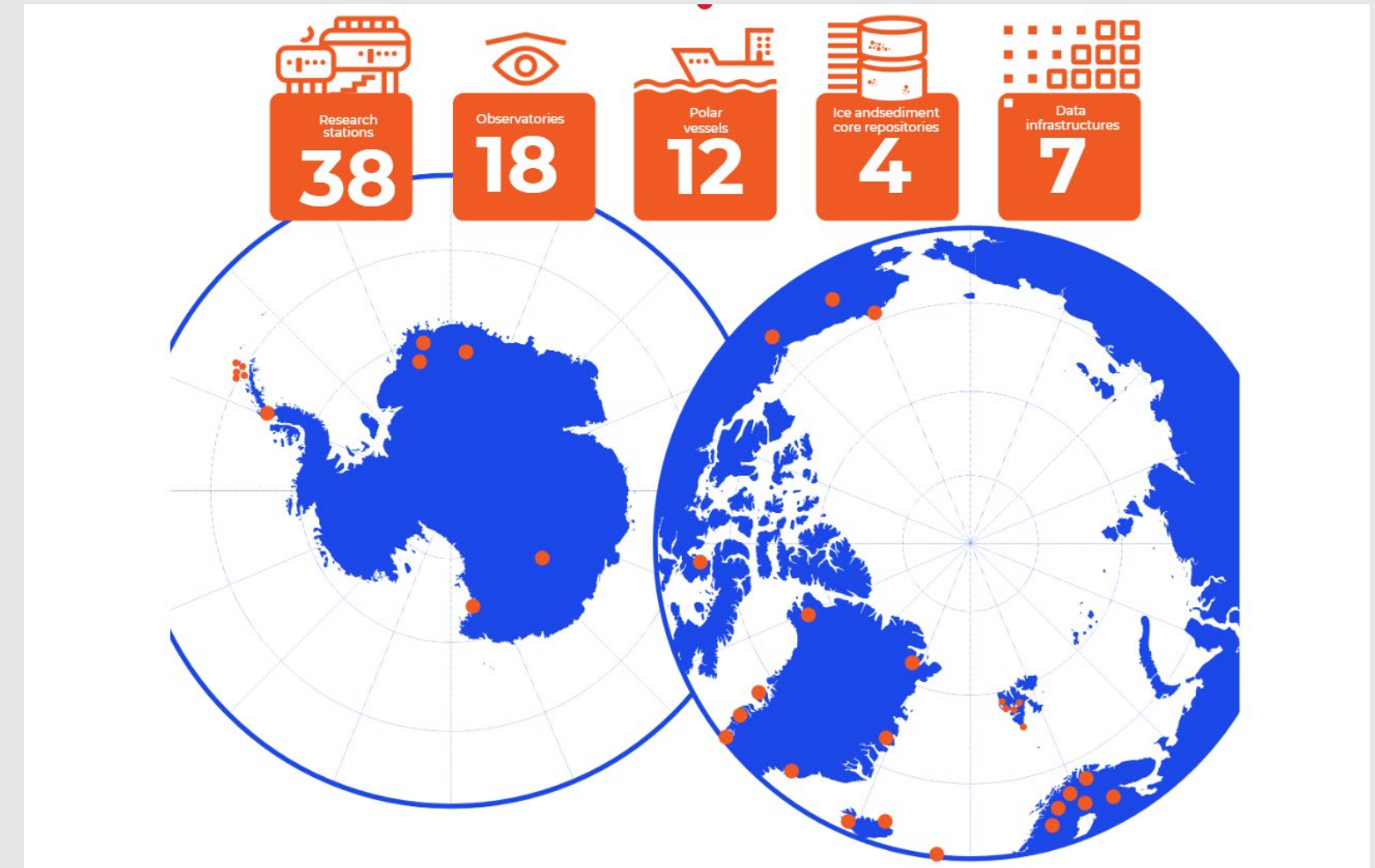




POLARIN

POLAR
RESEARCH
INFRASTRUCTURE
NETWORK

POLAR RESEARCH INFRASTRUCTURE NETWORK



Verónica Willmott
POLARIN Project Manager
Alfred Wegener Institute
Germany

www.eu-polarin.eu



FUNDED BY THE
EUROPEAN UNION

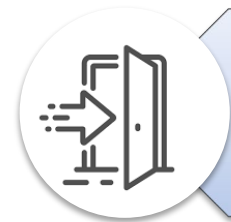
Funding



Funded by
the European Union



15M€ - Horizon Europe



RI Services



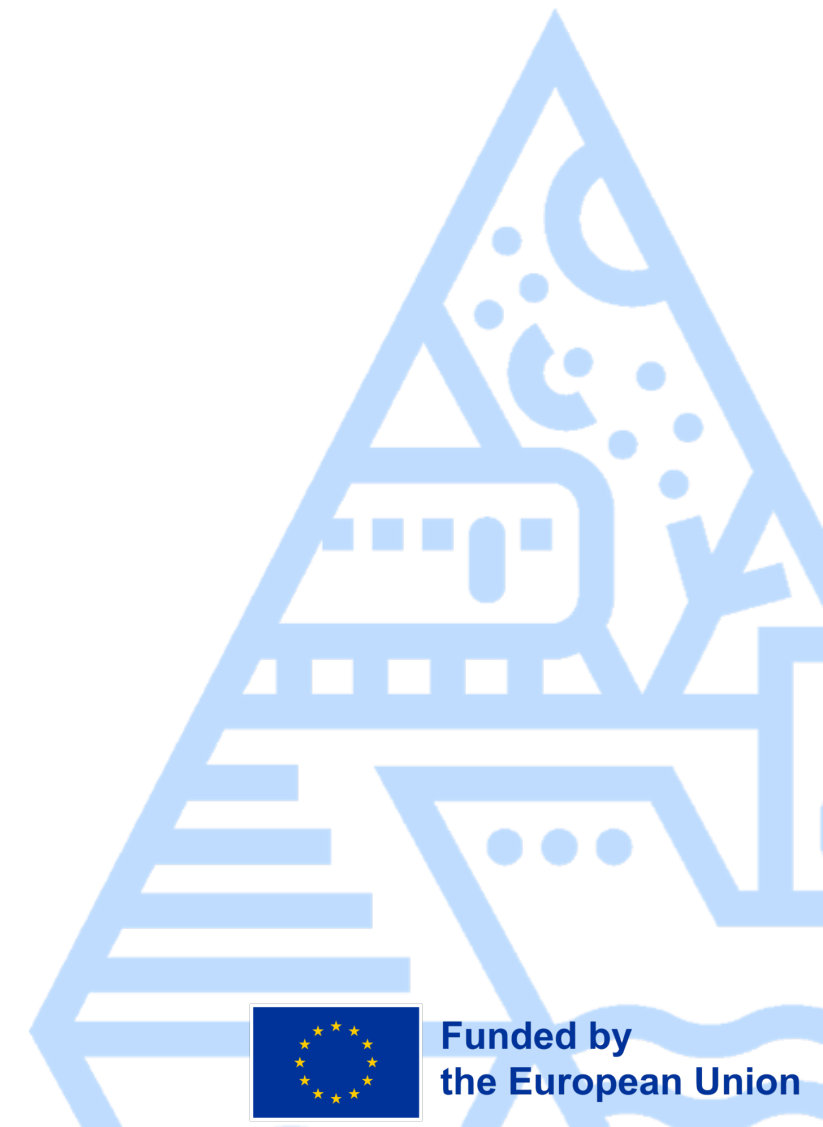
Coordinator: 



54 partners



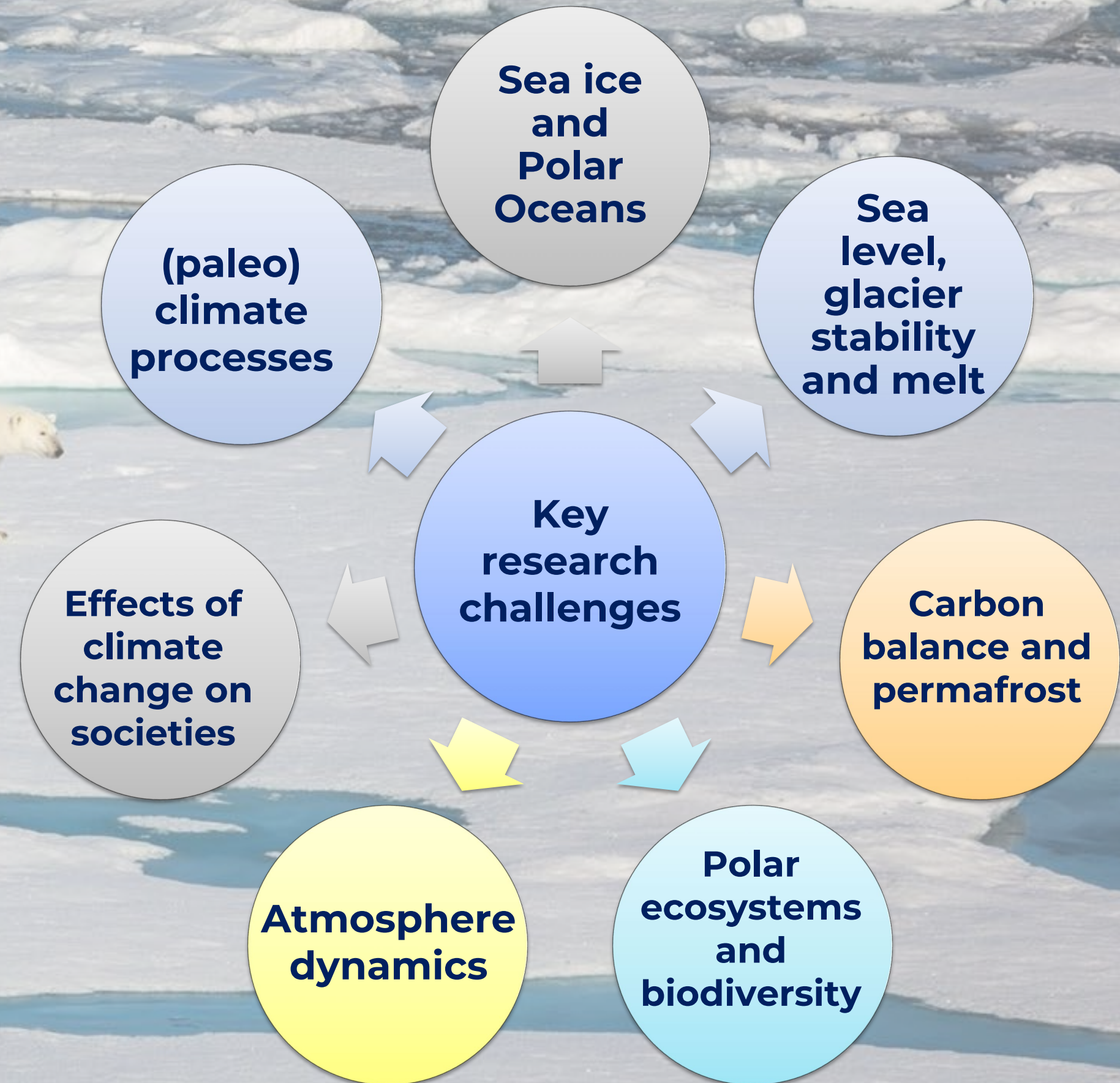
64 RIs



Funded by
the European Union

Overall Aim

To provide **efficient and customised RI services** to address the scientific challenges of the polar regions, including **access to a wide portfolio of complementary and interdisciplinary top level RIs.**



POLARIN Project - Objectives

POLARIN will



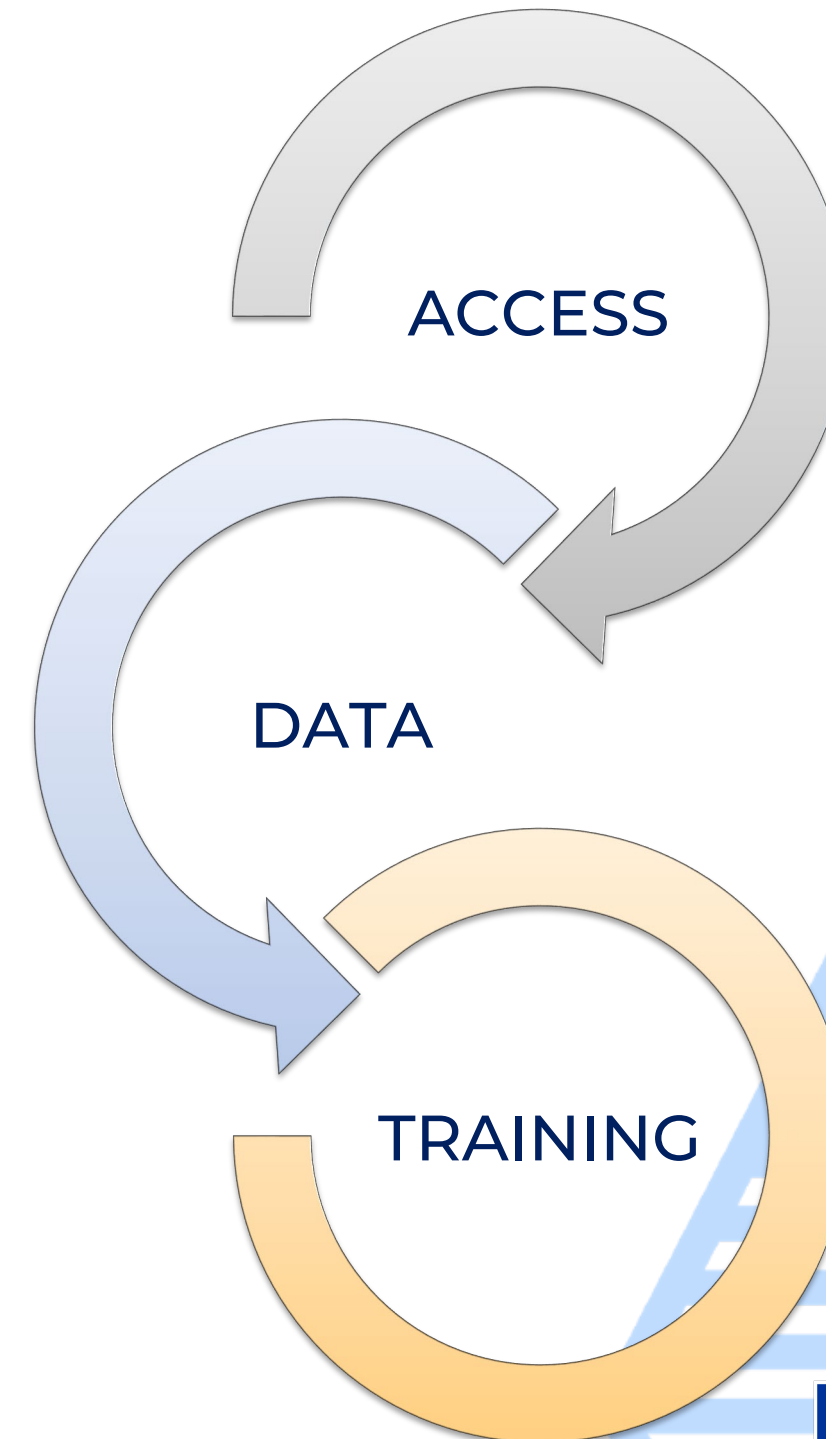
Integrate and combine the access to
Arctic and Antarctic RI



Improve online services, data access
and interoperability



Ensure that the new generations are
trained to exploit the leading edge RIs



Access

Access integration to **64** research infrastructures in **both poles**

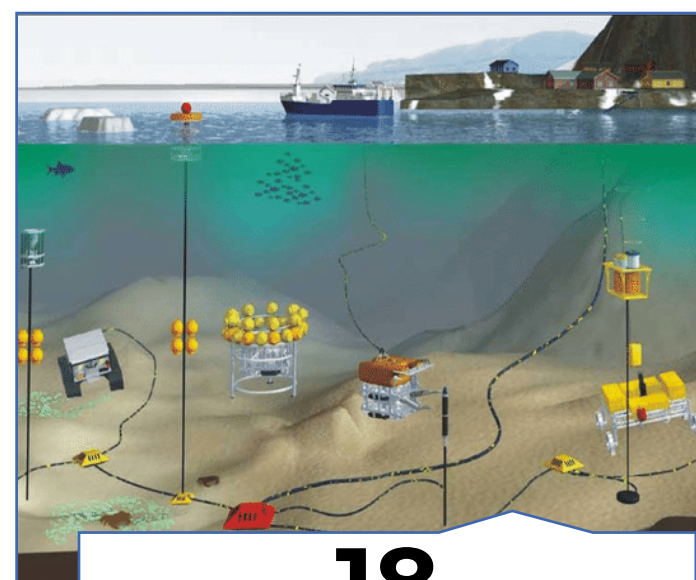
TRANSNATIONAL ACCES



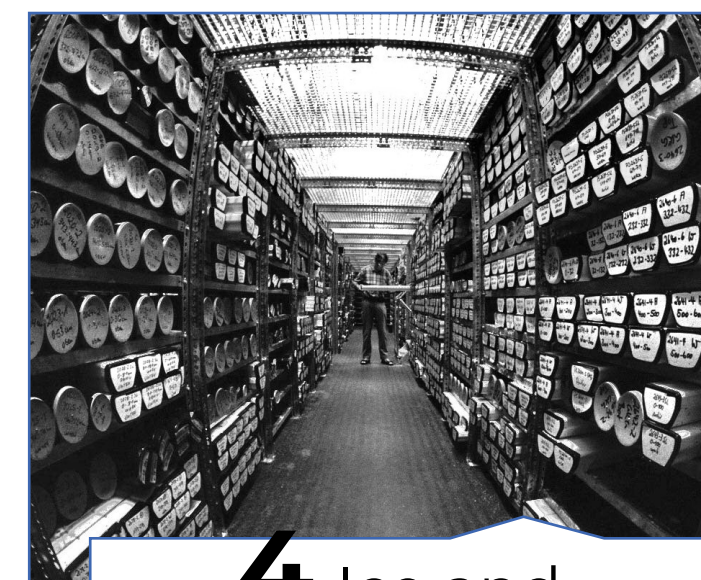
38
Research
stations



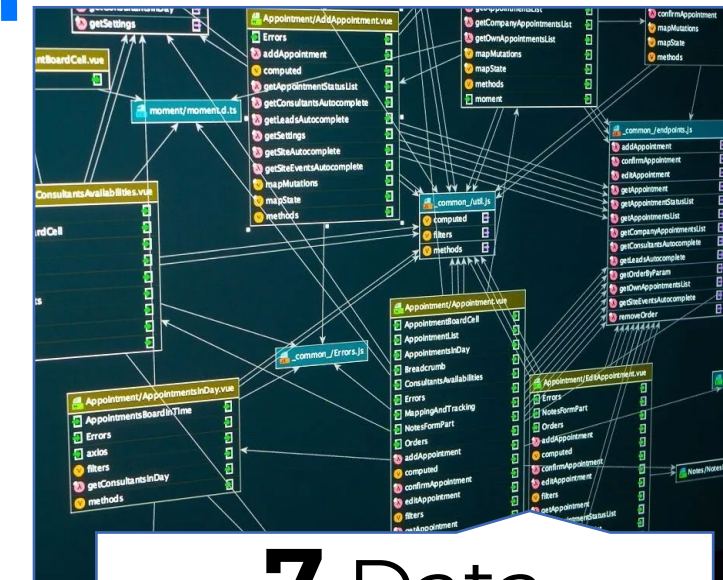
12
Polar vessels



18
Observatories



4 Ice and
sediment core
repositories



7 Data
infrastructures

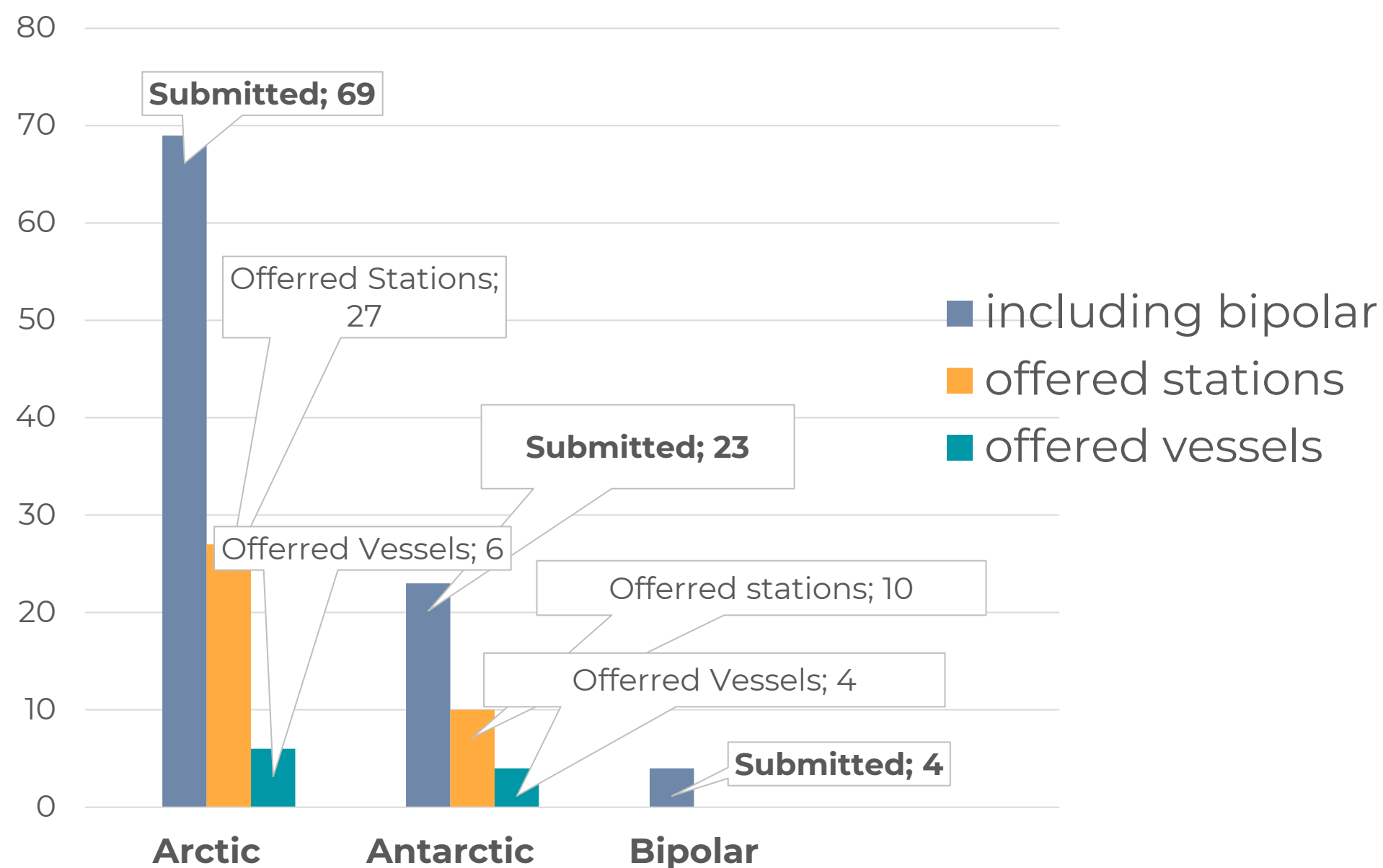
FULLY FUNDED ACCESS TO RESEARCH INFRASTRUCTURES **FOR RESEARCH PROJECTS**
ADDRESSING THE **KEY RESEARCH QUESTIONS** IN THE POLAR REGIONS

Annual POLARIN TNA CALLS



POLARIN TAP on-line system <https://polarin-tap.eu.inkode.org/> used for proposal submission, evaluation and access management.

Overview of projects submitted to POLARIN TA Call 2024



1st TA Call (Oct-Nov 2024):

Access offered to 49 RIs
96 proposals, 86 eligible
4283 units applied
Access granted to 37 projects (43%)
36 proceeding to implementation

2nd TA Call (Sept-Oct 2025):

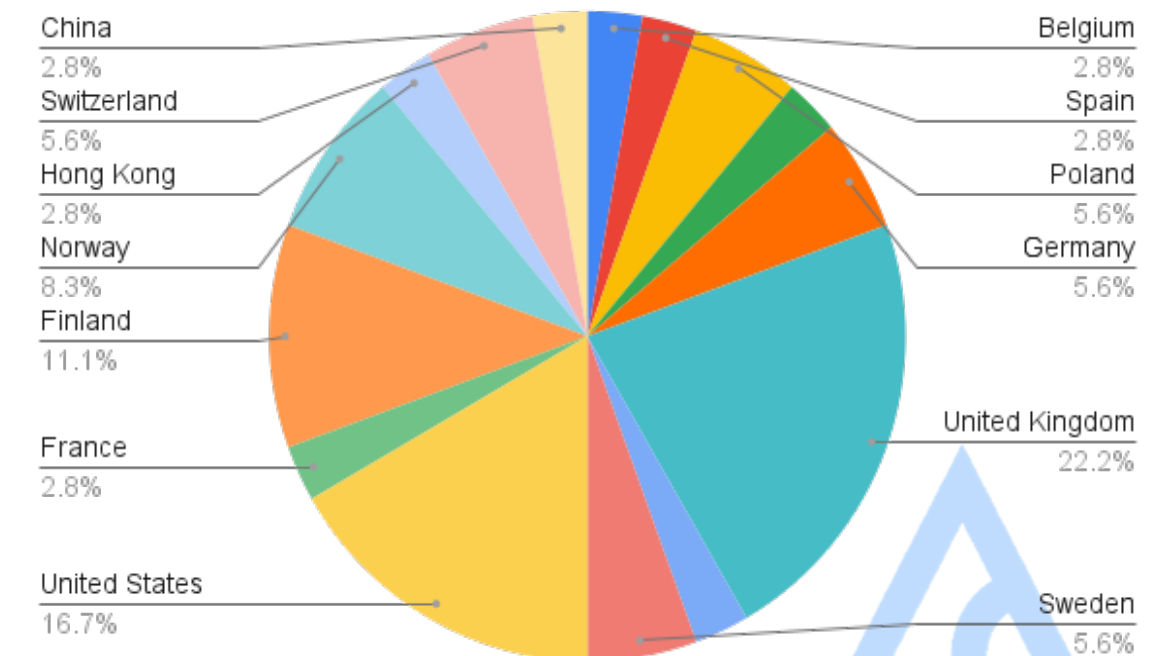
Access offered to 42 RIs
104 proposals, 93 eligible
4489 units applied
Evaluation phase ongoing
Access decisions in March 2026

TA GRANTED SO FAR

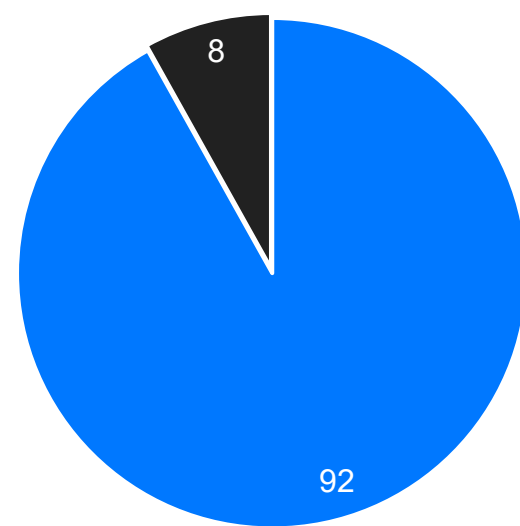
- 36 projects selected for implementation
- 18 projects implemented in 2025 (mainly to Arctic)
- 18 projects implemented in winter 2025/2026 and summer 2026 (mainly to Antarctica and vessels)



UGL Institution Countries (15)



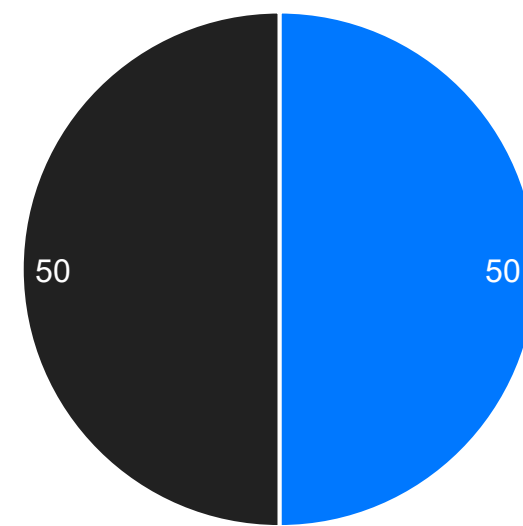
Access modality



■ In-person ■ RA

92 % In-person
8 % Remote

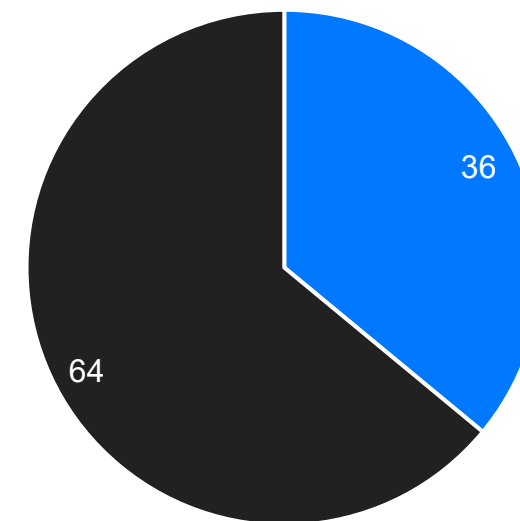
Gender balance



■ Males ■ Females

50 % Males
50 % Females

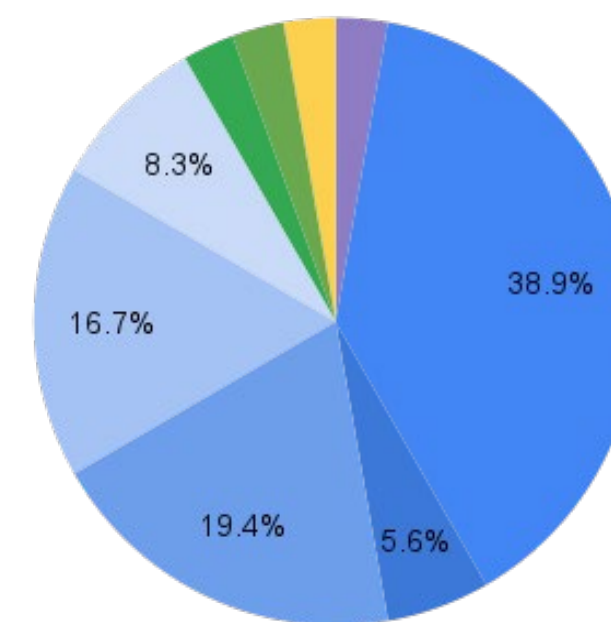
Researcher status



■ ERC ■ Experienced researcher

36 % ECR
64 % Experienced

UGL Field of Research (9)



- Chemistry
- Earth Sciences & Environment: Ecosystems & Biodiversity
- Earth Sciences & Environment: Global change & Climate observation
- Earth Sciences & Environment: Marine science/Oceanography
- Earth Sciences & Environment: Other - Earth Sciences
- Earth Sciences & Environment: Other - Environment
- Life Sciences & Biotech: Medicine
- Life Sciences & Biotech: Other - Life Sciences & Biotech
- Social Sciences: Other - Social Sciences

3rd POLARIN TA Call will open in September 2026!

Learn more about POLARIN:

<https://eu-polarin.eu/>

Find info about POLARIN RIs:

<https://eu-polarin.eu/infrastructure/>

<https://www.polarin-gis.org/>

Register to POLARIN TAP:

<https://polarin-tap.eu.inkode.org/>

Join the POLARIN Expert Pool now!

(check registration link in POLARIN news)



Sermilik lake view. Photo by: PROMETHEUS project.

POLARIN DATA HUB - Beta



Data Hub - Data access and services

POLARIN will facilitate the discovery, exploration and integration of existing polar data, establishing a data hub and developing tools and services for intermediate and end-users (both experts and non-experts).

Access the Hub

<https://s4polarin.eu/#/>

POLARIN Data HUB is a framework that organizes the legacy of resources facilitating the access, use, reuse and dissemination of data



POLARIN DATA HUB - Beta



The home dashboard of the POLARIN Data Hub. It features a navigation bar at the top with "Data viewer", "Data catalog", "Others", and "Settings". Below this, there are several sections: "Key Performance Indicators (KPIs)" with four cards showing counts for Research Infrastructures (RIs), Datasets with data, Parameters, and Atmosphere related parameters; "Datasets by Climate System Sphere" with a grid of cards for Oceans, Lake and rivers, Sea ice, Ice shelf, Ice sheet, Permafrost, Glaciers, Snow, and Atmosphere; and a "Networks" section with links to the Registry of Polar Observing Network (RoPON) and Core Repositories. A globe icon is also present. At the bottom, there is a footer with funding information from the EU HE program and the European Union.

The Data Catalog interface. It shows a search bar and filters for "Date", "All", "Data layers", "Variables", "RIs", and "Geolocation". The main content area displays a list of datasets found, including "CTD data set from mooring S1 @ 1000 m (SW off Svalbard)", "Commandant Charcot solar and terrestrial radiation data", "DomeC SP02", "Ensembled terrestrial FSCA in the Bayelva area (SnowCoD)", and "Equivalent black carbon from aerosol absorption coefficient (Ny-Alesund, Svalbard)". Each dataset entry includes a brief description, distributor, owner, time cover, date creation, and date update. A "Your selection" panel on the right shows "No layers selected".

The Data Viewer interface. It shows a map of the Arctic region with a data point selected at "LAT 76.445 LON 13.941". A pop-up window displays the dataset name "CTD data set from mooring S1 @ 1000 m (SW off Svalbard)" and an "Open in browser" button. Below this, there is a table with columns for "RI", "RI link", "Institution", "Latitude", "Longitude", "First data", and "Last data". The table shows "Unknown", "Unknown", "undefined", "76.4381", "13.9484". There is also a "PARAMETERS" section with buttons for "DEPTH", "TEMPERATURE", and "SEA.WATER.FRACT[...]".

- 1) an overview of the available resources (and links to services)
- 2) shopping basket to fine tune selection
- 3) viewer to pre-view/download
- 4) more soon...

Virtual access to data opening soon!



POLARIN Data Hub: Virtual Access to 21 RIs



Virtual Access Infrastructures

Infrastructures Offered for Virtual Access:

- + Observational Networks **2**
- + Data Infrastructures **7**
- + Research Stations & Observatories **12**

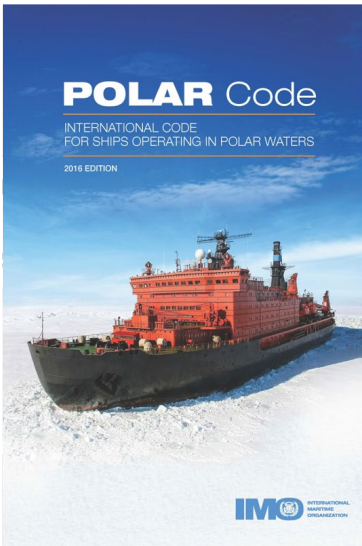
TRAINING for Research Infrastructure Users



Training for early career scientists and professionals



Training on data stewardship



Safety training

Training resources and activities



Online training material, knowledge hub and brochures on polar research

- **Planning** for polar fieldwork
- **Safety** in polar fieldwork
- **Data** Stewardship
- **Ethics** in polar research
- **Impact** of polar research

Available online in 2026.

Planning for polar fieldwork
An introduction to the safe, efficient and sustainable use of polar research infrastructure in the Arctic and Antarctic.

To secure safe and sustainable fieldwork POLARIN provides general guidance on: Polar fieldwork planning – Polar fieldwork safety – Reducing impacts of polar fieldwork – Engaging Indigenous Peoples and local communities – Data Management. This brochure focusses on planning polar fieldwork.

While it does not replace adequate training and the consultation of the research infrastructure with specific questions, it aims to provide a broad overview and guides you to in-depth resources that you should utilize when preparing for a stay at a research infrastructure.

The essentials

- ✓ Know the research infrastructure
- ✓ Develop a plan A, B and C for your research
- ✓ Prepare a data management plan
- ✓ Discuss how to work together
- ✓ Acquire required skills and equipment
- ✓ Assess and mitigate risks
- ✓ Assess and mitigate impacts
- ✓ Learn about regulations and obtain permits
- ✓ Prepare freight
- ✓ Follow instructions provided by the RI

Make a plan
Fieldwork can be an important part of the research process. In the beautiful, wild but also unforgiving polar areas, it is essential to be well prepared to achieve a safe and efficient data collection addressing specific scientific aims.

Polar infrastructures have long experience with operating in the harsh and sometimes challenging environments. It is important to follow guidelines and operational procedures provided by the infrastructure to secure a safe and efficient productive stay, and you should never hesitate to ask for advice.

This brochure will help you remember the key considerations you should address when planning fieldwork in a polar environment.

Know the infrastructure and its environment
Infrastructures have often provide site manuals or guidelines for visitors and usually often share a wealth of information on their websites. Read this material carefully and use the information to carefully thoroughly plan your activities and assess risks.

- Allocate enough time for unforeseen events and remain flexible. Have a plan A, B and C (and more if possible), D, etc., as climate and environmental conditions can be extreme and change quickly, impacting opportunities the timing, location and procedures to do conduct research in accordance with your plan A.
- Having multiple plans is especially relevant when working on ships/vessels where weather and ice conditions may alter ship routes and stations.

Mental and physical preparedness, good planning, effective communication and proper equipment to prevent incidents from happening is a much better strategy than having to deal with the consequences of an accident.

Funded by the European Union



Training resources and activities



Webinar 2025:

The Recording is
available online at
vimeo.com/apecs/polarin-2025

Webinar 2026:

Save the date!
9 April 2026 and 16 April 2026.


OPPORTUNITIES for ECRs



Access to World-Class Research Infrastructures (TA)

 On-site or remote access to:


- Arctic & Antarctic research stations
- Research vessels & icebreakers
- Observatories
- Ice/sediment core archives

 Hands-on field experience in polar environments.


Virtual Access to Data & Data Products (VA)

 Free online access to:


- Polar data infrastructures
- Observational networks
- Station-based data streams
- Customised data products
- EO calibration/validation information

 Ideal for students, lab-based work.

Training & Capacity Building

 Training opportunities include:


- Research infrastructure use (equipment, methods, planning)
- Data stewardship & FAIR data practices
- Safety training under polar conditions (Polar Code)
- Online seminar series across disciplines

 Build skills needed to succeed as a polar scientist.

Experience in Peer Review & Evaluation (Expert Pool)

 Early-career researchers can:

- Join the POLARIN Expert Pool
- Review transnational access proposals
- Gain experience in evaluation & research assessment
- Understand how competitive polar science is selected

 Professional development rarely offered to ECRs.



Funded by
the European Union

Contact Us

Project Coordinator

Nicole Biebow:

Nicole.Biebow@awi.de

Project Manager

Verónica Willmott:

Veronica.Willmott@awi.de



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