



Gateway to the Arctic VIII

Workshop 4.- 7.10.2021 in Potsdam

Climate Change in the Arctic and its impact on cryosphere and permafrost regions – a transdisciplinary approach

Preliminary Program 21.09.2021

Sunday 03.10.2021

Arrival at Potsdam (Hotel information will be provided to participants before workshop)

Monday, 04.10.21

Building H, Albert-Einstein Science Park, Building A43

Registration of Workshop in Building H

Morning Session I

09:00 – 10:00 Welcome of the three partner institutions

*Prof Guido Grosse
Section Head Permafrost Research AWI Potsdam*

*Prof Jan Borm
(Vice-Président délégué Relations Internationales, UVSQ)*

*Dr Klaus Grosfeld
(Managing Director REKLIM, REKLIM / AWI)*

10:00 – 10:30 Context, aim and program of 2020 Gateway Workshop

*Dr Renate Treffeisen
(Climate office AWI / REKLIM)*

10:30 - 11:00 Coffee break

Morning Session II

11:00 – 12:15 Round to get to know each other

12:15 - 14:00 Lunch break at the canteen Telegrafenberg Building H



Afternoon Session I:

14:00 – 15:30 Setting the scene I: Overview lectures on climate change in the Arctic - sea ice and permafrost from a humanities and social science perspective

Permafrost and climate change (digital presentation)
Christophe Grenier (UVSQ)

Co-constructing knowledge about climate change with Indigenous Societies in Siberia

Dr Alexandra Lavrillier (Associate Professor, UVSQ/Université Paris-Saclay/Fellow of the Institut universitaire de France) und Semen Gabyshev (Associated Researcher, UVSQ/Université Paris-Saclay)

Sustaining relationships with nature in times of climate change: Bringing together Indigenous knowledge and natural science research
Dr Erich Kasten (Kulturstiftung Sibirien)

15:00 – 15:30 coffee break

Afternoon Session II:

15:30 – 17:00 Setting the scene II: Overview lectures on climate change in the Arctic - sea ice and permafrost from a natural science perspective

Perception of Climate Change in the Arctic – seen from within and without
Prof Jan Borm (Full Professor, UVSQ/Université Paris-Saclay)

Nunataryuk – permafrost thaw and changing arctic coast: science for socio-economic adaptation
Prof Hughes Lantuit (AWI)

Greenland's ice mass loss today: causes and consequences of recurrent melt records
Dr Ingo Sasgen: Grönland (AWI)

17:15 – 18:30 Dr Ralph Lehmann (AWI): Guided Excursion around the Telegrafenberg historical buildings. Meeting point is in front of building H where the stone columns are located.

18:30 Ice breaker



Tuesday, 05.10.21

Morning Session I: Research methods of different disciplines Part 1

9:00 - 10:30 *Methods: natural science*

Climate reconstructions and climate archive
Prof Achim Brauer (GFZ)

10:30 – 11:00 *coffee break*

Morning Session II:

11:00 - 12:30 *Methods: humanities and social science*

The Moravians in the Arctic: Exploring climate archives as a historian
Joanna Kodzik (Postdoctoral Fellow UVSQ/Université Paris-Saclay)

The Ethics of Field Work
Dr Alexandra Lavrillier (UVSQ/Université Paris-Saclay) –

12:30 - 13:30 Lunch break at the canteen Telegrafenberg

Afternoon Session I:

13:30 – 14:00 Discussion on Maupertuis, the Prussian academy of Science and Franco-German research in the Arctic?
Prof Jan Borm (UVSQ) und Johanna Kodzik (UVSQ)

14:10 *Departure to Sanssouci Castle*

15:00-17:30 *Visit of Sanssouci park with guided tour*

Evening for own

Wednesday, 06.10.21

Morning Session I: Research methods of different disciplines Part 2

09:00 – 10:30 *Methods: Humanities*

Perception of the cryosphere und co-production of knowledge
Dr Alexandra Lavrillier (UVSQ/Université Paris-Saclay), Semen Gabyshev and Dr Erich Kasten

10:30 – 11:00 *coffee break*



Morning Session II: Senior and Young scientist presentations

- 11:00 – 12:30 title to be confirmed (digital presentation)
Prof Juha Pentikäinen (University of Helsinki, Finland)
- Stratospheric impacts of wildfires in polar regions
Florent Tence (LATMOS/UVSQ/Université Paris-Saclay)
- From *fines* to territories: Evolution of boundaries and sovereignty in the Arctic (digital presentation)
Eda Ayaydin (UVSQ/Université Paris-Saclay)
- V. Stefansson and US Foreign Policy in the Arctic (digital presentation)
Alexandre Delangle (UVSQ/University Paris-Saclay)

12:30 - 14:00 Lunch break at the canteen Telegrafenberg

Afternoon Session I

- 14:00 – 15:30 *Working groups*
- Research Collaboration - translating the knowledge in a trans-disciplinary research project*
- Dr Klaus Grosfeld, Dr Jan Borm and Dr Renate Treffeisen*
- 15:30 – 16:00 coffee break
- 16:00 *Leaving for evening event in Berlin*
- 18:00 – 22:00 **Perceiving Arctic Change – Climate, Society, Sustainability**
- Perspectives of Franco-German scientific cooperation**
- Location: Langenbeck Virchow Haus in Berlin*
- (<https://www.langenbeck-virchow-haus.de/de/veranstaltungsraeume/hoersaal.html>)*
- In cooperation with the French Embassy – Program see separate PDF-document

Thursday, 07.10.2021

Morning Session I: The Arctic – a geopolitical hotspot?

- 9:00 - 09:45 *Presentation of workshop group results*
- 9:45 – 10:45 Who owns the Arctic? – An introduction to Arctic governance and security
Dr Volker Rachold (German Arctic Office at AWI)
- The Arctic and Russia's hydrocarbon culture
Prof Veli-Pekka Tynkkynen (University of Helsinki, Finland)
- 10:45 – 11:15 coffee break



Université
franco-allemande
Deutsch-Französische
Hochschule



UVSQ
UNIVERSITÉ PARIS-SACLAY



REKLIM
Helmholtz-Verbund
Regionale Klimaänderungen



ALFRED-WEGENER-INSTITUT
HELMHOLTZ-ZENTRUM FÜR POLAR-
UND MEERESFORSCHUNG



AWI Klimabüro
für Polargebiete und Meeresspiegelanstieg

Morning Session II: Networks for young scientists

- 11:15 – 12:30 Introduction to Franco-German University Saarbrücken
Prof Mentz (President Université franco-allemande Saabrücken)
- The new joint Franco-German PhD-Program on Arctic studies (PACSS)
Dr Klaus Grosfeld, Dr Jan Borm and Dr Renate Treffeisen
- The Helmholtz Graduate School POLMAR
Claudia Hanfland (AWI)
- Overall discussion*
- 12:30 - 13:30 Lunch break at the canteen Telegrafenberg

Afternoon Session I: Knowledge transfer in modern science

- 13:30 - 14:00 Knowledge transfer an important element of modern science -examples from the Helmholtz climate initiative regional climate change and humans (REKLIM)
Renate Treffeisen (Climate office, AWI) and Klaus Grosfeld (Managing Director REKLIM)
- 14:00 – 15:00 Representations of humans and nature in feature films in the times after unbelievable climate change
Prof Rolf Teigler
SRH Berlin University of Applied Sciences
- 15:00 – 15:30 *coffee break*

Afternoon Session II: Images of the future put into practice: Presentation and discussion of three short film scripts

- 15:30 – 16:30 Imagining a dystopia, telling a fictional story based on fact-based scenarios
Ipek Sertöz (independent filmmaker), Galla Borowski (SRH Berlin University of Applied Sciences), Richard Wellershoff (SRH Berlin University of Applied Sciences)
- 16:30 – 16:45 *Transfer to workshop rooms*
- 16:45 – 17:45 *Work in groups*
- 17:45 – 18:30 *Presentation of sub-working group results in plenum*

From 19:00 Barbecue in front of building H, Telegrafenberg