

# 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**

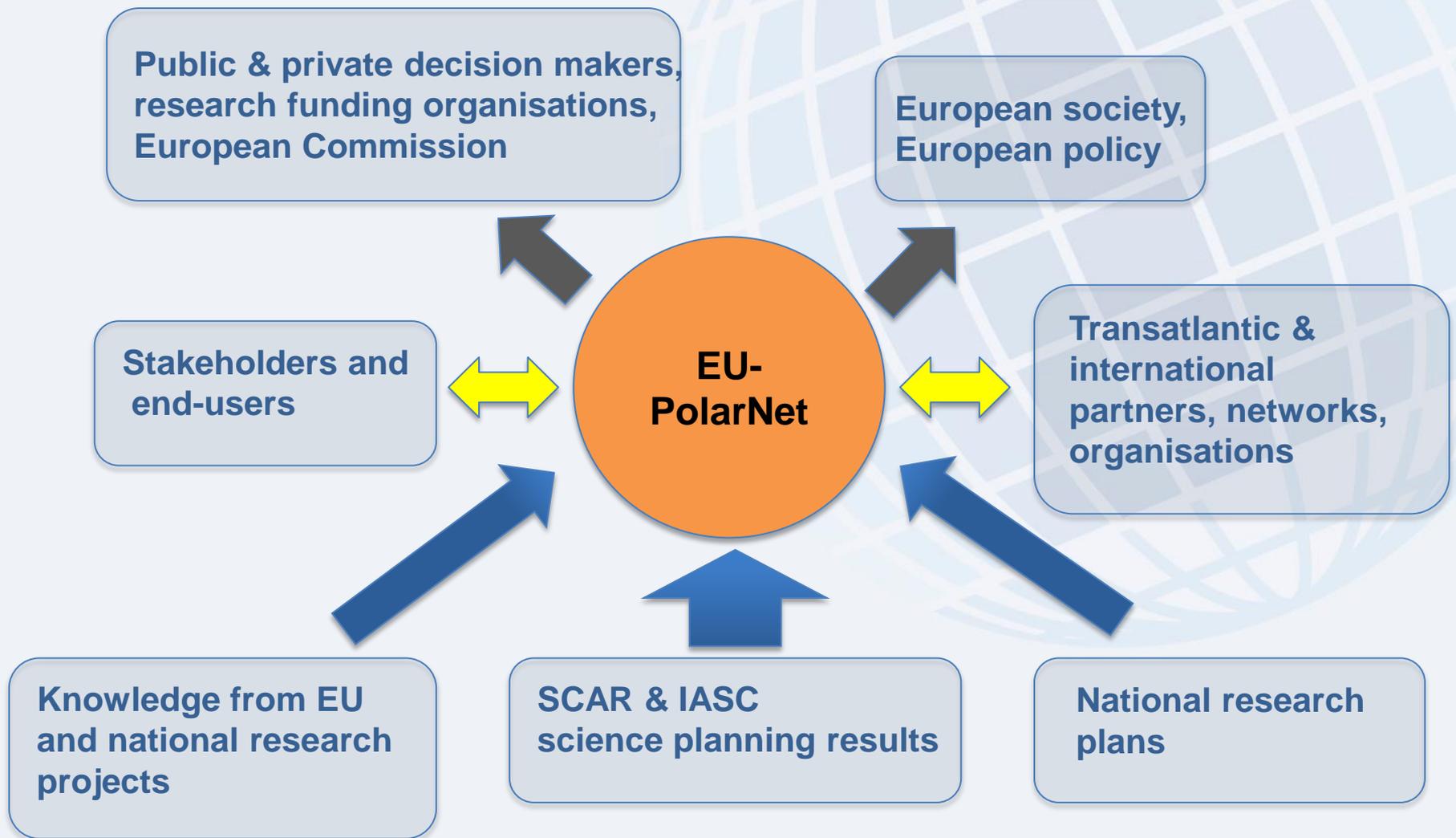
# Who we are

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





# Our approach

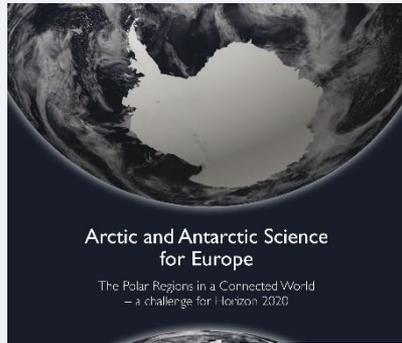




# Upcoming public deliverables of EU-PolarNet

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# D2.1 Report on prioritised objectives in polar research

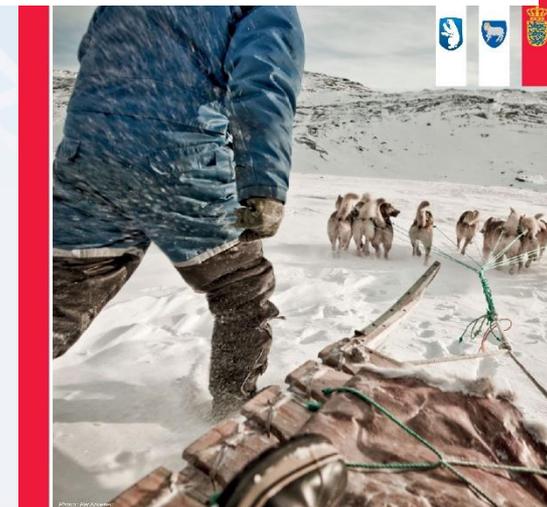


**D2.1 is open for a public consultation until March 9th 2016. Your input is highly appreciated**



## Six priorities for Antarctic science

Mahlon C. Kennicutt II, Steven L. Chown and colleagues outline the most pressing questions in southern polar research, and call for greater collaboration and environmental protection in the region.



# D2.1 Report on prioritised objectives in polar research

## Method used:

1. Desk study based on national Polar strategies, international consortia and major scientific clusters (SCAR, IASC, IASSA etc.)
2. Comprehensive analysis and synthesis into 12 broad and overarching topics as a best possible approximation of the large number of scientific priorities found in the reference documents. This has been done by EU-PolarNet partners,
3. Societal Challenges connected to each scientific topic have been added in order to fit the research priorities to societal needs.

# D2.1 Report on prioritised objectives in polar research

## Meaning of D2.1 for EU-PolarNet work

Should give the consortium members an **overview about the most important topics with societal relevance** in European Polar Research,

Serve as a **background document** for the stakeholder consultations and the **co-design of white papers** on urgent Polar Research questions

**White papers** represent the intermediate step to the Integrated Polar Research Programme which will be the final outcome of EU-PolarNet

# 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 will be established in cooperation with:



*connecting science with society*

## D4.5 A Stakeholder map

We will initiate an ongoing dialogue with all relevant stakeholders to co-design the Polar research programme. The first step is to carefully identify the stakeholders who will be involved.

### In the identification process we will focus on

- those stakeholders that are likely to be end-users or influencers of polar research
- those who are the most relevant at local and regional levels
- involving international networks and NGO's with interest in and/relevance to both Polar Regions



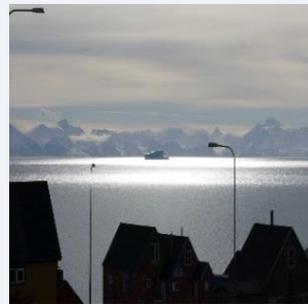
# Other public deliverables of the first phase:

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



# EU-PolarNet strategic work with the EC



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# Implementing the Galway Declaration



TRILATERAL EU · US · CANADA WORKSHOP

**Workshop on Transatlantic Cooperation in Arctic Research; Tromsø, 21. January 2015.** Discussion of three potential research topics to be funded in Horizon2020 and co-funded by Canadian and US organisations.



2ND TRILATERAL EU · US · CANADA ARCTIC WORKING GROUP MEETING

**2nd Workshop on Transatlantic Cooperation in Arctic Research  
Halifax, 24. September 2015:** Discussion of co-funding of Horizon2020 calls by Canadian and US organisations and of further topics for future cooperation.

# Advice on cooperation between EC and ESA on Arctic topics



- EU-PolarNet takes part in the DG RTD – ESA EOP **strategic partnership Pilot activity on Arctic**
- Participation and advice in teleconferences between DG RTD and ESA
- Comments and improvements of **ESA-CliC Earth Observation and Arctic Science Priorities** draft
- Close cooperation with the **ESA – Polaris** project dealing with **User Needs and High-Level Requirements for Next Generation Observing Systems for the Polar Regions**

# 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)

**BG-11-2017:** The effect of climate change on Arctic permafrost and its socio-economic impact, with a focus on coastal areas (2017)

**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)



# Please visit our webpage and sign up for our newsletter at [info@eu-polarnet.eu](mailto:info@eu-polarnet.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.



## Latest News

### COP21 Side Event

On the 5th December 2015 at 14.30 - 16:00  
ICE-ARC,  
EU-POLARNET and  
the EUROPEAN  
POLAR BOARD host



a joint side event during the COP21 conference in Paris: 'Climate Change in the Arctic – Local, Regional and Global Impacts'. Speakers include Sheila Watt-Cloutier this year's winner of the Right Livelihood Award and Sir David King, FCO Special Representative for Climate Change (UK). [Learn more about the session.](#)



# Thank you very much for your attention – Questions?



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