

EU-PolarNet

connecting science with society

Co-designed research proposals, involving stakeholders from the outset, will ensure that scientific outcomes are directly relevant and beneficial to society and our economies



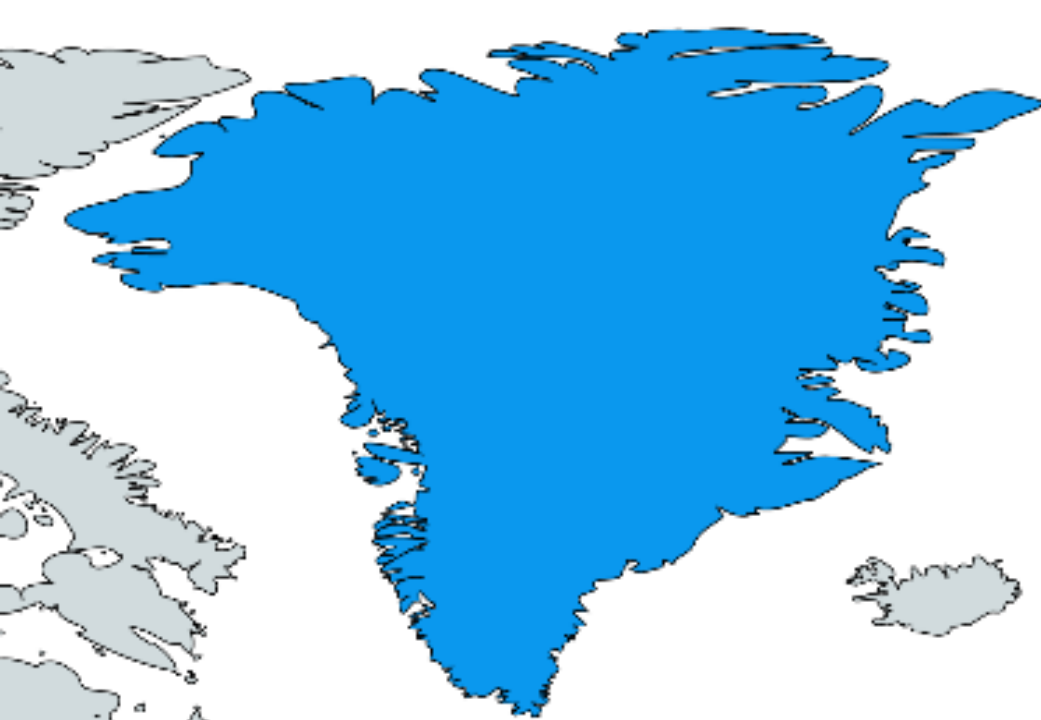
Our ambition

- Sustain an **on-going dialogue** with the European Commission on Polar topics
- Develop an integrated **European polar research programme** co-designed with all relevant stakeholders
- Design a resource-oriented European **infrastructure access and usage plan**
- Improve and strengthen **international cooperation** and implement the **Transatlantic Research Alliance**



Who we are





World's largest consortium of
expertise and infrastructure
for polar research

17 European countries

22 consortium members

24 cooperation partners



Affiliated Partner

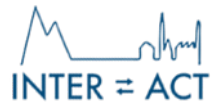


EUROPEAN POLAR BOARD

The European Polar Board...

- will take over the **legacy** of EU-PolarNet.
- supports EU-PolarNet **financially** and with **personnel**.
- has implemented **action groups** to support EU-PolarNet, e.g. policy advice.





How we work



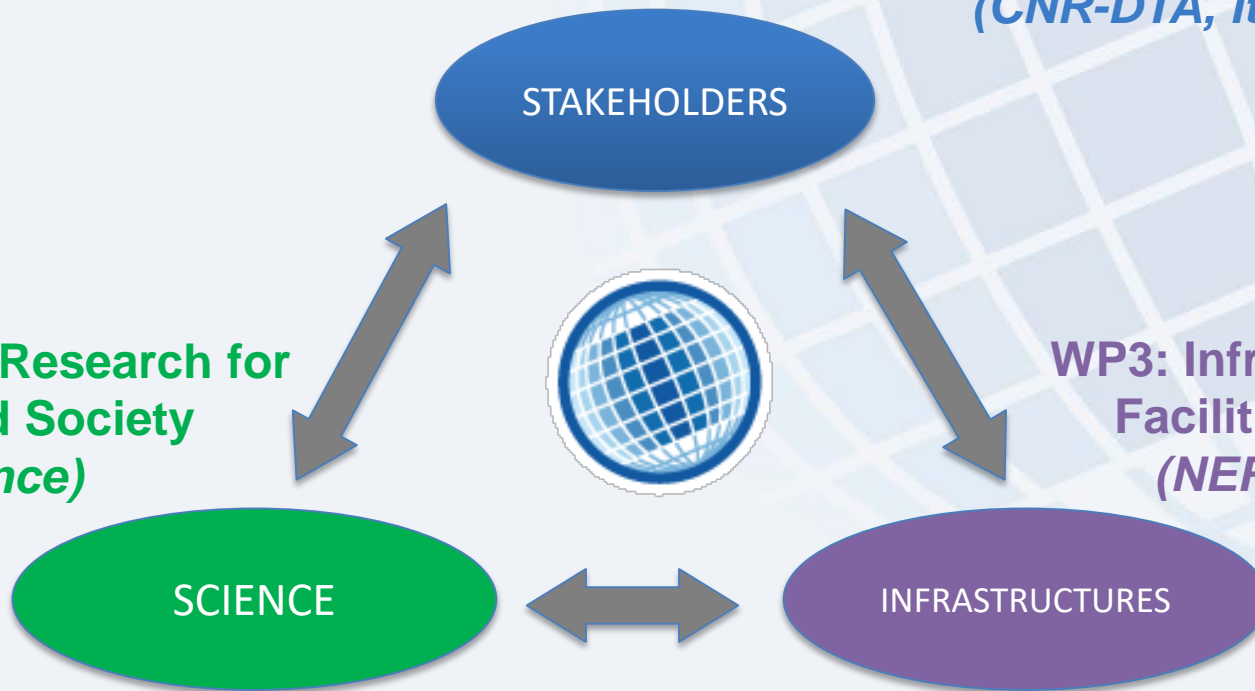
Work packages

WP1: Management, International Integration and Policy Guidance
(AWI, Germany)

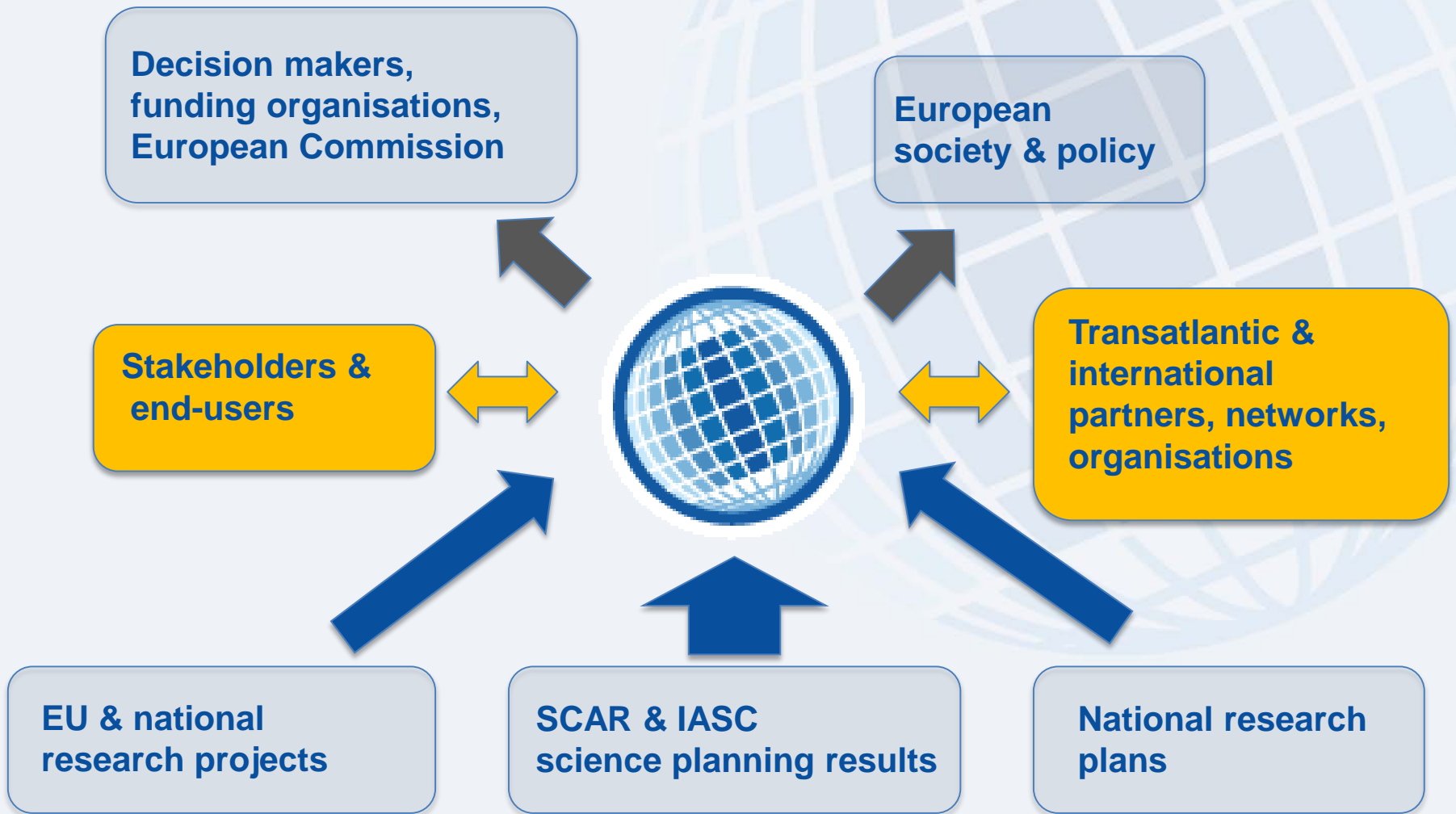
WP4: Interaction with Stakeholders and end-users
(CNR-DTA, Italy)

WP2: Polar Research for Science and Society
(CNRS, France)

WP3: Infrastructures, Facilities and Data
(NERC-BAS, UK)

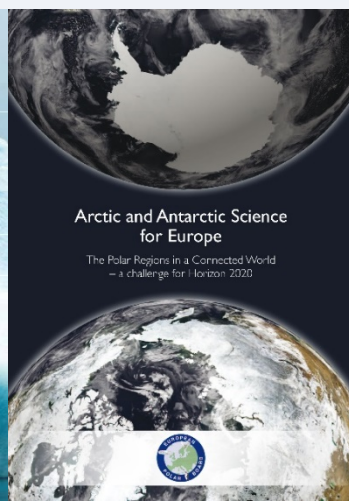


Our approach



Outlook: Co-design White Papers addressing urgent polar research questions

- Develop **white papers** to promote urgent polar research questions.
- **Co-created** by stakeholders and scientific experts during a five day meeting.
- **Public online consultation** will enable scientific and non-scientific stakeholders to contribute with research questions and issues of societal relevance



Focus on: Infrastructure

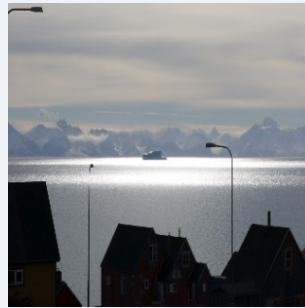


Infrastructure deliverables of the first phase

- Survey of the existing polar research data systems and infrastructures
- European Polar Infrastructure Catalogue
- Inventory of existing monitoring and modelling programmes

Including infrastructure aspects:

- Report on prioritized objectives in polar research
- A stakeholder map



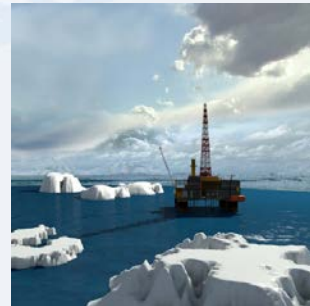
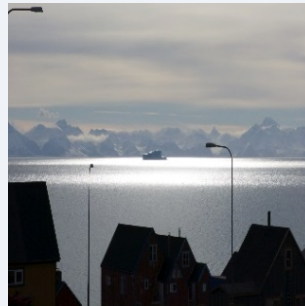
D3.2 European Polar Infrastructure Catalogue

A catalogue of all existing polar infrastructures (stations, research vessels, aircrafts, observatories, autonomous instrumentation on land, in air and ocean research...) for both poles has been established in cooperation with:



Upcoming deliverables in 2017

- Survey of existing use of space assets by European polar operators (*expected May*)
- Survey of polar commercial infrastructure (*expected June*)
- Strategic analysis of the different monitoring and modelling programmes and related infrastructures (*expected August*)
- Data management recommendations for polar research data systems and infrastructures in Europe (*expected October*)



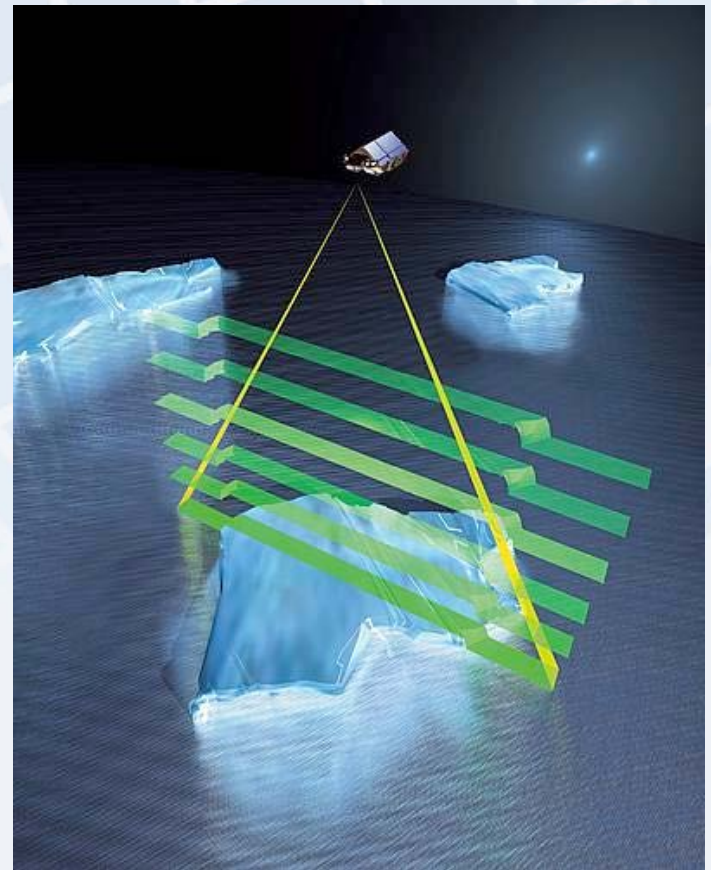
Cooperation EC and ESA

EU-PolarNet became partner in the DG
RTD – ESA EOP strategic partnership
Pilot activity on Arctic and participates in
regular teleconferences.

Provided comments and improvements of
ESA-CliC Earth Observation and Arctic
Science Priorities draft

Future programming activities:

- ESA Envelop 5, H2020 WP18-20 – key dates and links and preparation of a scoping paper
- Support to EC/ESA in identifying Earth Observation data requirements that support Polar Research



(Graphic: AOES Medialab)



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Learn more about [EU-PolarNet](#) – The world's largest consortium of expertise and infrastructure for polar research, representing 22 research institutions from 17 European countries.

Please visit our webpage www.eu-polarnet.eu
and sign up for our newsletter info@eu-polarnet.eu



EU-PolarNet
Townhall Event



Second Stakeholder
Workshop



Breakout Session at
Arctic Circle

Upcoming Events

18th November 2016

Joint side event at the
Workshop with ICE-
change and its impli-
cation on risk". More information

30th Nov - 2nd Dec

Session at the World
Summit in Rotterdam



H2020-INFRAIA-2016-2017 “Integrating and opening research infrastructures of European interest” as a starting community.

ARICE: Arctic Research Icebreaker Consortium: A strategy for meeting the needs for marine based research in the Arctic

Submitted 29th of March 2017



ARICE- Objectives

ARICE aims at providing Europe with better capacities for marine-based research in the ice-covered Arctic Ocean with the existing polar fleet by:

Networking:

Developing strategies to ensure the **optimal use of the existing polar research vessels** at a European and international level, **working towards an International Arctic Research Icebreaker Consortium** which shares and jointly funds operational ship time on the available icebreakers.

Joint research activities:

- “**ship and platforms of opportunity**” programme
- exploring into **new key technologies** to an improvement of ship-based and **autonomous measurements in the Arctic Ocean**.
- virtual (remote) access of data via an innovative **3D Virtual Icebreaker**.



ARICE- Objectives

ARICE will offer Trans-national access to:

IB Oden, SE



RV Siquiliaq, USA



RV Kronprins Haakon, NO



PRV Polarstern, DE



RV Sir David Attenborough, UK



CCGS Amundsen, CA



Thank you very much for your attention

Questions?



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