GeoCinema Schedule

Monday, 13 April 2015

10:30-11:30	**Taking Earth's Temperature: Delving into Climates Past** Showcasing the science behind our understanding of past climate change
11:30-11:50	**The Sahel Climate Laboratory** A cooperative approach to studying variability of the West African Monsoon climate
11:50-12:15	BREAK
12:15-13:05	**The Mystery of the Giant Crystals** Explaining the formation of giant crystals of gypsum
13:05-13:30	BREAK
13:30-14:15	**Methane Dream or Nightmare? Part 1: Investigating a Climate Alert** What impact will this greenhouse gas have on our climate?
14:15-15:00	**Methane Dream or Nightmare? Part 2: Methane Hydrates, a new Energy Bonanza?** Can methane contained in the ocean floor represent the next energy windfall?
15:00-15:15	BREAK
15:15-16:25	**There was Once an Island** The people of a unique Pacific Island community face the first devastating effects of climate change
16:25-16:45	**Top-level Research Initiative – Nordic Venture for Climate, Energy & the Environment** A Nordic contribution towards solving the global climate crisis
16:45-17:15	BREAK
17:15-18:15	**365 Days Under Antarctic Ice** A year of scientific and human adventure in harsh conditions
18:15-18:45	**Science Webcast: Off to Greenland!** Cryospheric and climate research on Greenland (with Prof. Konrad Steffen)
18:45-19:00	**Communicate your Science Video Competition Finalists** Vote for your favourite at: www.youtube.com/user/EuroGeosciencesUnion

Tuesday, 14 April 2015

10:30-11:40 **Dirt! (Celebrating the International Year of Soils, 2015)**
Bringing to life the environmental, economic, social and political impact of soil

11:40-12:15 BREAK

12:15-13:10 **Big Earth Data – the Digitized Planet**
Exploring the challenges and opportunities of Big Data in the Earth Sciences

12:10-13:15 BREAK

13:15-15:00 **Symphony of the Soil (Celebrating the International Year of Soils, 2015)**
Discovering the complex and dynamic nature of this precious resource through its relationship with, water, the atmosphere, plants and animals.

15:00-15:15 BREAK

15:15-16:10 **To Mars**
In the middle of a red bentonite desert of the American state of Utah, a group of researchers pretends to be living on Mars
Chasing a Comet – The Rosetta Mission
For the first time, a spacecraft will follow a comet as it approaches the Sun and then aim to land on its nucleus.
Landing on a Comet – The Rosetta Mission
After a 10-year journey of some seven billion kilometres, the Rosetta mission is setting the lander, Philae, on a comet.

16:10-16:55 **Methane Dream or Nightmare? Part 2: Methane hydrates, a new energy bonanza?**
Can methane contained in the ocean floor represent the next energy windfall

16:55-17:15 BREAK

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Showcasing the science behind our understanding of past climate change.

18:15-19:15 **365 Days Under Antarctic Ice**
A year of scientific and human adventure in harsh conditions

Wednesday, 15 April 2015

10:30-10:45 **Snow Measurement in the Waegital**
Using Salt to Measure Stream Discharge
Brilliant Blue: Visualising Flow Paths in the Soil and Snow
Three short films on how to conduct hydrological field

10:45-11:15 **Top-level Research Initiative–Major Nordic venture for Climate, Energy and the Environment**
A Nordic contribution towards solving the global climate crisis
Urban Water Vision
Adapting climate models to future intense rainfall

11:15-11:30 **Introducing the Netherlands Earth System Science Centre (NESSC)**
Bringing together scientists with varied backgrounds to improve climate predictions
How Science Works! (IODP Case Study)
Using examples from scientific ocean drilling expeditions of the International Ocean Discovery Program to explain how real science works.

11:30-11:50 **Science webcast: Between Sky and Computing Centre**
Discussing climate modelling and climate change in a Q&A with Prof. Reto Knutti

11:50-12:15 BREAK

12:15-12:50 **Chamousset, the Song From a Cliff**
A cliff can sing! A small group of engineers and researchers try to asses when a rock column falls

12:50-13:50 **365 Days Under Antarctic Ice**
A year of scientific and human adventure in harsh conditions

13:50-14:00 **Monitoring Himalayan Glaciers**
Understanding the Himalayan water cycle using innovative high altitude measurements of snow, rain and drones over debris covered glaciers

14:00-15:00 **Taking Earth's Temperature: Delving into Climates Past**
Showcasing the science behind our understanding of past climate change

15:00-15:15 BREAK

15:15-15:30 **Project Azolla, from Floating Fern to Renewable Resource**
How a freshwater fern can provide food, feed & biofuel
Soils Sustain Life
Why is soil so important to life as we know it?

15:30-15:45 **Microbialites from Costa do Sol, Rio de Janeiro, Brazil: Modern Analogue for Ancient Seas and Deep-Water Pre-Salt Reservoirs**
Investigating a special environment of hypersaline lagoons: the sites of unique microbial Mg-carbonate deposits

15:45-16:00 **Cold Seeps in the Deep Sea**
Take a trip into deep ocean regions around the globe.
Hydrothermal Vents in the Deep Sea
Journey to the depths of the Mid-Atlantic Ridge and the East China Sea where excellent examples of black and white smoker regions can be found

16:00-16:50 **The Mystery of the Giant Crystals**
Explaining the formation of giant crystals of gypsum

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Thursday, 16 April 2015

10:30-10:50 **Science Webcast: Teaching and Learning in Africa**
Atmospheric Dynamics: understanding the science behind single storm events

10:50-11:20 **Science Webcast: Swirling Waters Around Antarctica**
Studying oceans and ocean currents of Antarctica
Satellite Imagery and Water Resources in Morocco
Sustainable management of water resources in the semi-arid Mediterranean

11:20-11:45 **Soil Water and Groundwater, Pressure of Water**
An experimental set-up to understand pressure in groundwater
Porosity
Educational video on demonstrating the principles of porosity
Groundwater Flow Lines Tracer Test
Demonstrating how groundwater flows

11:45-12:15 BREAK

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13:30-14:40 **There was Once an Island**

The people of a unique Pacific Island community face the first devastating effects of climate change

14:40-14:50 **Uroi Volcano, Romania**
Piecing together the history of an ancient volcano

14:50-15:15 BREAK

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