

NHIS Evolution of the Northern Hemisphere Ice Sheets: timing, drivers, and interconnections



Dates:

4th -7th February 2025

Venue:

Ulster University
Belfast Campus
Northern Ireland

Web: ulster.ac.uk

Organisers:

Sara Benetti &
Georgina Heldreich
(UU), Wolfram Geissler
(AWI), Colm Ó Cofaigh
(Durham University)

Workshop Aims:

- To explore synergies among different ocean drilling initiatives and ideas targeting the evolution of the Northern Hemisphere ice sheets and feedback mechanisms between cryosphere, oceans, and atmosphere.
- To consolidate existing and develop new ideas and proposals to be submitted to IODP³ to optimise any future drilling expeditions in the North Atlantic and Arctic oceans, and their gateways.
- To develop links to other IODP³ themes, such as geohazards, tectonics and deep life.
- To involve ice sheet and climate modellers, who can help focus the scientific objectives towards the ground truthing of future climate change.
- To foster international collaborations among researchers and support Early Career Researchers' involvement in ocean drilling.

To register: Please fill in the form [here](#)

Preliminary Programme:

Day 1 – Tuesday 4th February 2025

8.30-17.30 Optional field trip to the North Coast (Armoy moraine complex, Giant's Causeway, Portballintrae beach and till outcrop, Dunluce Castle)

19.00-21.00 Icebreaker & welcome event at location TBC in Belfast

Day 2 – Wednesday 5th February 2025

9.00-9.30 – Welcome of delegates and introduction to the goals of the workshop

Morning – Keynote contributions (IODP³ Introduction; Lessons from recent expeditions; ice sheets and climate modellers' perspectives; Tectonics and ice sheet evolution)

Afternoon – Regional updates / existing ideas and pre-proposals / Posters / Discussion on synergies

Regions

Barents Sea / Bering Strait

NE Greenland / N Greenland / N Svalbard

Canada / Laurentide Ice Sheet / Canadian Arctic

NW European margin / Iceland

Gateways

Denmark Strait / Fram Strait / Svalbard

Other

Permafrost

Day 3 – Thursday 6th February 2025

Morning – Breakout and plenary sessions: themes & technical (tools, proxies, pre-site survey data, ...)

Afternoon – General session / discussion; followed by group work to develop ideas and formalise collaborations

Evening – Workshop dinner for all participants

Day 4 – Friday 7th February 2025

Morning – Summary of progress and way forward

Further time for participants to work together on pre-proposal / proposal ideas

Lunch time – Synthesis; Lunch & departures

Arrangements:

Participation at the workshop is free. Breaks, Lunches and workshop dinner are all provided.

Funding:

Funding for accommodation, and contribution towards travel expenses will be prioritised for ECRs* and keynote speakers.

* PhD researchers and researchers within 5 years of PhD award with no permanent employment

Deadline for application for funding support:
30 November 2024

For queries, please email

northernhemisphereicesheets@gmail.com

Registration Link [here](#)

