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

- Initiate, conduct and sustain on-going dialogue and cooperation with all relevant units of the European Commission on Polar topics
- Improve the co-ordination of European research in the Arctic and Antarctic to develop an integrated European polar research programme co-designed with all relevant stakeholders
- Design a resource-oriented European infrastructure access and usage plan to support an integrated research programme
- Improve and strengthen international cooperation in polar research and to implement the Transatlantic Research Alliance



Our consortium



Who we are

- The world's largest consortium of expertise and infrastructure for polar research
- 17 countries represented by 22 of Europe's internationallyrespected multi-disciplinary research institutions
- Professional teams from many disciplines





Affiliated Partner



EUROPEAN POLAR BOARD

The European Polar Board (EPB) is an independent European Organisation of Directors and Managers of the major European National Polar Programmes. It's mission is to coordinate European Arctic and Antarctic research, optimise the use of European research infrastructures and foster multilateral collaboration

- Supports EU-PolarNet with 50 % of its executive secretaries working time and additional financial support
- Has implemented action groups to support EU-PolarNet tasks, like e.g. policy advice
- Will make sure that the legacy of EU-PolarNet will be reliably sustained

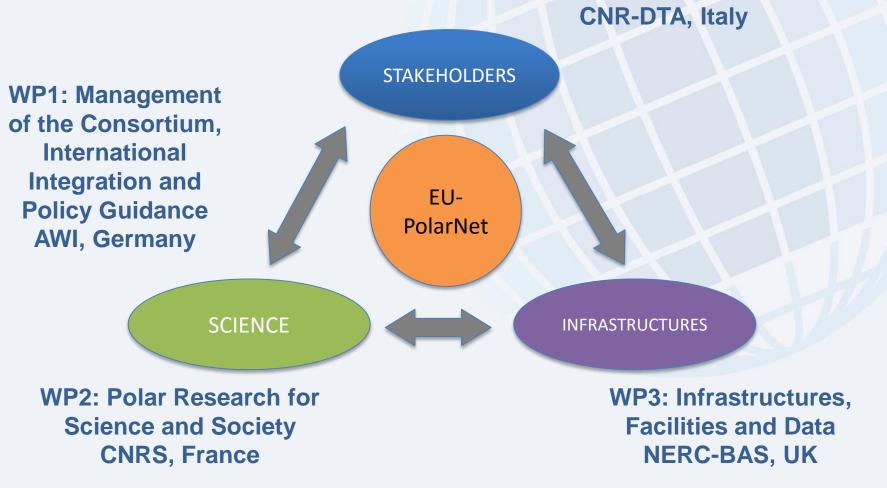


Our cooperation partners



Work packages

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





Work Package 2 – objectives Lead CNRS (France)



- Improve coordination in European Polar Research and develop an Integrated European Polar Research Programme co-designed from the outset with all relevant stakeholders
- Support the coordination and optimisation of existing polar monitoring and modelling programmes and related infrastructure
- Bring together and critically review the polar-related research priorities identified by international and national bodies to establish priorities of particular relevance to Europe
- Facilitate a more effective dialogue between a wide range of stakeholders, to allow them to present their views and identify their needs from the European research community





Work Package 3 – objectives Lead BAS (UK)



- Design a resource-oriented European infrastructure access and usage plan for the Integrated Polar Research Programme
- Work towards a coordinated European polar research data infrastructure and improve open access to quality-controlled data
- Determine the best approach to wider and more coordinated use of space-based assets, spanning satellite communication, navigation and observation, to support European polar operators
- Interact with businesses that operate infrastructure in Polar Regions and work towards charged usage of these infrastructures





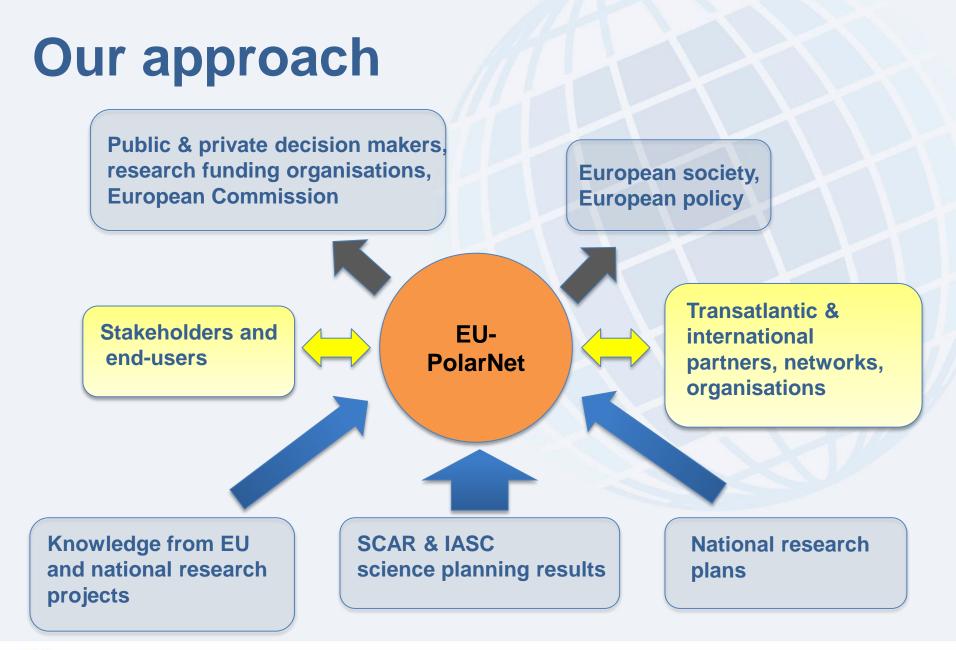
Work Package 4 – objectives Lead CNR-DTA (Italy)



- Initiate, conduct and sustain an on-going dialogue and cooperation with all relevant stakeholders for the Polar Regions
- Support meaningful interactions between scientists and stakeholders to shape the future polar research agenda, exchange key information and priorities, and foster joint involvement in the research process
- Establish trans-disciplinary collaboration on polar research by bringing together natural scientists, social scientists and stakeholders
- Equip EU-PolarNet participants with "tools" and resources to development engagement plans





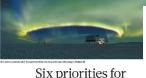




New public deliverables of EU-PolarNet

D2.1 Report on prioritised objectives in polar research





D2.1 identified 10 research Anteretic science themes with several key questions and related societal relevance



Finland's Antarctic Researc

AWI Science plan ERICON 2015-2030 **BELGIANS AT** THE WORLD'S Ocean Science in Canada; Meeting the Challenge, Seizing the Opportunit mart Banal on Canadian Desan Se



Scientific Drilling in the Arctic Ocean

EC RD



Initiative 2015-2020

French Arctic

U-PolarNet

connecting science with society

10DP

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:







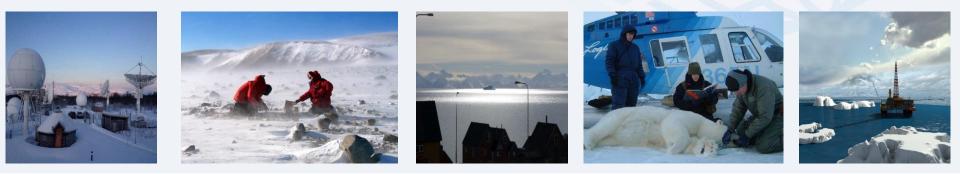
Public deliverables in the first phase:

D1.6 International Cooperation Strategy

D3.1 Survey of the existing polar research data systems and infrastructures

D2.3 Inventory of existing monitoring and modelling programmes

D3.3 Survey of existing use of space assets by European polar operators





Task 2.2: Development of co-designed White Papers addressing urgent polar research questions

EU-PolarNet has just started the process to develop ca. six white papers to promote urgent polar research questions.

The white papers will be developed jointly by stakeholders and scientific experts following the **"Dahlem conference methodology**"

The **nomination of experts** by consortium partners will start in October



Integrating Arctic Research a Roadmap for the Future

3rd International Conference on Arctic Research Planning ICARP III



EU-PolarNet strategic work with the EC

© L. Gruebner, AWI



EU-PolarNet has contributed to the finalisation of the following calls for the H2020 work programme 2016/17:

BG-9-2016: An integrated Arctic observing system (2016)
BG-10-2016: Impact of Arctic changes on the weather and climate of the Northern Hemisphere (2016)
SC5-5-2016: A 1.5 million year look into the past for improving climate predictions – CSA for the preparation on Antarctic Ice Core Drilling (2016)
BG-11-2017: The effect of climate change on Arctic permafrost and its socio-economic impact, with a focus on coastal areas (2017)



Implementing the Galway Declaration



Transatlantic Cooperation in Arctic Research

EU-PolarNet is member of the EC – Canada – US working group on "Implementation of the Transatlantic Research Alliance on North Atlantic and Arctic research".

It supports the EC in **defining and implementing research topics** which could be addressed in close EC-Canadian-US cooperation. The Arctic calls in the 2016 – 17 WP of H2020 are a result of this cooperation.



Cooperation EC and ESA

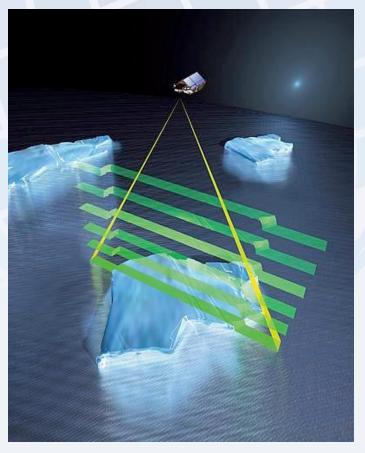
EU-PolarNet became partner in the DG RTD – ESA EOP strategic partnership Pilot activity on Arctic and participates in regular teleconferences.

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 Climate or in our case Polar Research





(Graphic: AOES Medialab)



EU-PolarNet Newsletter

- Issued quarterly (first edition Nov 2015)
- More than 250 subscribers
- News and information about:
 - the consortium and affiliated projects,
 - developments in European polar research,
 - national polar programmes,
 - past conferences and meetings,
 - up-coming events.
- Available via subscription (<u>info@eu-polarnet.eu</u>) or <u>www.eu-polarnet.eu/news-and-events/newsletter.html</u>

EU-PolarNet connecting science with society

Newsletter – February 2016

Welcome to EU-PolarNet's second newsletter - thank you for joining us!

If you have any news, or would like to publicise an event, conference or course, or give us feedback please get in touch by emailing info@eu-polarnet.eu.

Content

COP21 Paris - Arctic Side Event

- 2nd EU-PolarNet General Assembly Stakeholder Workshop: Antic Heath & Welmess Research
- Polar experts within reach Two new expert groups A glimpse on: Polar research in Polarid
- Survey of existing Polar Research Data System EU-PolarNet at the Arctic Frontiers
- EU-Polaritiet at the Arctic Frontiers Supporting the implementation of the "Transatiantic Research Aliance"
- Festured Conference: Arctic Science Summit Week and Arctic Observing Summit

ODDA Davis Birds Frank

EU-Postrike was proof to bete part in this way is holding their Cample Contract Company Contenence in December (COP21). A learn true the conserului are used with colleagues to their BUhold (1): ARS' programme and the Coursen Part Result (1) Part (1) is chost and Ardos Side Event A selection of the speakers tom sciente and featury too by of it on the C-minute thefing season in the EU particips provide for the planty too by of it on the C-minute coursive of Article charge and must applied impacts (cirrady, isociata) and economic). Speakers of the season include the Budger speaker.

- Sir David King, Foreign and Commonwealth Office Special Representative for Climate Change (UK): Physical Besis of Arctic change
- Jean-Claude Gascard, Senior Scientist, Centre National de la Recherche Scientifiqu (France): Scienarios for Arctic Change and Global Consequences
- Anthony Hobiey, Chief Executive, Carbon Tracker Initiative (UK). What must investment markets consider about climate change impacts in the Arctic?

 <u>Shella Watt-Clouter</u>, Fortear Chair of the Inut Gircumpolar Conference, winner of the Right Livelihood Award 2015 (Canada). Societat consequences of Actic change <u>Intotesh of Intotesh</u>, Department of Geopotics, Buckeserin Geoinformation Center (Carmany). Geopolitical and security consequences of Arctic Change







Please visit our webpage and sign up for our newsletter at info@eupolarnet.eu

Connecting Science with Society

EU-PolarNet is the world's largest consortium of expertise and infrastructure for polar research. Seventeen countries are represented by 22 of Europe's internationally-respected multi-disciplinary research institutions. From 2015-2020, EU-PolarNet will develop and deliver a strategic framework and mechanisms to prioritise science, optimise the use of polar infrastructure, and broker new partnerships that will lead to the co-design of polar research projects that deliver tangible benefits for society. By adopting a higher degree of coordination of polar research and operations than has existed previously the consortium engages in closer cooperation with all relevant actors on an international level.

EU-PolarNet moreover benefits from its close cooperation with the European Polar Board (EPB), as outcomes from EU-PolarNet will add long-term value to EPB activity in providing strategic science policy advice to the European Commission and other international bodies. A major benefit of the involvement and support of the EPB is that the legacy of EU-PolarNet can be reliably sustained by the Board into the future.



EU-PolarNet at Arctic Frontiers Polar research in Poland

Search

Latest News

3rd March 2016

ERA4CS Joint Call launched

The overall objective of this JPI Climate call is to enhance user adoption of and satisfaction with Climate Services (incl. adaptation services). Improving the quality of Climate Services is also within the scope of this call. For more information please visit the JPI Climate website. Public Consultation on Research Priorities

16th February 2016

Public Consultation on Research Priorities

The EU-PolarNet consortium has compiled a set of European research priorities for the Polar Regions. This compilation is now open for an online consultation until 9th March 2016. Click here to learn more and to participate.

Thank you very much for your attention – Questions?



