

United Kingdom: Update for FARO Annual meeting 2024



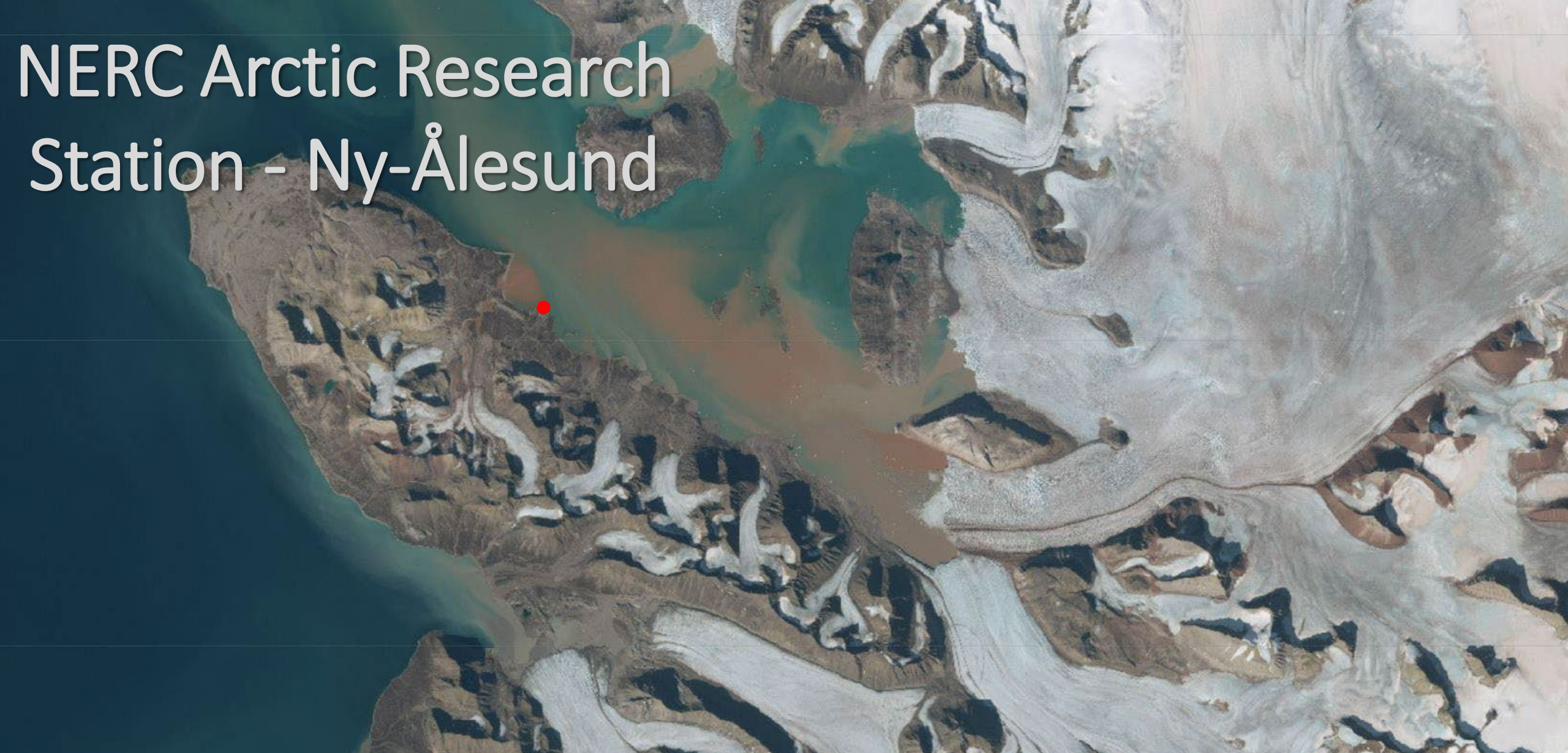
**British
Antarctic Survey**

NATURAL ENVIRONMENT RESEARCH COUNCIL



**Natural
Environment
Research Council**

NERC Arctic Research Station - Ny-Ålesund



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2024 SPRING PROJECTS

Project Title	RiS	PI	Summary
ARCTICAIR	12304	James Bradley	The atmospheric ecosystem over the High Arctic
MARS	12404	Liam Kelleher	Microplastics in the Arctic region measured on-site by Raman Spectroscopy
PLANS	12412	Cath Waller	Plastics in Arctic Nearshore Systems
CRYO365	12044	Arwyn Edwards	Temporal dynamics of glacier ecosystems



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2024 SUMMER PROJECTS

Project Title	RiS	PI	Summary
CRYO365 x 2	12044	Arwyn Edwards	Temporal dynamics of glacier ecosystems
AARDDVARK	5977	Mark Clilverd	Antarctic-Arctic Radiation-belt (Dynamic) Deposition - VLF Atmospheric Research Konsortia
REMUS x 2	6921	Kevin Newsham	Responses of microbes in upper soil horizons to environmental manipulations
TUNDRATIME x 2	12382	Claudia Colesie	Plant phenology change as a driver of Arctic greening trends
TBC	TBC	Dave Spurgeon	TBC
COOLER	12248	Ligia Coehlo	Color Catalog of Extremophile Communities in Ice
QCARBON	12248	James Bradley	Quantifying the role of Fungi in the marine carbon cycle
SICLING	12395	Kate Hendry	Silicon CycLing IN Glaciated Environments
SUNSPEARS	11462	Mihai Cimpoiasu	Sensors under snow – Seasonal processes in the evolution of Arctic soils
CLIMARCTIC	11987	Bjorn Tytgat	Climate change impacts on Arctic soil and lake microbiomes



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Media and VIP visits

- UK Ambassador to Norway - June
- BBC Blue Planet 3 – July
- ITV – September

Nothing is yet confirmed but discussions are under way



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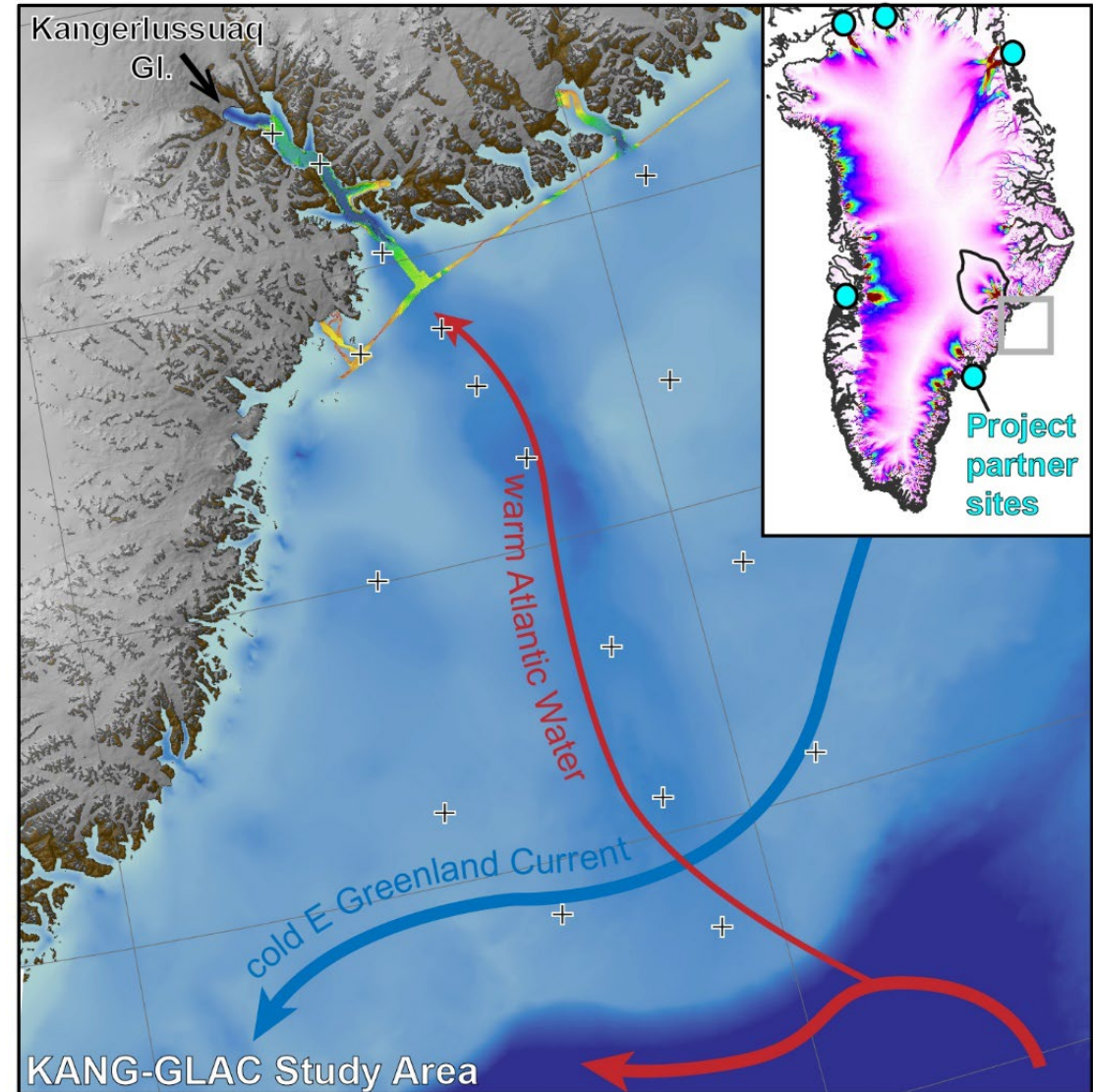


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KANG-GLAC (2024-2026)

- **Funding:** NERC Highlight topic (Marine terminating Glaciers in the Earth System)
- **Location:** Kangerlussuaq fjord and shelf, SE Greenland
- **Key deliverable:** To determine the role of the ocean in driving decadal to centennial marine-terminating glacier dynamics in Greenland through the Holocene
- **Ship:** Large multidisciplinary cruise on SDA 2024



Partners: BAS, Durham, Leeds, SAMS plus 6 international research institutions (USA, Sweden, Denmark, Italy, Canada, Belgium)

KANG-GLAC Science

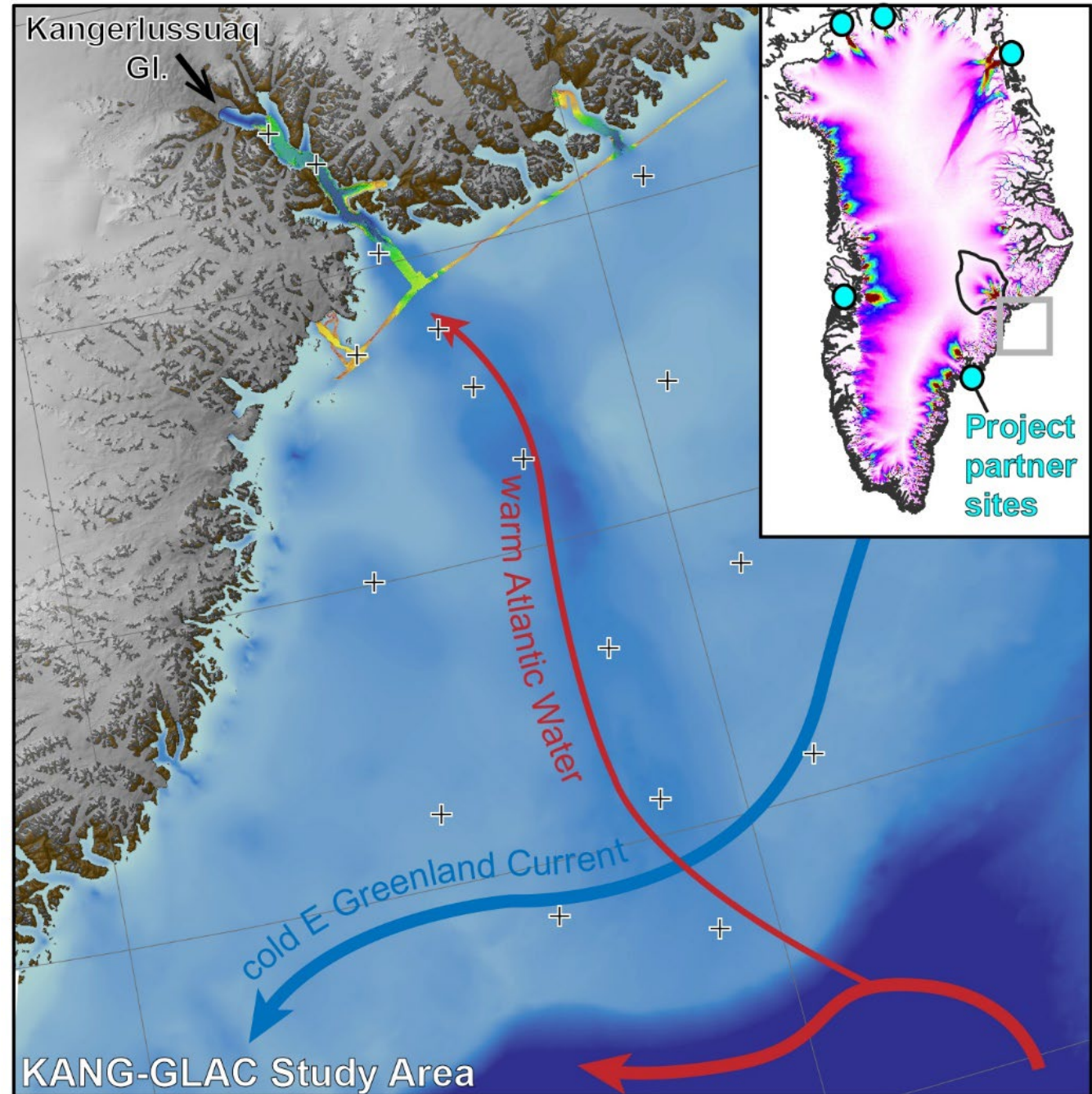
4 work packages:

WP1 Oceanography: CTDs, mooring/buoys [ships, AUV]

WP2 Geoscience – (Palaeoglaciology and palaeo-oceanography): sediment coring, geophysics, terrestrial geology [SDA, helos]

WP3 Marine Biogeochemistry: sediment traps, nets, mooring, coring [ships]

WP4 Numerical Modelling:
Leeds/BAS/Memorial Univ. computers



KANG-GLAC SDA cruise schematic (multidisciplinary)

