

Polar Winter School – Daily agenda

Please keep in mind that this is a tentative programme and may change depending on weather or other circumstances. Nevertheless, we try to do our best to make the Polar Winter School a great experience for you.

We are also planning a visit to the spa or pool during the week, but we don't know exactly when yet. This is mainly reserved for days with bad weather.

The programme is divided into two parts: theoretical and practical activities. Theoretical activities include specialized lectures on individual topics. Each lecturer should provide one lecture of 45-60 min.

Practical activities include field measurements, data analysis and excursions focusing on Icelandic landscape, nature and culture.

Sunday, March 2, 2025 – Arrival Day

- **9:00 AM – 5:00 PM** Students' arrival and accommodation
- **5:00 – 7:00 PM** Welcome word, campus guided tour and ice breaking (Orkuverid room)
- **7:00 – 8:00 PM** Dinner

Monday, March 3, 2025 – Daily Trip

- **8:00 – 9:00 AM** Breakfast
- **9:00 AM – 10:00 AM** Introduction and safety instructions.
- **10:30 AM – 11:45 AM** Morning lecture - Snow hydrology and hydropower in Iceland
- **12:00 – 1:00 PM** Lunch
- **1:00 – 4:00 PM** Trip to the campus surroundings – Andakílsá Hydropower Station
- **5:00 – 7:00 PM** Evening lectures
- **7:00 – 8:00 PM** Dinner

Tuesday, March 4, 2025 – Field Work

- **8:00 – 9:00 AM** Breakfast
- **9:00 AM – 12:00 PM** Morning Field Work by groups
- **12:00 – 1:00 PM** Lunch
- **1:00 – 4:00 PM** Afternoon Field Work by groups
- **5:00 – 7:00 PM** Evening lectures

- **7:00 – 8:00 PM** Dinner
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Wednesday, March 5, 2025 – Daily Trip

- **8:00 – 9:00 AM** Breakfast
 - **9:00 AM – 7:00 PM** Daily trip to the **Langjokull Glacier**
 - **7:00 – 8:00 PM** Dinner
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Thursday, March 6, 2025 – Field Work

- **8:00 – 9:00 AM** Breakfast
 - **9:00 AM – 12:00 PM** Morning Field Work by groups
 - **12:00 – 1:00 PM** Lunch
 - **1:00 – 4:00 PM** Afternoon Field Work by groups
 - **5:00 – 7:00 PM** Evening lectures
 - **7:00 – 8:00 PM** Dinner
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Friday, March 7, 2025 – Indoor Work

- **8:00 – 9:00 AM** Breakfast
 - **9:00 AM – 12:00 PM** Data Analysis
 - **5:00 – 7:00 PM** Evening lectures + Students' presentations
 - **7:00 – 8:00 PM** Dinner
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Saturday, March 8, 2025 – Departure Day

- **8:00 – 9:00 AM** Breakfast
 - **9:00 – 10:00 AM** Morning lecture and wrap up of the PW
 - **12:00 AM – 10:00 PM** Departure of all participants
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Groups of students

Group 1	Group 2	Group 3	Group 4
Amanda Rose Evans	Eliška Pechlátová	Kristýna Petráňová	Nicole Komárková
Vít Wallisch	Georgy Kvetenadze	Nabid Sheikh	Vilém Gabrhel
Zuzanna Kulis	Julia Kuntze	Cem Özcan	Sema Cil
Burak Simsek	Wahdan Achmad Syaehuddin	Zuzanna Dąbrowska	Belle Holthuis

Field Work by groups

	Tuesday 4.3.	Tuesday 4.3.	Thursday 6.3.	Thursday 6.3.
	9:00 - 12:00	13:00 - 16:00	9:00 - 12:00	13:00 - 16:00
Snow Pit analysis (Roman+Leena)	Group 1 + 2	Group 3 + 4		
Energy and landscape (Daniele)	Group 3 + 4	Group 1 + 2		
Air pollution + snow impurities (Pavla + Outi)			Group 3 + 4	Group 1 + 2
UAV mapping (Jan + Ingibjörk + Mariane)			Group 1 + 2	Group 3 + 4

Schedule of lectures:

Sunday, 2nd March 2025

- **17:00 - 19:00** | Welcome word, campus guided tour and ice breaking (Orkuverid room) | *Roman, Lukáš, Ali*

Monday, 3rd March 2025

- **09:30 - 10:30** | Safety rules and organisation | *Roman, Lukáš, Ali*
- **10:30 - 11:30** | Hydropower and the Role of Snowmelt | *David*
- **17:00 - 17:30** | Snow fundamentals, microstructure and development | *Roman*
- **17:35 - 18:05** | Snow microstructure - advanced | *Leena*

Tuesday, 4th March 2025

- **17:00 - 17:30** | Aerosols and climate: BC and dust on Arctic snow | *Outi*
- **17:35 - 18:05** | Dust and black carbon as short-lived climate forcers (SLCF) | *Pavla*
- **18:10 - 18:20** | Soils and vegetation of Iceland | *Maria*

Wednesday, 5th March 2025

- **All Day** | Glacier Field Trip

Thursday, 6th March 2025

- **17:00 - 17:30** | Remote sensing introduction & Remote sensing of sea ice | *Ingibjörk*
- **17:35 - 18:05** | Drone mapping - geometry and radiometry | *Jan*
- **18:10 - 18:40** | European space monitoring capacities and its application in cryosphere | *Ali*

Friday, 7th March 2025

- **17:00 - 17:30** | Energy and landscape analysis | *Daniele*
- **17:35 - 18:05** | Presentation of results | *Students*
- **18:10 - 18:40** | Presentation of results | *Students*

Saturday, 8th March 2025

- **9:00 - 10:00** | Final talk and certificates | *Lukáš*

There will be one online session the week of March 10 after the main course. This programme will focus on the Copernicus programme in Iceland and air pollution. We will discuss which date will work best for you.