

# 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 internationally-respected multi-disciplinary research institutions
- Professional teams from many disciplines



# Affiliated Partner

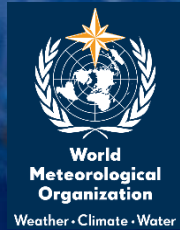
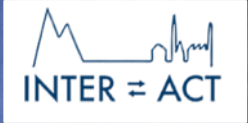


# EUROPEAN POLAR BOARD

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

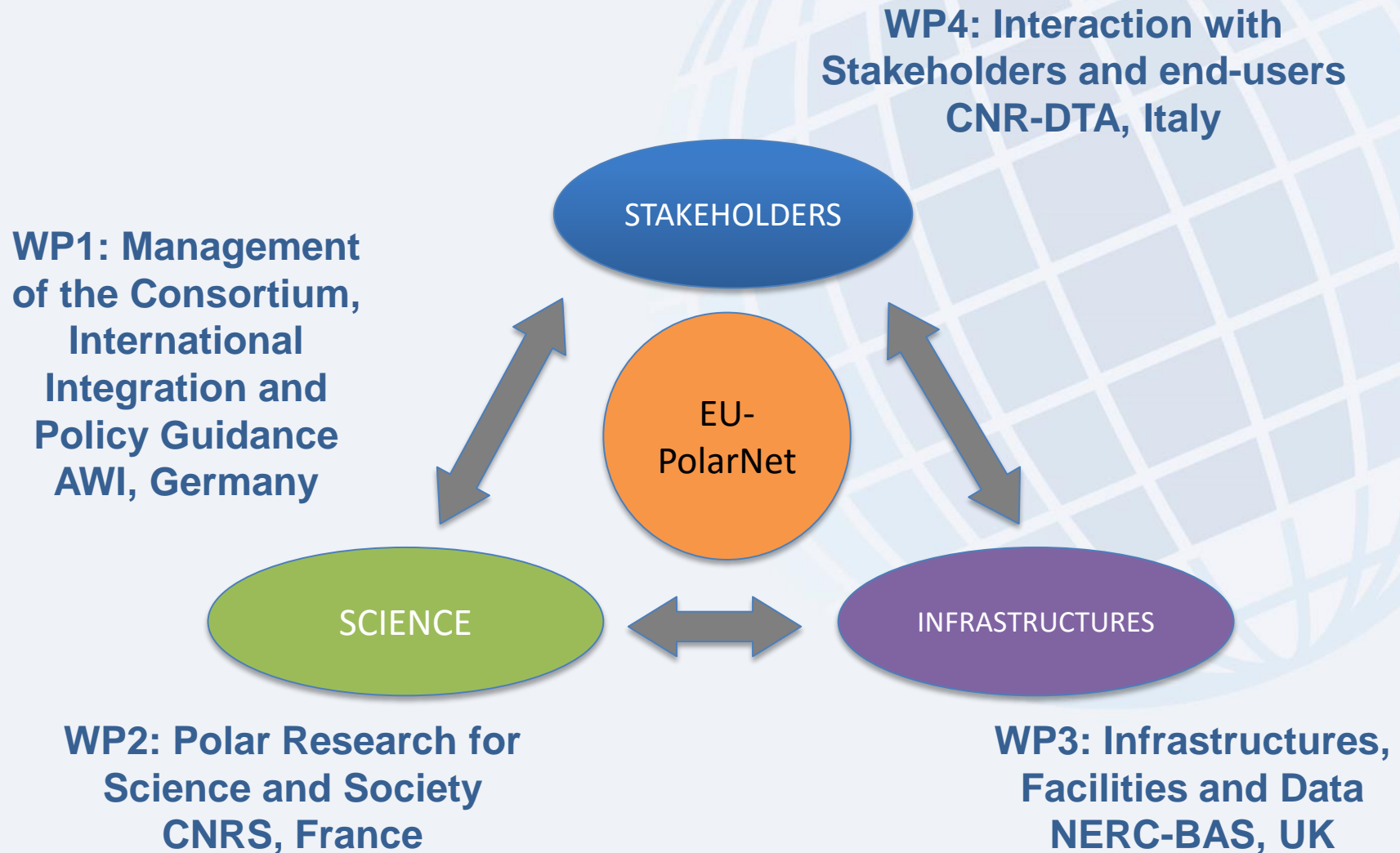
- Supports EU-PolarNet with 50 % of its executive secretaries working time and additional financial support
- Has implemented action groups to support EU-PolarNet tasks, like e.g. policy advice
- Will make sure that the legacy of EU-PolarNet will be reliably sustained

# Our cooperation partners





# Work packages



# 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)



British  
Antarctic Survey

NATURAL ENVIRONMENT RESEARCH COUNCIL

- 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)

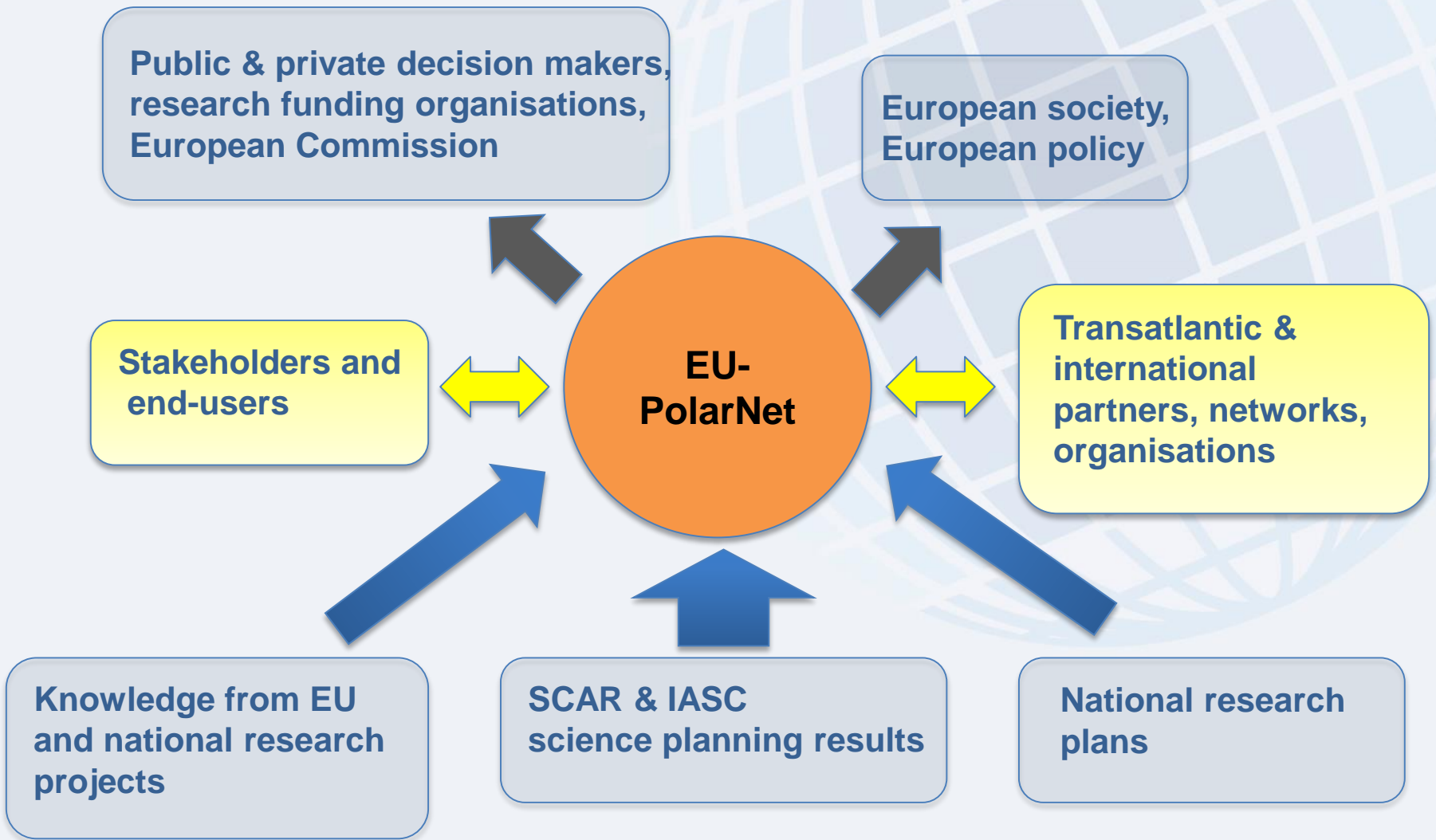


- Initiate, conduct and sustain an **on-going dialogue and cooperation with all relevant stakeholders** for the Polar Regions
- Support meaningful **interactions between scientists and stakeholders** to shape the future polar research agenda, exchange key information and priorities, and foster joint 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





# Our approach



# New public deliverables of EU-PolarNet

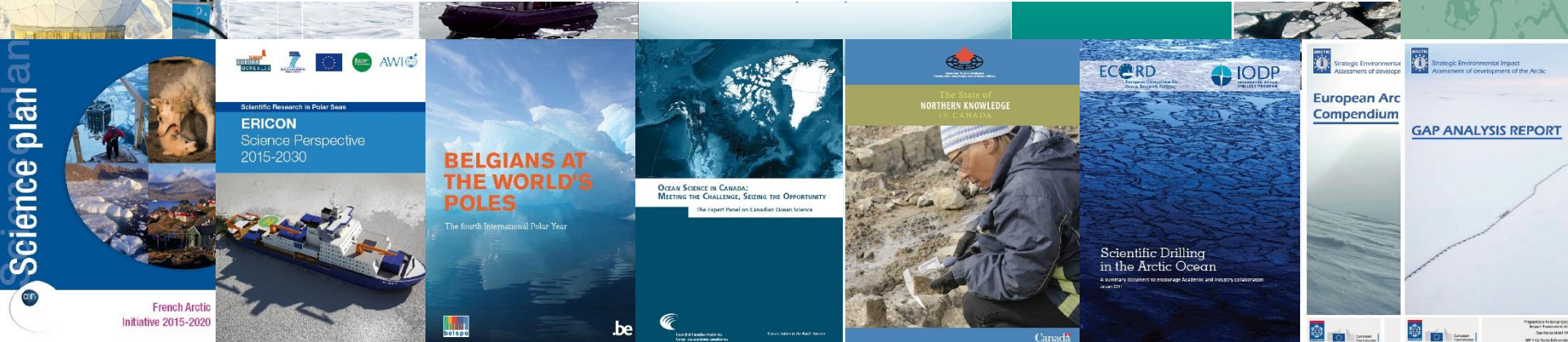




# D2.1 Report on prioritised objectives in polar research



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





# 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:



*connecting science with society*



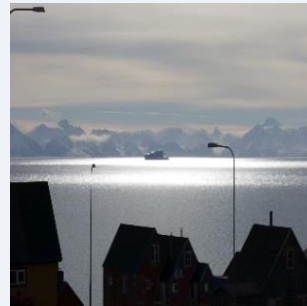
# Public deliverables in the first phase:

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

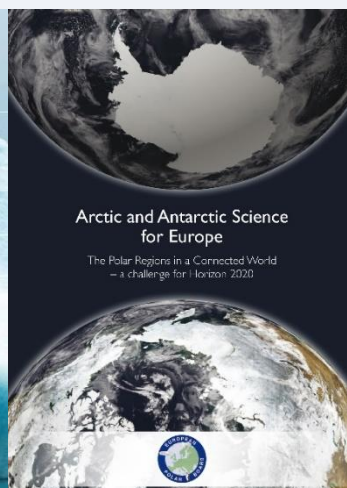


# Task 2.2: Development of co-designed White Papers addressing urgent polar research questions

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





# EU-PolarNet strategic work with the EC



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# 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)

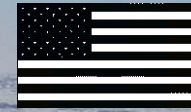
**BG-10-2016:** Impact of Arctic changes on the weather and climate of the Northern Hemisphere (2016)

**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.

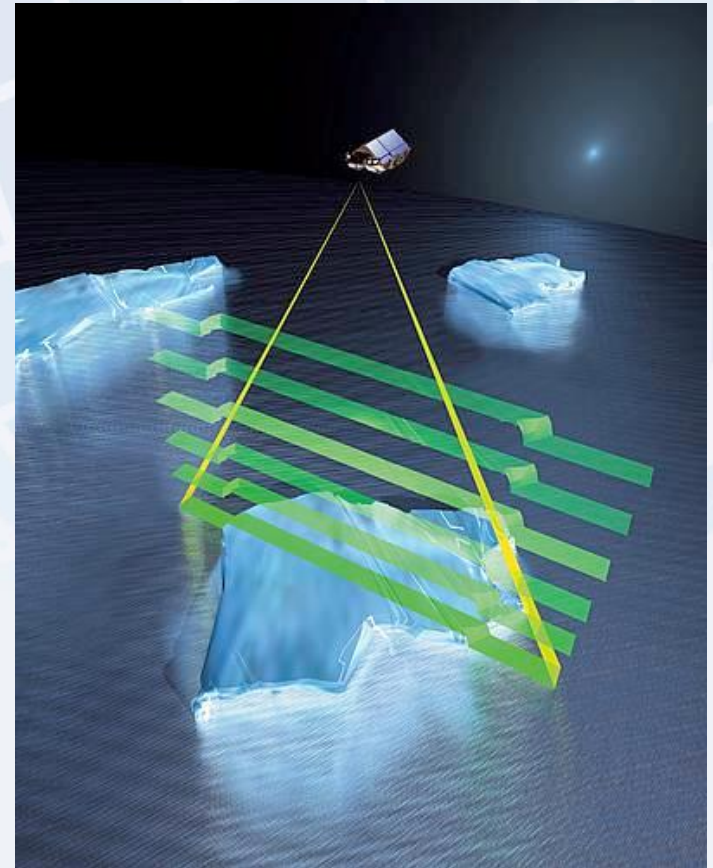
# Cooperation EC and ESA

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 ([info@eu-polarnet.eu](mailto:info@eu-polarnet.eu)) or [www.eu-polarnet.eu/news-and-events/newsletter.html](http://www.eu-polarnet.eu/news-and-events/newsletter.html)



# 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

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?



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