are the three main sources of uncertainty in future climate change scenarios?
- 18:35-19:00 **Communicate your Science Video Competition Finalists**
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GeoCinema Schedule Thursday, 21 April 2016

- 10:30-12:00 **Short Course (SC47) Part One: Scientists must film!**
The first part of the short course will demonstrate how scientists can use video to share research with a non-technical audience. There will be a panel style discussion with some of the finalists from the 2014 and 2015 EGU video competitions, all of whom are active early career researchers. The panel will also include a professional filmmaker who will share their skills in scientific film production.
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- 13:15-13:30 **BREAK**
- 13:30-15:00 **Short Course (SC47) Part Two: My video is ready, now what?**
After investing valuable time and effort into producing a film, many researchers are faced with the question: now what? In the second part of the short course, an online & cross media specialist will share tips with the audience as to how to disseminate their film work effectively.
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GeoCinema Schedule Friday, 22 April 2016

- 10:30-11:30 **365 days under Antarctic Ice** (*Active Planet*)
A year of scientific and human adventure in harsh conditions
- 11:30-12:00 **Snows of the Nile**

Revealing the drastic change in glacier extent over the last century in Uganda's Rwenzori Mountains

Vanishing glaciers of Everest (*Active Planet*)

An investigation into some of the least understood glaciers of the world

Northeast Greenland caves project expedition 2015 (*Active Planet*)

An expedition to discover how climate change is affecting Northeast Greenland

12:00-12:15 **BREAK**

12:15-13:05 **Pan Tsang** (*Active Planet*)

Climate change in western Nepal as seen through the eyes of a young geologist and the Dolpa people

The Ratu River expedition: earthquakes in Nepal

A team studies what sections of the Ratu River fault are yet to break and when it might happen

13:05-13:10 **The uncertainties in climate change scenarios** (*Active Planet*)

What are the three main sources of uncertainty in future climate change scenarios?

13:10-13:30 **BREAK**

13:30-14:00 **RECARE – finding and sharing solutions to protect the soils of Europe**

17 cases studies to develop effective soil prevention, remediation and restoration

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Science stories: controversy (*Active Planet*)

Why accurate data are critical for the scientific record

ATTO: an adventure in the Amazon (*Active Planet*)

Building a 300-m-tall measurement tower in the middle of the Amazon rainforest

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How can we reduce air pollutants for better air and climate?

SAGE III – Monitoring Earth's ozone layer

Showcasing the upcoming NASA Stratospheric Aerosol and Gas Experiment III mission