





POLARIN

POLAR
RESEARCH
INFRASTRUCTURE
NETWORK

RESEARCH
INFRASTRUCTURES
FOR TRANSNATIONAL
ACCESS

Verónica Willmott Puig

www.eu-polarin.eu



FUNDED BY THE
EUROPEAN UNION

POLARIN RESEARCH INFRASTRUCTURE



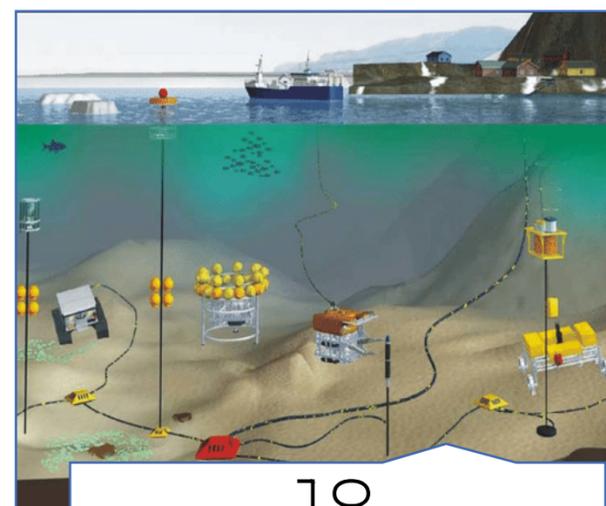
Access integration to **64** research infrastructures in both poles



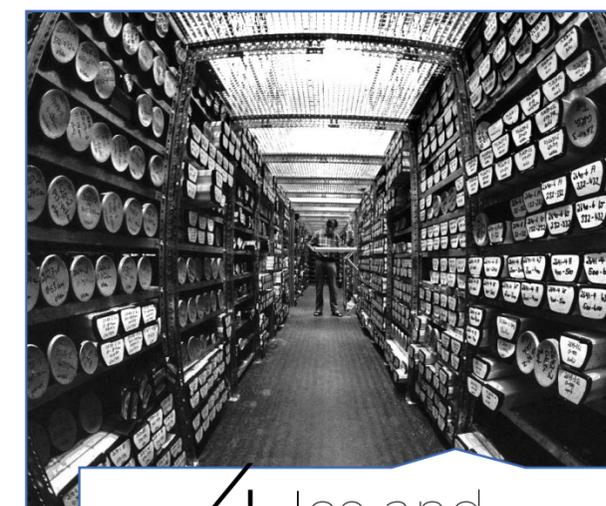
38 Research stations



12 Polar vessels



18 Observatories



4 Ice and sediment core repositories



7 Data infrastructures

Transnational Access

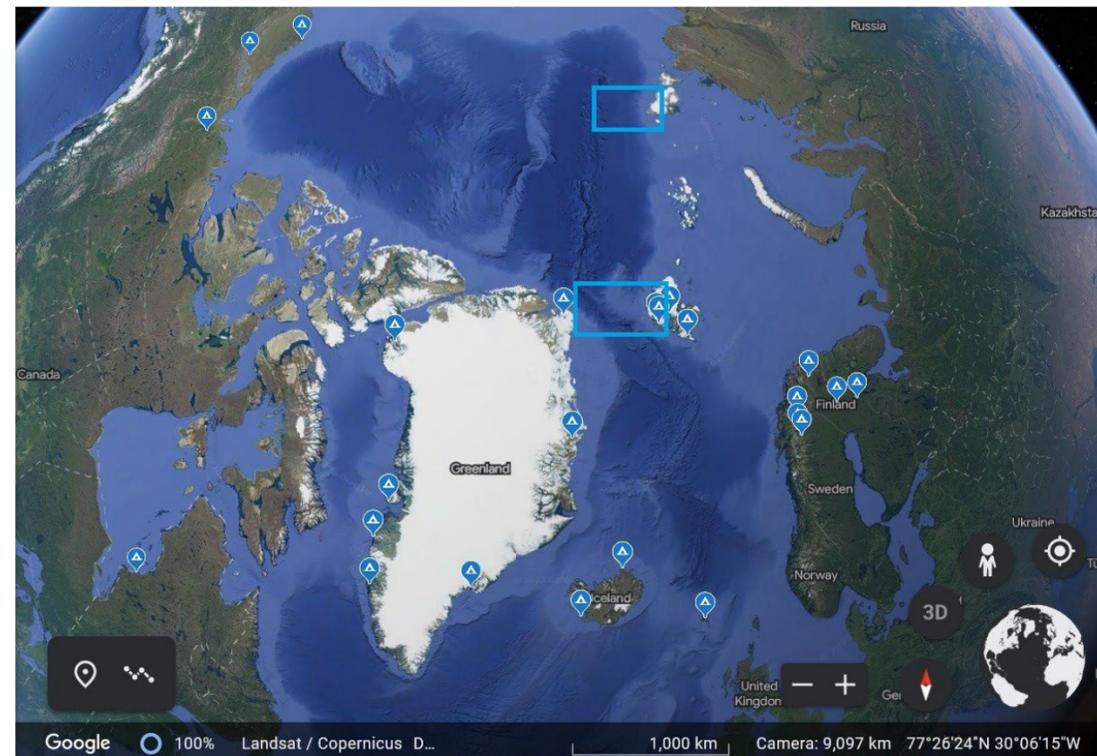


- Proposal based, Challenge driven
- Access to RIs from other countries
- International cooperation
- Externally evaluated
- If granted, access to RI and travel expenses are covered by the project

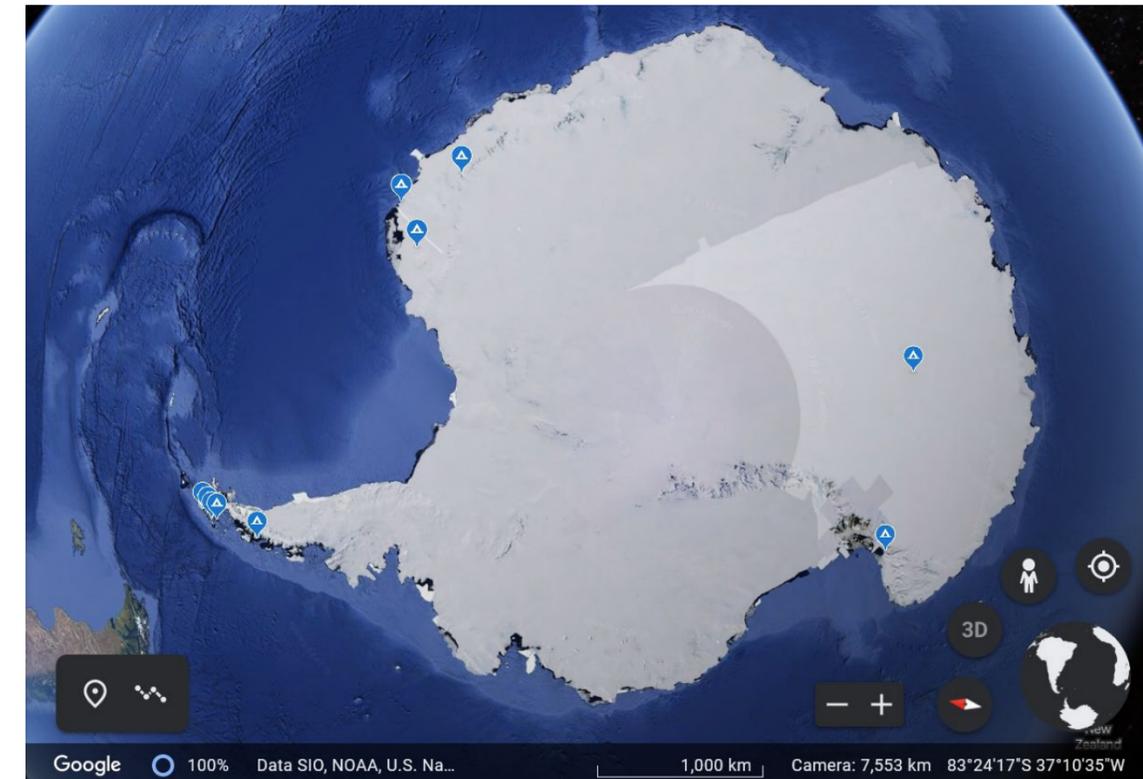
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38
Research stations

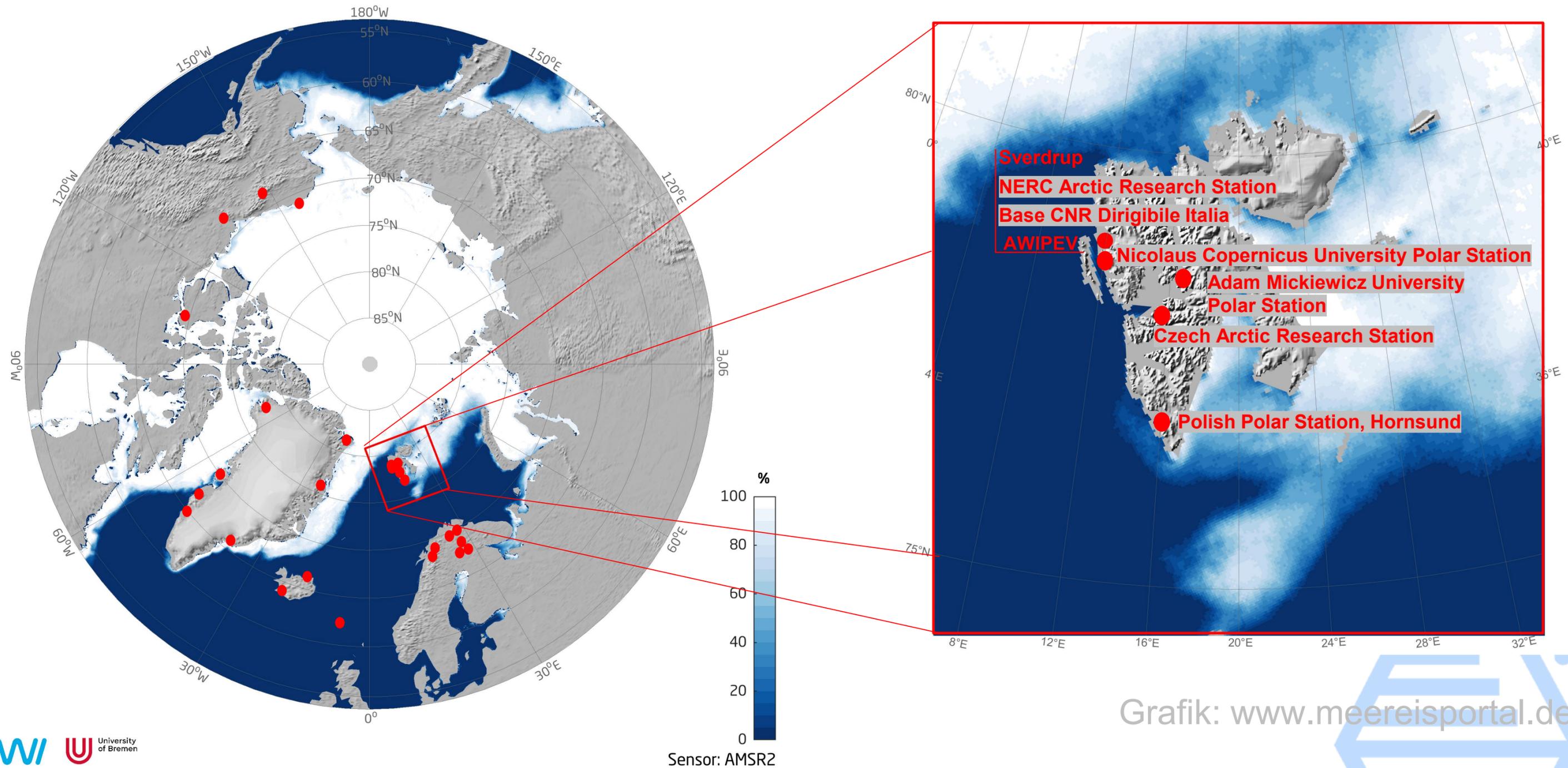


27 Arctic stations



11 Antarctic stations

POLARIN Stations in the Arctic



Grafik: www.meereisportal.de

Arctic Stations



Abisko Scientific Research Station, SE



Adam Mickiewicz University Polar Station, PL



Arctic DTU Research Station, DK



Arctic Station, DK



AWIPEV Base, DE + FR



Barrow Arctic Research Center, US



Whapmagoostui-Kuujuarapik Research Complex, CA



Arctic Station Dirigibile Italia, IT



Greenland Institute of Natural Resources, GO



Arctic Stations



**Polish Polar Station
Hornsund, PL**



**Kevo Subarctic
Research Institute, FI**



**Oulanka research
station, FI**



**Kilpisjärvi Biological
Station, FI**



**Pallas-Sodankylä
Atmosphere-
Ecosystem Supersite,
FI**



**Koltur Research
Station, FO**



**The DMI Geophysical
Observatory Qaanaq,
DK**



**Nicolaus Copernicus
University Polar
Station, PL**



Rif Field Station, IS



Arctic Stations



Sermilik Station, DK



Sudurnes Science and Learning Center, IS



Ny-Ålesund Research Station – Sverdrup, NO



Toolik Field Station, US



Tarfala Research Station, SE



UK Arctic Research Station, UK



Villum Research Station, DK



Western Arctic Research Centre, CA



Zackenberg Research Station, DK



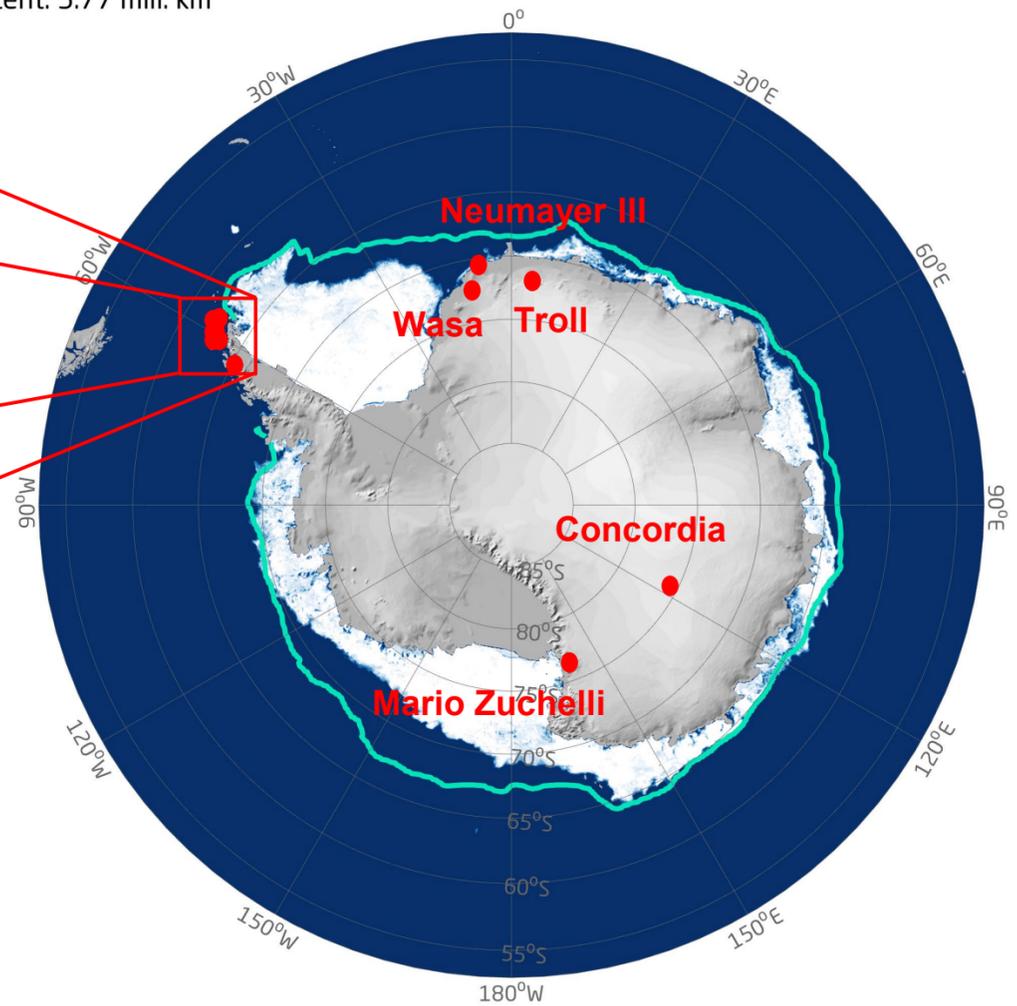
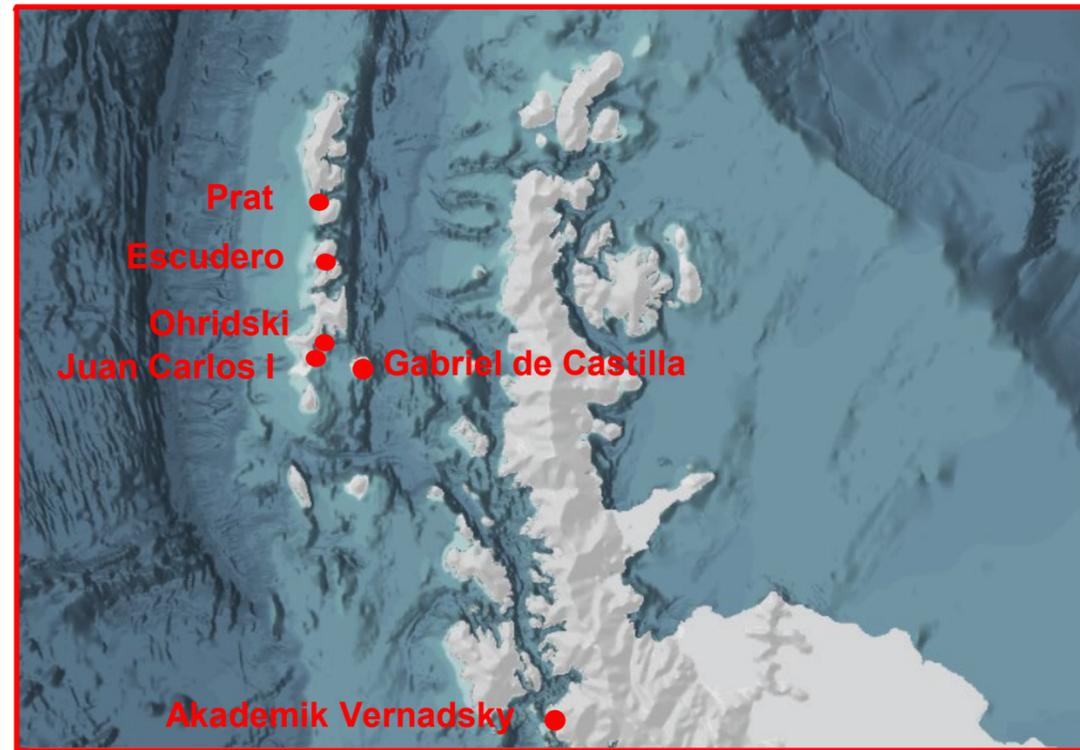
POLARIN Stations in Antarctica

Daily sea-ice concentration

Antarctic, 10 Apr 2024

Extent: 5.77 mill. km²

SEAICE
Portal



Sea-ice concentration (%)



— Mean sea-ice extent in April 1931-2010 (NSIDC)



Antarctic Peninsula Stations



**Akademik Vernadsky Station,
UA**



**Bulgarian Antarctic Base St.
Kliment Ohridski, BG**



**Professor Julio Escudero
Station, CL**



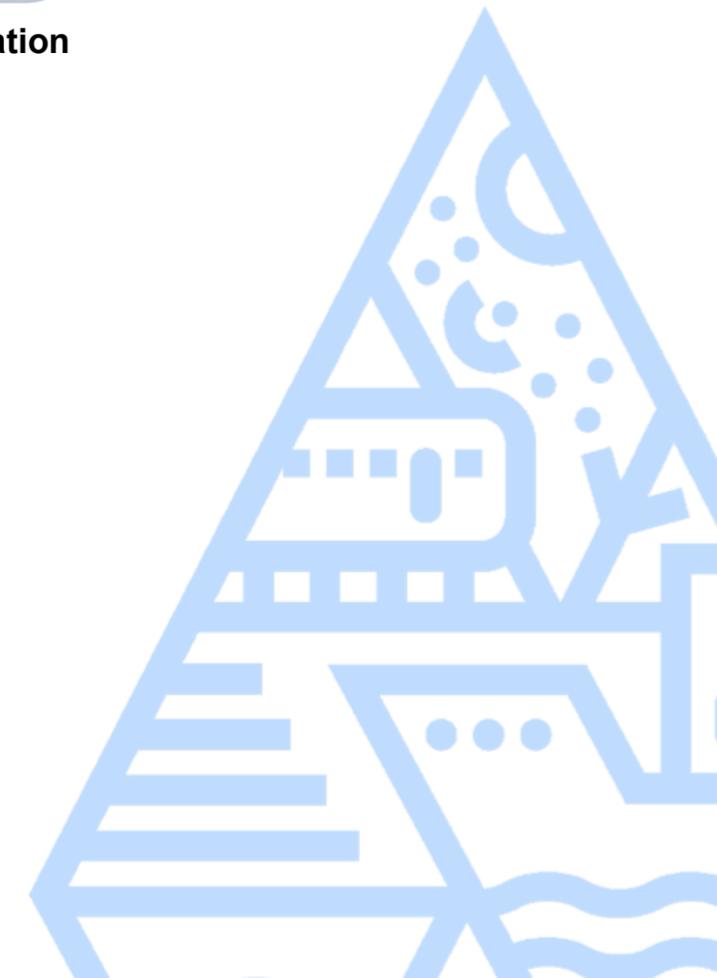
**Captain Arturo Prat Navy Station
Laboratories, CL**



**Spanish Antarctic Station
"Gabriel de Castilla", ES**



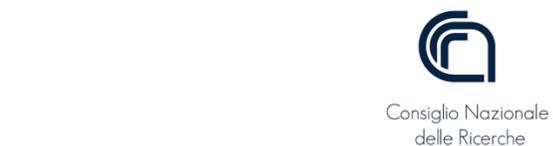
**Juan Carlos I Antarctic Station,
ES**



Antarctic Stations



Concordia Station, FR + IT



Mario Zucchelli Station, IT



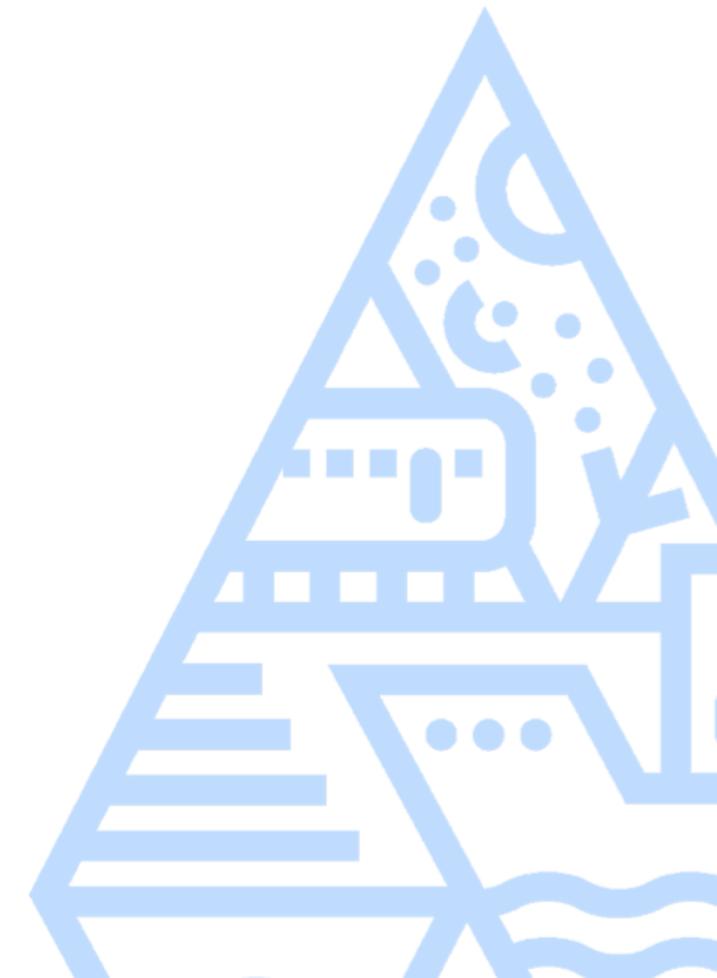
Neumayer Station III, DE



Troll Research Station, NO



Wasa Station, SE



POLARIN Polar Research Vessels

CCGS Amundsen, CA



Arni Fridriksson, IS



RV Celtic Explorer, IR



MV Le Commandant Charcot, FR



RV Dana, DK



RV Kronprins Haakon, NO



BIO Hespérides, ES



RS Karpuj, CL



RVIB Laura Bassi, IT



Noosfera, UA



PRV Polarstern, DE



TARA polar station, FR



12
Polar vessels



Polar vessels operating in the Arctic Ocean



CCGS Amundsen, CA



Arni Fridriksson, IS



RV Celtic Explorer, IR



MV Le Commandant Charcot, FR



RV Dana, DK



RV Kronprins Haakon, NO



BIO Hespérides, ES



Noosfera, UA



PRV Polarstern, DE



TARA polar station, FR

Polar vessels operating in the Antarctic region



MV Le Commandant Charcot, FR



Ministerio de Relaciones Exteriores
Gobierno de Chile



RS Karpui, CL



RV Kronprins Haakon, NO



OGS
Istituto Nazionale di Oceanografia e di Geofisica Sperimentale



RVIB Laura Bassi, IT



BIO Hespérides, ES



STATE INSTITUTION NATIONAL ANTARCTIC SCIENTIFIC CENTER
Ministry of Education and Science of Ukraine



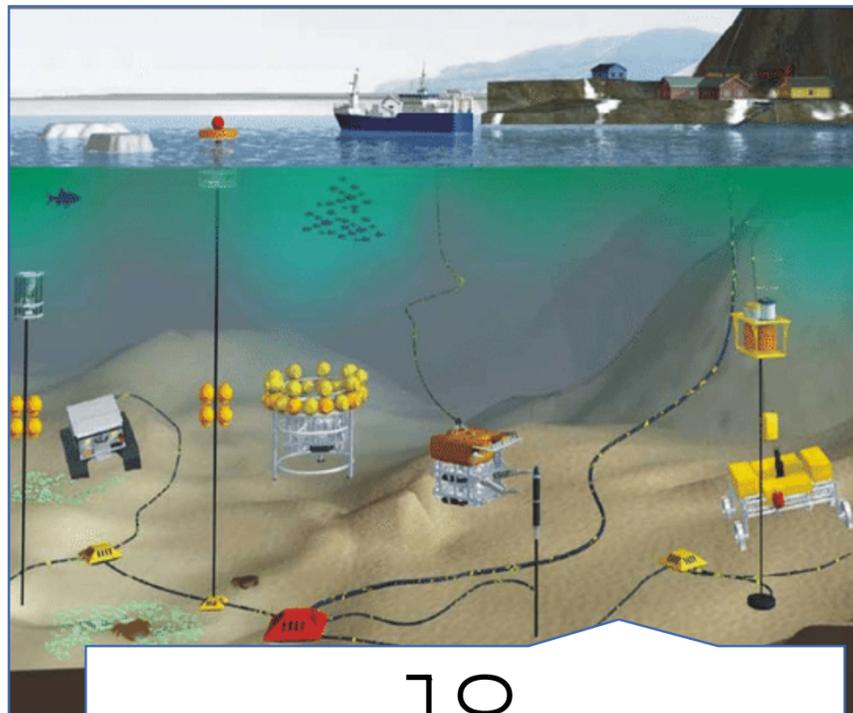
Noosfera, UA



PRV Polarstern, DE



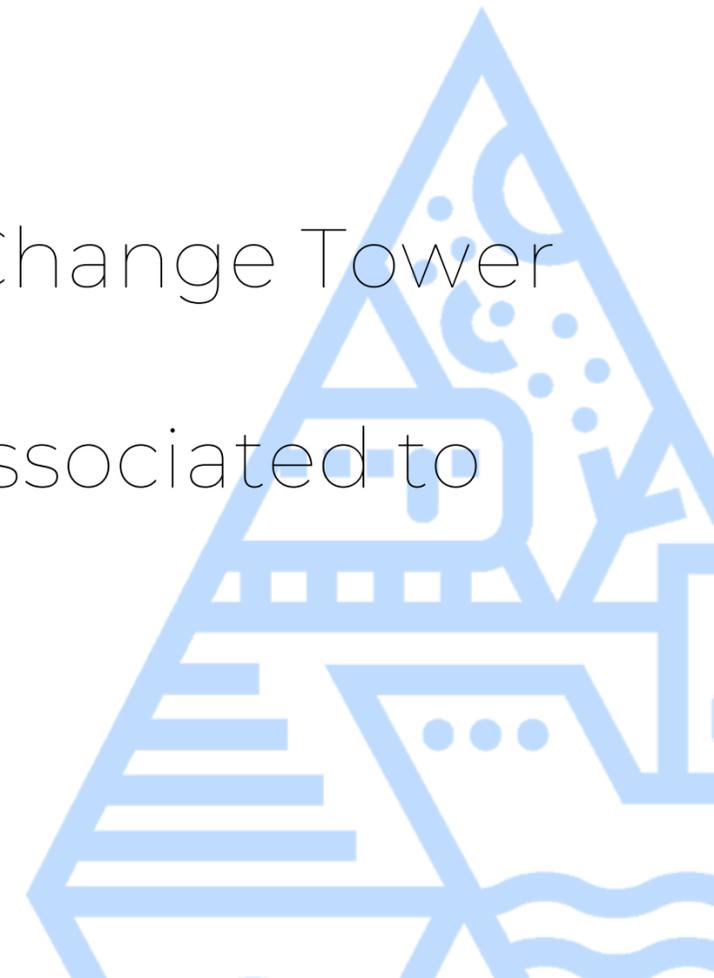
POLARIN TA INFRASTRUCTURE



18
Observatories

Installation of sensors at:

- Deep-sea observatory (FRAM)
- Arctic Station Dirigibile Italia
 - Amundsen-Nobile Climate Change Tower
 - Mooring Dirigibile Italia
- Access to 15 key observatories associated to research stations



POLARIN TA INFRASTRUCTURE

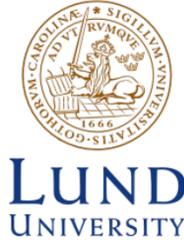


4 Ice and sediment core repositories

AWI: Ice core repository
AWI: Sediment core repository
BAS: Polar Sediment Core Facility
UiT: Core repository and geological laboratories



POLARIN Consortium



AARHUS UNIVERSITY



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE



UNIVERSITY OF COPENHAGEN



EUROPEAN POLAR BOARD



UiT Norges arktiske universitet



CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS



SIOS



Norsk institutt for luftforskning
Norwegian Institute for Air Research



STATE INSTITUTION NATIONAL ANTARCTIC SCIENTIFIC CENTER
Ministry of Education and Science of Ukraine



Instituto de Geografia e Ordenamento do Território
UNIVERSIDADE DE LISBOA



POLAR OPERATION



Ministerio de Relaciones Exteriores



Helmholtz Centre POTSDAM



INSTITUT POLAIRE FRANÇAIS
PAUL-ÉMILE VICTOR



PONANT



MARINE & FRESHWATER RESEARCH INSTITUTE



Greenland Institute of Natural Resources



GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA E INNOVACIÓN



POLARFORSKNINGS SEKRETARIATET
SWEDISH POLAR RESEARCH SECRETARIAT



PEKINGARSETUR SUÐURNESJA
Sudurnes Science and Learning Center



Danmarks Meteorologiske Institut



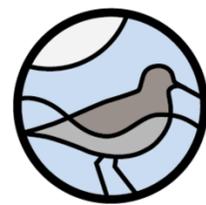
UNIVERSITÉ LAVAL



UNIVERSITY OF TURKU



TÍÓÐSAVNIÐ



RIF Field Station



Stockholm University



Instytut Geofizyki Polskiej Akademii Nauk



UNI W TORUNIU
UNIWERSYTET MIKOŁAJA KOPERNIKA W TORUNIU



UNIVERSITY of ALASKA
Many Traditions One Alaska



Foras na Mara
Marine Institute



UK Research and Innovation



UNIVERSITY OF HELSINKI



FINNISH METEOROLOGICAL INSTITUTE



UIC SCIENCE



Conservation of Arctic Flora and Fauna

Fondation taraocéan
explorer et partager



Exploring the Atmosphere

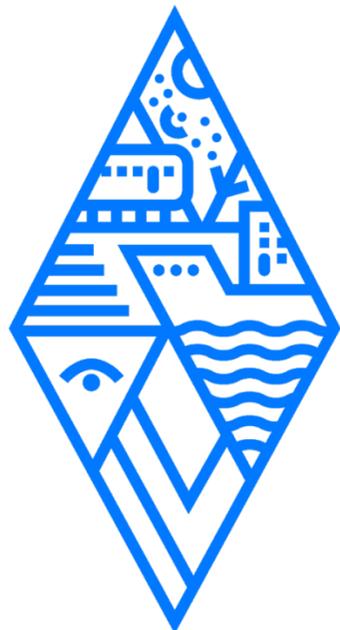
Contact Us

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