



Objectives

The aim of the summer school is to improve understanding of the Arctic climate system and its linkages with lower-latitude climate. The program brings together Chinese and Norwegian students and researchers working on Arctic climate science, with the goal of strengthening bilateral collaboration in climate research and education.

Program overview

Date	Morning	Afternoon
14 August 2026	Lectures	Group discussions and teamwork based on the morning lectures
15-16 August 2026	Networking activities & Fjord visit	
17-19 August 2026	Lectures	Group discussions and teamwork based on the morning lectures
20 August 2026	Lectures	Presentation from teamwork
21 August 2026	Visits to GFI/Nansen Centre	Departure

Detailed program

Day 1, 14 th August		Room
8:30-9:00	Arrival and opening remarks	4020
9:00 – 10:00	Impacts of Arctic Climate Change (Shengping He)	4020
	10 min break	

10:10 – 11:10	Advances in climate prediction (Noel Keenlyside)	4020
	10 min break	
11:20-12:20	SMART climate prediction system and application (Xuguang Sun)	4020
12:20 – 13:00	Student presentation (1 – slide each)	4020
13:00 – 14:00	Lunch	Canteen
14:00 - 17:00	Group presentations and discussions	4020, U105, R212
17:00 – 19:00	Ice breaker (Snacks, Pizza, Drinks)	
Weekend, 15-16 th August Networking activities & Fjord visit		
Day 2, 17th August		
9:00 – 10:00	Tropical Pacific impacts on the Arctic (Lea Svendsen)	4020
	10 min break	
10:10 – 11:10	When the Arctic Warmed and Eurasia Cooled in the Early Twentieth Century (Fei Li)	U105
	10 min break	
11:20 – 12:20	Stratospheric dynamics and stratosphere-troposphere coupling importance for climate (Nour-Eddine Omrani)	U105
12:20 – 13:30	Lunch	
13:30 – 14:30	Tropical cyclones and how they are affected by climate change (Dandan Tao)	4020
13:30 – 17:00	Group discussions and teamwork based on the morning lectures	4020, U105, R212
Day 3, 18th August		
9:00 – 10:00	Remote sensing of sea ice in the microwave (Anton Korosov)	4020
	10 min break	
10:10 – 11:10	Simulation of sea ice dynamics (Anton Korosov)	4020
	10 min break	
11:20 – 12:20	Mid-High Latitude Cold-Season Extratropical Cyclones and Their Role in Tropical-Arctic Interactions. (Haibo Hu)	4020

12:20 – 13:30	Lunch	
13:30 – 17:00	Group discussions and teamwork based on the morning lectures	4020, U105, R212
Day 4, 19th August		
9:00 – 10:00	Illustrated introduction to the data assimilation theory (Yue Ying)	4020
	10 min break	
10:10 – 11:10	Hands on practice using a 2D vortex example (Yue Ying)	4020
	10 min break	
11:20 – 12:20	Sea ice forecasting (Yiguo Wang)	4020
12:20 – 13:30	Lunch	
13:30 – 17:00	Group discussions and teamwork based on the morning lectures	4020, U105, R212
Day 5, 20th August		
9:00 – 10:00	Air-sea-ice interaction resulting in water mass transformation in\near the MIZ (Kjetil Våge)	4020
	10 min break	
10:10 – 11:10	Impacts of ice loss on ocean overturning in the Nordic Seas and Arctic Ocean (Kjetil Våge)	U105
	10 min break	
11:20 – 12:20	Energy Imbalance and Redistribution in the Earth System (Lingling Suo)	U105
12:20 – 13:30	Lunch	
13:30 – 17:00	Presentation from teamwork	4020
17:00 –	Closing event (BBQ, snacks, drinks)	
Day 6, 21st August		
Morning	Visit GFI, Nansen Center (Shengping)	
Afternoon	Free time	
	Departure (17:25)	