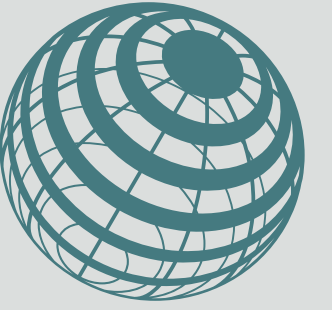


NVP INTERNATIONAL SUMMER SCHOOL 2023

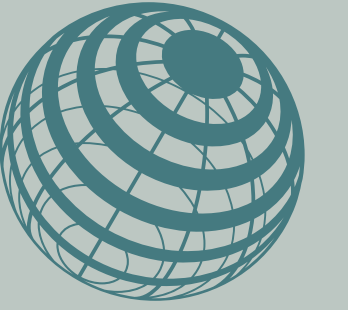
Svalbard
28 May – 6 June

Hosted by the Norwegian Scientific Academy for Polar Reserach (NVP)
in cooperation with the University Centre in Svalbard (UNIS).

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THE GLOBAL ARCTIC

Reaching out to the Third Pole: The role of climate change, geopolitics, and resource availability for global sustainability.

The Arctic region is rapidly increasing in global significance. Climate change transforms the environmental conditions in previously unseen ways opening up new opportunities for logistics, resource exploitation, and commercial development, but also exerting pressures on indigenous and local populations and vulnerable ecosystems. Geopolitical and strategic issues are brought to the forefront of the international political agenda as the arctic countries increase their efforts to secure domestic interests. Securitization needs stemming from far-way conflicts also increasingly spill over into the arctic region leading to expanding militarization and tensions contributing to a more uncertain future in the North.

THE NEW ARCTIC

In the nexus of rapid climate change and the potential for resources in the increasingly accessible Arctic, a number of ‘near-Arctic’ nations intensify their efforts to get a foothold in the Polar Regions. The opportunities for increased shipping, fishing, tourism, mineral and energy exploration can be of vital importance in the future for a large number of nations beyond the ‘Arctic five’ or ‘Arctic eight’ in securing sufficient resources for domestic use. The ‘globalization of the Arctic’ is evidenced in different ways. For instance, some of the major sources of climate gases and pollution that affect the Arctic are found in Southeast Asia with coal-based power plants and the use of large quantities of chemicals in agriculture and industry. Mitigating actions in Asia as well as other parts of the world will have win-win effects

locally as well as in the Arctic. As our understanding of the impacts of climate change expands, it becomes increasingly clear that climate change in the Arctic likely will have profound effects on global weather patterns, and hence agricultural ramifications and livelihoods conditions. The recognition that ‘what happens in the Arctic will affect the world’, is seen as a justification by numerous non-Arctic nations to enter into polar geopolitics and eventually perhaps challenge the current governance regime in the Arctic.

As the global significance of the Arctic becomes more evident, the time is ripe for linking the socio-ecological systems of the Polar Regions with challenges in other regions. The Norwegian Academy for Polar Research has therefore decided to apply the concept of “Three Poles”, the framework that links the Arctic, the Antarctic and the Himalayan regions as an umbrella framework for the next three summer schools. It has long been known that many of the challenges encountered in the Arctic are mirrored in the Second Pole – the Antarctic, and particularly within the region of the Third Pole, the Himalayan Region.

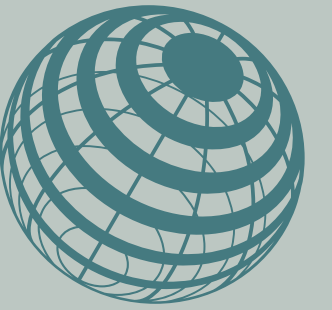
THE SLEEPING GIANT – ANTARCTICA

The amount of ice that may melt at the Second Pole is gigantic and will have significant effects on the global environment – especially in terms of climate, sea level rise and flooding of land areas populated by billions of

humans. The melting speed for the ice in Antarctica is for the moment slower than seen in the Arctic and mountain areas, and the speed of melting/aggregation differs between the Eastern and Western part. The Antarctic does not have any local or indigenous populations, only visiting scientists and tourists. The resources on land and the shelf are expected to be huge, but there is no ongoing exploitation of minerals due to the existing Antarctic treaty.

THE HINDU-KUSH HIMALAYAN MOUNTAIN AREA

This Himalayan mountain region covers more than 4,3 million square kilometers in Afghanistan, Pakistan, Bangladesh, India, Nepal, China, Bhutan and Myanmar, and provides the ecosystem services and basis for the livelihoods for 210 million local and indigenous people directly, and approximately 2 billion downstream indirectly. The Himalayas contains the world’s highest mountains, the source of 10 of the world’s largest rivers and more snow and ice than anywhere else outside the Polar Regions, hence its name, ‘The Third Pole’. As the temperature is increasing at higher altitudes, the mountain glaciers are disappearing much as observed at northern latitudes.



SVALBARD SUMMER SCHOOLS

Exploring Arctic knowledge and adventure.

For all three poles, the dramatic effects of climate change is the most obvious denominator, while the other global drivers of change, population growth, pollution and degradation of biodiversity vary much more across these regions. The NVP summer schools will address many of these issues step-wise over a three-year period.

THE 2022 SUMMER SCHOOL commenced with a ‘one-pole’ perspective on the “Global Arctic”, showing how the Arctic and the rest of the world is connected and how globalization, climate change and transboundary pollution shapes science, commerce, security and geopolitics. It further laid the foundations for a ‘two-pole’ focus in the subsequent 2023 Summer School, where the similarities and differences between the Arctic and the Himalayas are especially relevant and interesting.

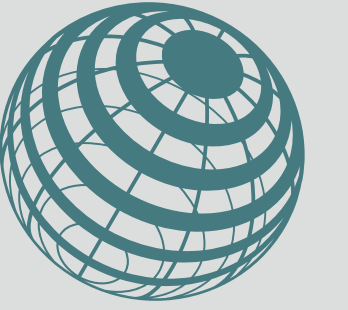
THE 2023 SUMMER SCHOOL: The resources in the Arctic and the Himalayas are of great interest to many countries, especially when it comes to freshwater, minerals and energy. Freshwater is a case in point of a particularly salient linkage between these two regions. In the Arctic the supply of freshwater increases due to melting of ice and increased precipitation – a potential resource which is currently not being exploited. Freshwater flows to the ocean and contributes to lower salinity in surface

layers, which subsequently can affect the submersion of heavy ocean water and ultimately ocean circulations. A ‘Linked Poles’ perspective begs the question; How can increasing freshwater volumes in the Arctic benefit the Southeast Asia and other regions with an expected future deficit in freshwater? This is an issue of great complexity and potentially vital for a large portion of humanity. And there are multiple other complex questions where the two regions can benefit from ideas, joint research and lessons learned on topics like governance, legal instruments, political dimensions and transboundary challenges, climate change adaptation, securitization and militarization, resource exploitation and environmental protection.

It is increasingly evident that the processes of change affecting the Arctic and the Himalayas will have profound implications for the environment and for the socio-economic development and livelihoods for a large portion of the World’s population in the future. The Arctic and the Himalayas share many similarities and differences in terms of the biophysical and socio-economic environment. Given the global magnitude of future climate change challenges, NVP’s 2023 Summer School aims to produce a contribution towards a broader understanding of the global significance of the polar regions, as well as incorporating novel ideas for research and learning from a part of the world not usually considered as ‘polar’, but which obviously shares comparable challenges.

Finally, the **2024 SUMMER SCHOOL** will follow up with a comprehensive ‘three-pole’ perspective, expanding on how the natural systems of extreme environments of the Arctic, the Himalayas and the Antarctic are coupled in vital ways, e.g. how global climate change in these environments will affect the future livelihoods, and food and energy production not only within these regions, but also on a global scale. The salient questions about what governance regimes will – or may emerge as responses to future challenges will be discussed.





LECTURERS

Our distinguished lecturers are experts in their respective fields, with years of experience and a passion for sharing their knowledge. They come from a diverse range of backgrounds, including academia, industry, and government, and will provide a unique perspective on the theme of the summer school 2023.



Grete K. Hovelsrud

Grete is President to the Norwegian Scientific Academy for Polar Research (NVP) and International Arctic Social Sciences Association (IASSA). She is professor of environmental sociology at Nordland Research Institute and Nord University in Bodø, Norway. She has conducted extensive fieldwork in East and West Greenland, Svalbard, and Northern Norway. Her work focuses on interdisciplinary studies of adaptation to climate change, adaptive capacity of couple social-ecological systems, and on transformation to a low-emission of society.



Bjørn P. Kaltenborn

Bjørn is a Senior Research Scientist at the Norwegian Institute for Nature Research (NINA) and Vice President of the Norwegian Scientific Academy for Polar Research (NVP). As a social scientist he works with interdisciplinary projects related to land use planning, environmental security, management and policy in Arctic regions and human-environment interactions.



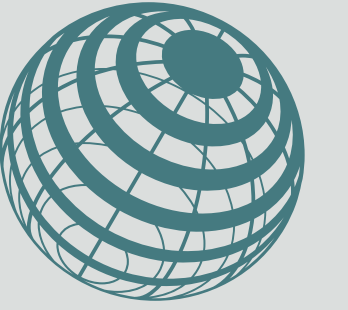
Thor S. Larsen

Thor is a Biologist and the Secretary General to the Norwegian Scientific Academy for Polar Research (NVP). He is currently a researcher at the Department of International Environment and Development Studies at the Norwegian University of Life Sciences (NMBU). He has worked internationally with the management of the environment and natural resources. He is particularly known for his work with polar bears and was a driving force behind the conclusion of *The 1973 Agreement on the Conservation of Polar Bears*.



Lars-Otto Reiersen

Lars-Otto is a Marine Biologist and Professor with a long-term track record from working in the Arctic. He has been actively involved in research, monitoring, and management of natural resources topics in the Arctic region for several decades, including the Arctic Council and the Arctic Monitoring and Assessment Programme (AMAP).



Richard Davy

Richard is a Senior Researcher at the Nansen Environmental and Remote Sensing Center (NERSC) and part of the planning committee for the summer school. His research interests are principally related to the physical processes that couple the atmosphere, ocean, and sea ice in the Arctic. As the Arctic rapidly transitions to seasonal sea ice cover in the coming decades the sea ice becomes more broken and mobile which radically changes the interactions between ocean and atmosphere. He is interested in the processes that govern this transition and that will shape the Arctic climate in the future.



Anna Sveinsdóttir

Anna is a Senior Researcher at the Nordland Research Institute and holds a PhD in Geography. Dr Sveinsdóttir studies citizen engagement in environmental governance and infrastructural development, focusing on how local communities can influence decision-making that facilitates positive environmental and societal changes. Her past research includes mining disputes in Guatemala, public participation in pipeline regulation in the U.S., and coastal tourism development in Nicaragua. She has also worked in the tourism industry, planning hiking trips in Iceland and Greenland.



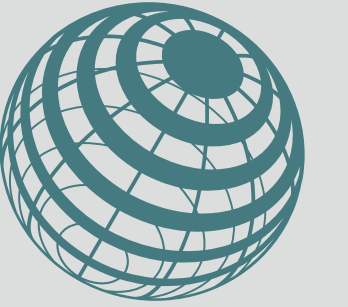
Jøran Moen

Jøran is Managing Director at the University Centre in Svalbard (UNIS), where he oversees the institution's operations and strategic planning. Before his position at UNIS, he had a career as a professor of Space Physics at the Department of Physics at the University of Oslo, where he also served as the head of the department. He is actively involved in promoting education and research to develop a knowledge-based society for sustainability.



Fred Skancke Hansen

Fred is Director of HSE and Infrastructure at the University Centre in Svalbard (UNIS). He oversees the quality assurance of health, safety, and environmental aspects of the institution's scientific field operations, with a focus on logistics and safety training for both marine and terrestrial activities. Additionally, he is responsible for all infrastructure at UNIS and coordinates services in support of science and teaching.



Stig Magnus Lunde

Stig is Head Engineer at the University Centre in Svalbard (UNIS) within the Operations and Field Safety section as well as Arctic Safety Centre (ASC). He arrived in Svalbard in 2013 as a UNIS student pursuing a master's degree in chemistry. After spending six months on the island, leaving became an inconceivable choice, leading him to secure a position as a Nature Guide. Over the course of eight years, he served as a guide and guide manager, concurrently undertaking the year-long Arctic Nature Guide programme at UNIS and completing a master's in societal safety.



Chi Huyen Truong (‘Shachi’)

Shachi uses her anthropological training to create impacts by building genuine and productive interdisciplinary partnerships in research and higher education of and for sustainability. She currently leads the Secretariat of the Himalayan University Consortium, a thriving network of 90 university members in eight Hindu Kush Himalayan countries, hosted by the International Centre for Integrated Mountain Development (Kathmandu, Nepal). She co-leads the HUC Academy, an intensive program catering to early/mid-career professionals, focusing on mountain and upstream-downstream issues of sustainability, interdisciplinarity, and leadership.



Inka Koch

Inka is a glaciologist and global awareness educator. She has lived and worked on all seven continents and believes in the power of changing perspectives. Passionate about observing and measuring the impacts of climate change on high-altitude glaciers and polar ice sheets she has recently moved into interdisciplinary education to focus on finding, supporting, and communicating solutions for our climate crisis fast. She believes in working with different generations, across disciplines and in a global network.



Brita Knudsen Dahl

Brita is characterised by vast experience in innovative and demanding Arctic tourism operations of exceptional quality. With over 30 years of experience in developing distinctive destinations, she is an attractive resource for innovation and nature-based niche tourism. She has developed Isfjord Radio Adventure Hotel, Nordenskiöld Lodge, and Basecamp Explorer's *Ship in the Ice*. The *Ship in the Ice* is no longer in operation, due to climate change in Svalbard.



Henry Huntington

Henry is the Arctic Science Director for Ocean Conservancy and also an independent researcher, from Eagle River, Alaska. His research focuses on human-environment interactions in the Arctic. He has published dozens of scientific papers as well as popular articles and two books. He has contributed to several international Arctic programs and is a member of the Norwegian Scientific Academy for Polar Research. Huntington has also made long trips in the Arctic by dog sled, open boat, and snowmachine.



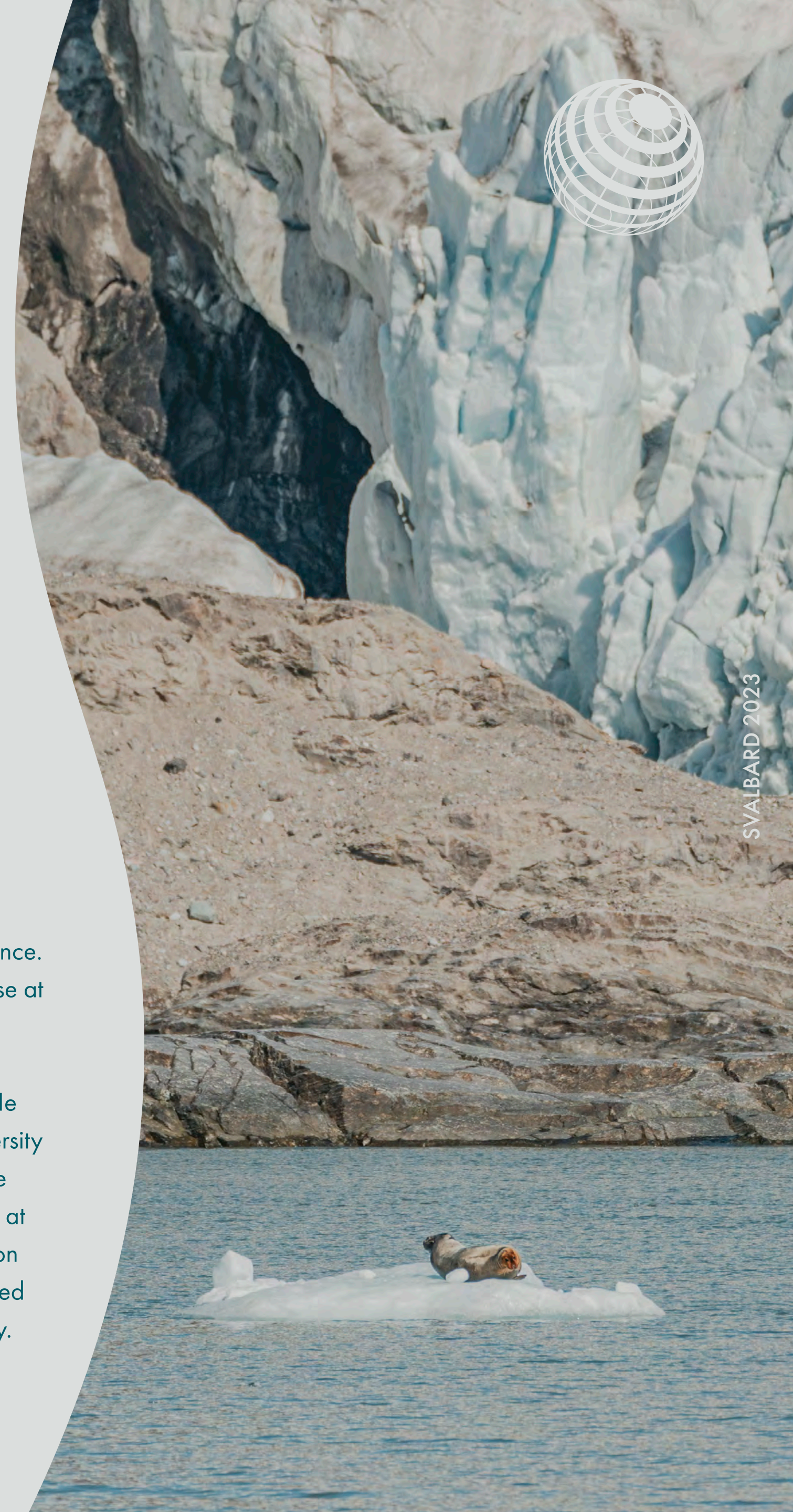
Caroline Kennedy-Pipe

Caroline is a professor of international security and international relations at Loughborough University in the UK. She holds a First-Class degree in History, an MSc Econ in Strategic Studies and a PhD in International Relations, and has made significant contributions to the field through her research and education. Her expertise spans a range of topics, including the Cold War, the Arctic, and war in the international system.

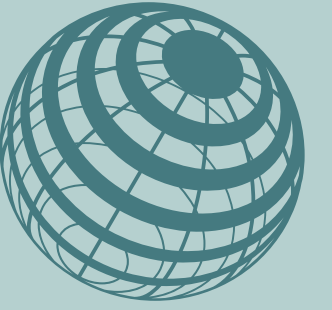


Jonny Didriksen

Jonny is a Senior Adviser at the Norwegian Joint Headquarters, with a background in political science. In 2014, he completed the Senior Executive Course at the Norwegian National Defense College and in 2019 he attended the Generals, Flagofficers and Ambassadors course at Nato Defence College. He has conducted research and lectured at the University of Agriculture and Nord University in Norway. He advised and served as Assistant Director General at the Ministry of Fisheries and Coastal Administration from '89 to '94. The following five years, he worked for the Executive Committee for Northern Norway.



SUNDAY 28 MAY



12.00 - 15.00 Students arrive in Longyearbyen

The Academy will be present at the airport in Longyearbyen to welcome the students and make the necessary arrangements for transportation into the town. There will be two scheduled transportation services from Longyearbyen airport to the town throughout the day. These services are specifically coordinated with the following flights:

Norwegian DY396, Oslo–Longyearbyen – 07.45–12.10

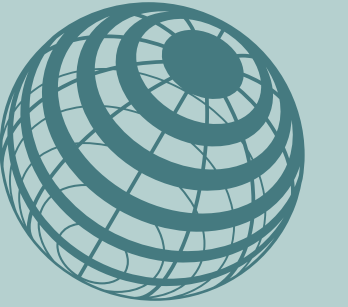
SAS SK4414, Oslo–Longyearbyen – 09.45–13.50

 Kroa Restaurant, town centre

17.30 Pizza and get-together

The Academy invites both students and lecturers to a social dinner and get-together. This gathering presents an opportunity for all of us to connect and get to know each other better before embarking on a busy week ahead.



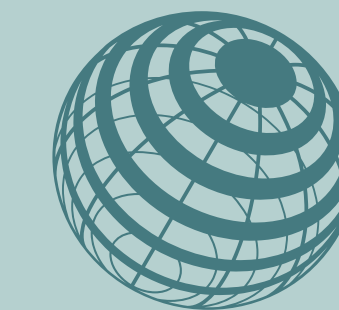


MONDAY 29 MAY

*Introducing the Norwegian Scientific Academy for Polar Research and the Summer School 2023.
Session chair: Bjørn P. Kaltenborn (NINA, NVP)*

- 08.30 - 09.00** **Orientation/registration**
📍 The University Centre in Svalbard (UNIS)
You are welcomed by the Academy at the entrance.
- 09.00 - 09.30** **Welcome and brief information about the Academy**
with Thor S. Larsen (NVP)
- 09.30 - 10.15** **The University Centre in Svalbard – a presentation**
with Jøran Moen (UNIS)
- 10.15 - 10.45** **Coffee Break**
- 10.45 - 12.15** **Presentation of students and participants**
Three minutes per person including questions. Each presentation includes relevant studies and the relation to the summer school topics.
- 12.15 - 13.00** **Lunch (included)**
A warm lunch is served in the cafeteria.

- 13.00 - 14.30** **A global Arctic and a two pole perspective**
with Caroline Kennedy-Pipe (Loughborough University)
- 14.30 - 15.00** **Coffee Break**
- 15.00 - 15.45** **Organisation of the summer school, interdisciplinary approach, and group work**
with Bjørn P. Kaltenborn (NINA, NVP)
- 15.45 - 16.15** **Open discussions and debate**
- 16.15 - 17.00** **Organisation of student groups**

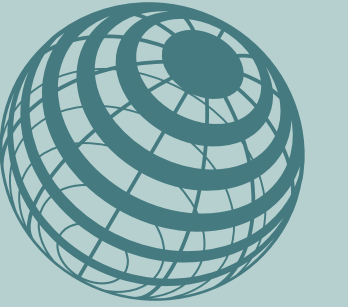


TUESDAY 30 MAY

*Climate change and effects on the natural environment.
Session chair: Fred S. Hansen (UNIS).*

- 09.00 - 10.00** **HSE brief - risk scenarios in Svalbard**
with Stig Magnus Lunde (UNIS, ASC)
The University Centre in Svalbard (UNIS)
- 10.00 - 11.30** **Introduction to polar bear safety - theoretical session**
with Stig Magnus Lunde (UNIS, ASC)
- 11.30 - 12.00** **Lunch (included)**
A warm lunch is served in the cafeteria.
- 12.00 - 14.00** **Introduction to polar bear safety - practical session**
with Fred Skancke Hansen (UNIS)
Advent Valley

- 14.00 - 15.00** **Hands-on training in safety suits**
with Fred Skancke Hansen (UNIS)
City Harbour
- 15.00 - 17.00** **Mountain hike**
with Fred Skancke Hansen (UNIS)
"Varden"
- 17.00 - 18.00** **Wrap-up session**
Discussions and reflections on the practical safety training.
The University Centre in Svalbard (UNIS)



WEDNESDAY 31 MAY

The Interdisciplinary Global Arctic.
Session chair: Thor S. Larsen (NVP).

 The University Centre in Svalbard (UNIS)

09.00 - 10.00 **A defense and security perspective on the global Arctic**
with Jonny Didriksen (NJHQ)

10.00 - 11.00 **Resource dynamics and climate change in the Arctic**
with Richard Davy (NERSC, NVP)

11.00 - 11.30 **Coffee Break**

11.30 - 12.30 **Resilience and livelihoods in high alpine regions**
with Chi "Shachi" Huyen Truong (ICIMOD)

12.30 - 13.15 **Lunch (included)**
A warm lunch is served in the cafeteria.

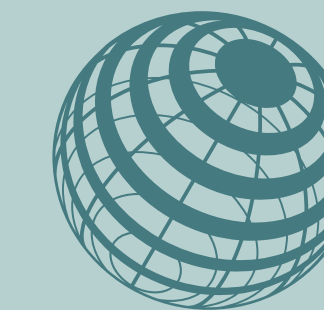
13.15 - 14.15 **Current issues in Arctic and high-altitude tourism**
with Anna Sveinsdóttir (NRI)

14.15 - 15.15 **Local and indigenous issues in a larger socio-ecological context**
with Henry Huntington (Ocean Conservancy)

15.15 - 15.45 **Coffee Break**

15.45 - 16.45 **Pollution of the two poles**
with Lars-Otto Reiersen (NVP)

16.45 - 17.45 **Organisation of student groups and wrap-up**

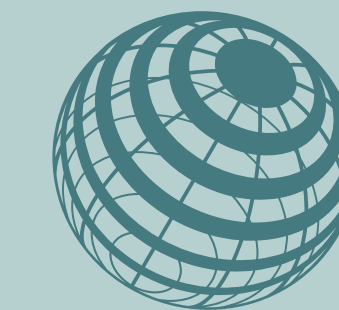


THURSDAY 1 JUNE

Arctic – Himalayan geopolitics and linkages.
Session chair: Lars-Otto Reiersen (NVP).

- 08.30 - 09.00** **Pick-up**
Coal Miners Cabins and UNIS Guesthouse
A bus will pick up students at their accommodation at 08.30, followed by the approximate pick-up time for the lecturers at 08.15.
- 09.00 - 11.00** **Boat transportation to Kapp Linné (Isjord Radio)**
- 11.00 - 13.00** **Isfjord arrival and check-in: Explore camp, facility information, safety measures, and rules**
Isfjord Radio
with Brita Knudsen Dahl (Basecamp Explorer)
- 13.00 - 14.00** **Lunch (included)**
Lunch is served in the dining room.
- 14.15 - 15.00** **A changing Arctic and the war in Ukraine**
with Caroline Kennedy-Pipe (Loughborough University)

- 15.00 - 16.00** **The strategic role of Svalbard in a changing High Arctic**
with Bjørn P. Kaltenborn (NINA, NVP)
- 16.00 - 16.30** **Coffee Break**
- 16.30 - 17.30** **'Small States and the Arctic': Iceland and changing defense politics**
with Caroline Kennedy-Pipe (Loughborough University)
- 17.30 - 19.30** **Group work and wrap-up**
- 20.00** **Dinner (included)**
Dinner is served in the dining room. Please note that alcoholic beverages are not provided and should be purchased individually.



FRIDAY 2 JUNE

Climate and environmental change.

Session chair: Richard Davy (NERSC, NVP).



07.00 - 09.00

Breakfast (included)

Please note that students may be divided into two groups for the breakfast buffet (first group from 07.00 to 08.00, and the second group from 08.00 to 09.00).

09.00 - 10.00

Climate change in the Arctic environment

with Lars-Otto Reiersen (NVP)

10.00 - 11.00

Amplified warming and tipping points at high latitudes and altitudes

with Richard Davy (NERSC, NVP)

11.00 - 11.30

Coffee Break

11.30 - 13.00

Climate change affecting the stability of Asia's water tower and possible coping mechanisms

with Inka Koch (University of Tübingen) and Chi "Shachi" Huyen Truong (ICIMOD)

13.00 - 14.00

Lunch (included)

Lunch is served in the dining room.

14.00 - 16.00

Plenary discussion

16.00 - 16.30

Coffee Break

16.30 - 19.00

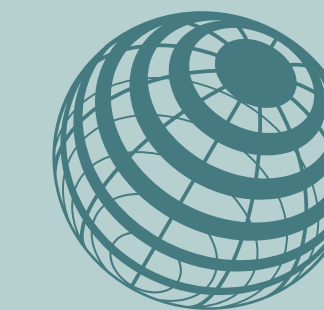
Group work / wrap-up / field trip

Please note that the field trip is subject to weather conditions.

20.00

Dinner (included)

Dinner is served in the dining room. Please note that alcoholic beverages are not provided and should be purchased individually.



SATURDAY 3 JUNE

Tourism.

Session chair: Grete K. Hovelsrud (Nord University, NRI, NVP).



Isfjord Radio

07.00 - 09.00

Breakfast (included)

Please note that students may be divided into two groups for the breakfast buffet (first group from 07.00 to 08.00, and the second group from 08.00 to 09.00).

09.00 - 10.00

Adaptation and transformative change in Longyearbyen

with Grete K. Hovelsrud (Nord University, NRI, NVP)

10.00 - 11.00

Stakeholder engagement in tourism development in marginal regions

with Chi "Shachi" Huyen Truong (ICIMOD)

11.00 - 11.30

Coffee Break

11.30 - 12.30

How can environmental changes impact life and tourism in the Himalayas in the future?

with Inka Koch (University of Tübingen)

12.30 - 13.30

A local tourism operator on how to "grow and develop" land-based sustainable tourism in Svalbard: Exploring 20 years of operations, choices, and development with climate change as one of the key framework factors

with Brita Knudsen Dahl (Basecamp Explorer)

13.30 - 14.30

Lunch (included)

Lunch is served in the dining room.

14.30 - 15.30

Plenary discussion

15.30 - 18.30

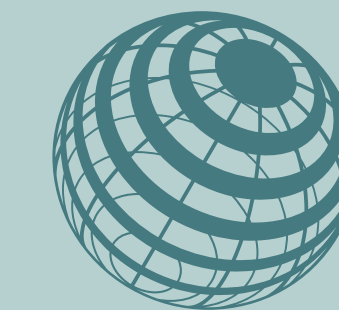
Group work / wrap-up / field trip

Please note that the field trip is subject to weather conditions.

20.00

Dinner (included)

Dinner is served in the dining room. Please note that alcoholic beverages are not provided and should be purchased individually.



SUNDAY 4 JUNE

Local and indigenous issues, conservation, and environmental management.
Session chair: Bjørn P. Kaltenborn (NVP).



Isfjord Radio

07.00 - 09.00

Breakfast (included)

Please note that students may be divided into two groups for the breakfast buffet (first group from 07.00 to 08.00, and the second group from 08.00 to 09.00).

09.00 - 10.00

How can local and indigenous research inform conservation and management

with Henry Huntington (Ocen Conservancy)

10.00 - 11.00

How to reconcile the fundamental differences between local and traditional knowledge and science

with Grete K. Hovelsrud (Nord University, NRI, NVP)

11.00 - 11.30

Coffee Break

11.30 - 12.30

Experiences from involving indigenous interests in setting agendas in the Arctic and Himalayas, e.g. working groups in AC etc.

with Lars-Otto Reiersen (NVP) and Chi "Shachi" Huyen Truong (ICIMOD)

12.30 - 13.30

Plenary discussion

13.30 - 14.30

Lunch (included)

Lunch is served in the dining room.

14.30 - 18.30

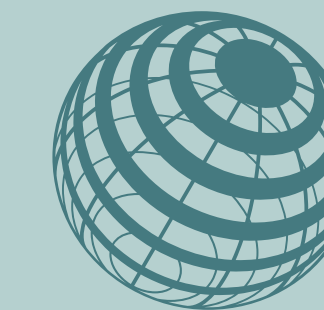
Group work / wrap-up / field trip

Please note that the field trip is subject to weather conditions.

20.00

Dinner (included)

Dinner is served in the dining room. Please note that alcoholic beverages are not provided and should be purchased individually.



MONDAY 5 JUNE

Governance and institutions.

Session chair: Bjørn Kaltenborn (NINA, NVP).



Isfjord Radio

07.00 - 09.00

Breakfast (included)

Please note that students may be divided into two groups for the breakfast buffet (first group from 07.00 to 08.00, and the second group from 08.00 to 09.00).

09.00 - 10.00

Transboundary cooperation in the Hindukush-Himalayas

with Chi "Shachi" Huyen Truong (ICIMOD)

10.00 - 11.00

Sweden, Finland and the Arctic or/and new players in the Arctic – Turkey, India and South Korea

with Caroline Kennedy-Pipe (Loughborough University)

11.00 - 11.30

Coffee Break

11.30 - 12.30

The new Arctic: The establishment of Arctic governmental and scientific cooperations – what about the Arctic Council now?

with Lars-Otto Reiersen (NVP)

12.30 - 13.30

Science diplomacy – how the international polar bear agreement was reached

with Thor S. Larsen (NVP)

13.30 - 14.30

Lunch (included)

Lunch is served in the dining room.

14.30 - 15.30

Plenary discussion

15.30 - 18.00

Field trip

Please note that the field trip is subject to weather conditions.

18.00 - 20.00

Group work, wrap-up, finalising plans for student paper

20.00

Dinner (included)

Dinner is served in the dining room. Please note that alcoholic beverages are not provided and should be purchased individually.

TUESDAY 6 JUNE



 Isfjord Radio

07.00 - 09.00

Breakfast (included)

Please note that students may be divided into two groups for the breakfast buffet (first group from 07.00 to 08.00, and the second group from 08.00 to 09.00).

09.00 - 11.00

Boat transportation to Longyearbyen (first group)

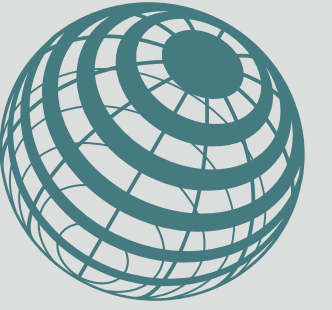
Participants with flight departures on 6 June will be given priority. Buses will be stationed at the harbour in Longyearbyen and will provide direct transportation to the airport.

12.00 - 14.00

Boat transportation to Longyearbyen (second group)

Buses will be stationed at the harbour and will provide direct transportation to the airport followed by the town centre.





CONTACT INFO

In case of emergencies or questions.

In case of emergency

Police

Phone: 112

Hospital

Phone: 113

Fire department

Phone: 110

The Polar Academy



Ragnhild Utne

Office Manager

Phone: +47 995 78 383

Email: post@polar-academy.com



Thor S. Larsen

Secretary General

Phone: +47 909 29 282

UNIS

Reception

*Monday-Friday 08.00 – 15.30
(except 29 May which is a public holiday)*

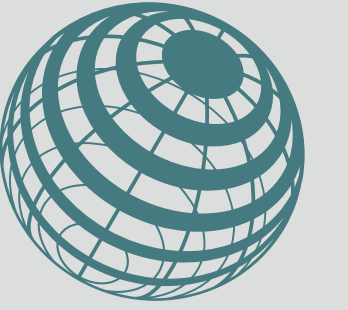
Phone: +47 79 02 33 00

Email: reception@unis.no

On-duty Officer

(should not be used without reason)

Phone: +47 952 83 511



FREQUENTLY ASKED QUESTIONS

The purpose of the FAQ is to offer guidance. Should you have any additional questions, please don't hesitate to reach out to us.

What do I need to pack?

As it is summer in the Arctic, temperatures typically range from 0 to 10 degrees Celsius. It is advisable to be prepared for rain and cold winds.

When packing, please ensure to bring layered clothing, preferably including woollen layers, a windproof and waterproof jacket and pants, sturdy shoes, a warm hat, gloves, and a scarf or neck gaiter. Additionally, having a smaller backpack for the walk to and from the University Centre in Longyearbyen as well as the field trips at Kapp Linné (Isfjord Radio) would be useful. We recommend bringing hiking shoes for the field trips.

Having a warm jacket with you will ensure your comfort, especially if we decide to light a bonfire during an evening at Isfjord Radio. To assist with your packing and ensure a smooth packing process, we have provided a suggested packing list for your convenience. Please refer to the list on page 22 and check off the items as you prepare for your trip.

Is there anything I must prepare beforehand?

There is very little required of you prior to the summer school, except

planning for the actual trip to Svalbard. After the summer school, and when students have discussed topics for the interdisciplinary article, it is up to each student how much they are willing to participate into writing the final article. You should most likely count at least one week's extra work in total.

What are the living arrangements? How is the accommodation?

In Longyearbyen, students will be accommodated at Coal Miners Cabins, located in Nybyen. These historic barracks, where miners resided in the 1950s, have been renovated since then. Each student will have their own private bedroom during their stay in Longyearbyen, but the bathrooms will be shared. Additionally, the Longyearbyen accommodation provides kitchens for self-catering purposes. However, breakfast will be served in the reception building and is included during your stay.

At Isfjord Radio, accommodation will be in shared double rooms with shared bathrooms.

Which meals are included during the Summer School?

In Longyearbyen, breakfast is included at your accommodation, and lunch will be provided at the University Centre. You are responsible for either preparing your own dinner at the accommodation or dining out.

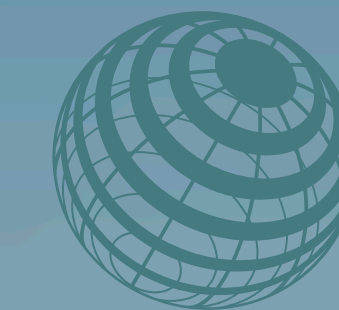
At Isfjord Radio, all meals are included. However, please note that you may need to cover the cost of some beverages and snacks during your stay.

Additionally, all coffee breaks are included both in Longyearbyen and at Isfjord Radio.

How can I reach the accommodation from the airport?

Students arriving on Sunday, 28 May, with Norwegian flight DY396 at 12.10 and SAS flight SK4414 at 13.50 will be greeted at the airport and provided transportation to the accommodation in Nybyen.

For those arriving outside of these specified times, it will be necessary to arrange their own transportation. The airport bus conveniently stops in



Nybyen. Please inform the bus drivers of your destination, and they will direct you to the appropriate bus. The bus fare is NOK 100 for adults and NOK 70 for students, and credit cards are accepted on the airport bus. Please proceed to the reception at Coal Miners Cabins for check-in.

How can I navigate around town?

For a city map, please refer to page 23. The town centre and UNIS are approximately a 20-25 minute walk from Nybyen.

It is important to be aware of the presence of polar bears in Svalbard. When venturing beyond the town boundaries, it is vital to carry polar bear protection with you. On Tuesday, 30 May, the UNIS Director of HSE and Infrastructure as well as the Head Enineger will conduct a safety briefing to provide essential guidance in this regard.

Is Longyearbyen an expensive place?

When compared to mainland Norway, Longyearbyen exhibits a combination of higher and lower prices. Fresh produce, in particular, tends to be relatively costly. However, it is noteworthy that Svalbard operates as

a tax-free area, resulting in lower prices for certain items compared to the rest of Norway, such as clothing, electrical devices, alcohol, and tobacco.

Is it possible to extend my stay at the accommodation?

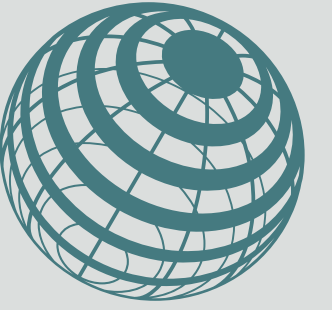
Subject to availability at Coal Miners Cabins, it may be possible to extend your stay. However, please be aware that any accommodation beyond the duration of the summer school programme will need to be covered by you.

Will there be arranged transportation from Longyearbyen to the airport?

Transportation will be coordinated for students departing from Longyearbyen harbour on Tuesday, 6 June, specifically for SAS flight SK4425 scheduled for 14.30. If you are departing on a different flight, you will need to make your own transportation arrangements.

For other questions, please do not hesitate to reach out to us.



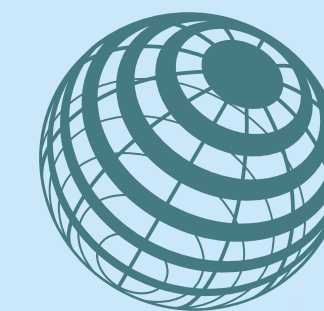


SUGGESTED PACKING LIST

For your convenience, we have prepared a packing list to assist you in preparing for your trip to Svalbard. Please use this list to ensure you have the most essential items and feel free to tick them off as you pack. Add items as needed.

- | | | | |
|--|--|---|--|
| <input type="checkbox"/> Warm beanie | <input type="checkbox"/> Warm jacket (preferably down) | <input type="checkbox"/> Binoculars | <input type="checkbox"/> Phone and charger |
| <input type="checkbox"/> Scarf or neck gaiter | <input type="checkbox"/> Sets of regular indoor clothing | <input type="checkbox"/> (Crampons/spikes) | <input type="checkbox"/> Laptop and charger |
| <input type="checkbox"/> Gloves/mittens (with wool liners) | <input type="checkbox"/> Slippers or indoor shoes | <input type="checkbox"/> Camera with memory card | <input type="checkbox"/> Notebook and pen(cil) |
| <input type="checkbox"/> Woollen underwear (base layer) | <input type="checkbox"/> Hiking shoes | <input type="checkbox"/> Water bottle and/or thermos | <input type="checkbox"/> (Travel plug adapter) |
| <input type="checkbox"/> Thick woollen sweater (midlayer) | <input type="checkbox"/> Comfortable walking shoes | <input type="checkbox"/> Swimsuit (for the Arctic plunge) | <input type="checkbox"/> _____ |
| <input type="checkbox"/> Woollen socks (thick and liners) | <input type="checkbox"/> Sunglasses (midnight sun) | <input type="checkbox"/> Sleepwear | <input type="checkbox"/> _____ |
| <input type="checkbox"/> Wind- and waterproof pants | <input type="checkbox"/> Sunscreen | <input type="checkbox"/> Toiletries | <input type="checkbox"/> _____ |
| <input type="checkbox"/> Wind- and waterproof jacket | <input type="checkbox"/> Smaller backback | <input type="checkbox"/> Passport | <input type="checkbox"/> _____ |

Tip: Upon arrival in Longyearbyen, a wide array of stores offer outdoor clothing and gear, if needed.



LONGYEARBYEN

CITY MAP

- 1 The University Centre in Svalbard (UNIS)
- 2 Grocery store (Svalbardbutikken)
- 3 Town centre and shopping centre (Lompensenteret)
- 4 Coal Miners Cabins (accommodation)
- 5 Kroa Restaurant
- 6 Advent Valley
- 7 "Varden" (mountain hike)
- 8 City harbour
- 9 Library
- 10 Airport (7-minute drive)



SVALBARD 2023

Isdammen