

## 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](http://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**  
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
- 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
- 12:45-13:15 **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
- 13:15-13:30 **BREAK**
- 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
- 15:00-15:30 **BREAK**
- 15:30-16:00 **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
- 16:00-16:45 **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
- 16:45-17:00 **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

- 17:00-17:30 **BREAK**
- 17:30-18:00 **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
- 18:00-18:30 **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
- 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**  
Vote for your favourite at: [www.youtube.com/user/EuroGeosciencesUnion](http://www.youtube.com/user/EuroGeosciencesUnion)

## 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.
- 12:00-12:15 **BREAK**
- 12:15-13:15 **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
- 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.
- 15:00-15:30 **BREAK**
- 15:30-15:45 **Quantitative wood anatomy: from sample to data for environmental research**  
Studying wood anatomical metrics used in environmental science
- 15:45-16:00 **The magic of visualizing of scientific models**  
Combining ecological models with 3D computer graphics techniques to generate natural virtual worlds
- 16:00-17:00 **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
- 16:00-17:00 **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
- 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](http://www.youtube.com/user/EuroGeosciencesUnion)

## 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

**Cover crops against erosion**

Implementing cover crops as a way to manage erosion

14:00-15:00 **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.

15:00-15:30 **BREAK**

15:30-17:00 **People of a feather** (*Active Planet*)

A journey through time into the world of the Inuit on the Belcher Islands in Canada

17:00-17:30 **BREAK**

17:30-18:00 **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

18:00-18:30 **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