



EPCO and improved coordination of European Polar Observing systems

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Learn more here:



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Ambition:

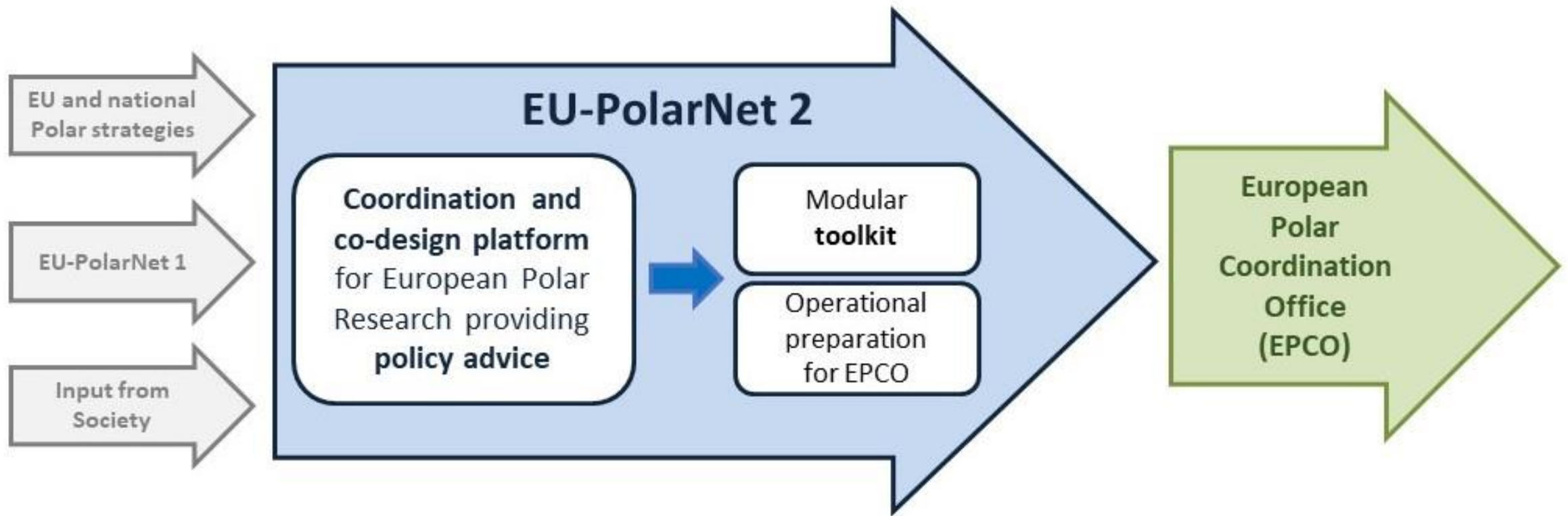
- To establish a sustainable and inclusive **platform to co-develop and advance European Polar research actions**
- To give evidence-based **advice to policymaking processes**
- To sustain the platform in a **European Polar Coordination Office (EPCO)** after EU-PolarNet 2 ends

Goals:

- Provide **evidence-based policy advice** to decision makers
- Support the **implementation of sustained observation systems** in the Arctic and Antarctic
- Create a permanent **European Polar Coordination Office (EPCO)**

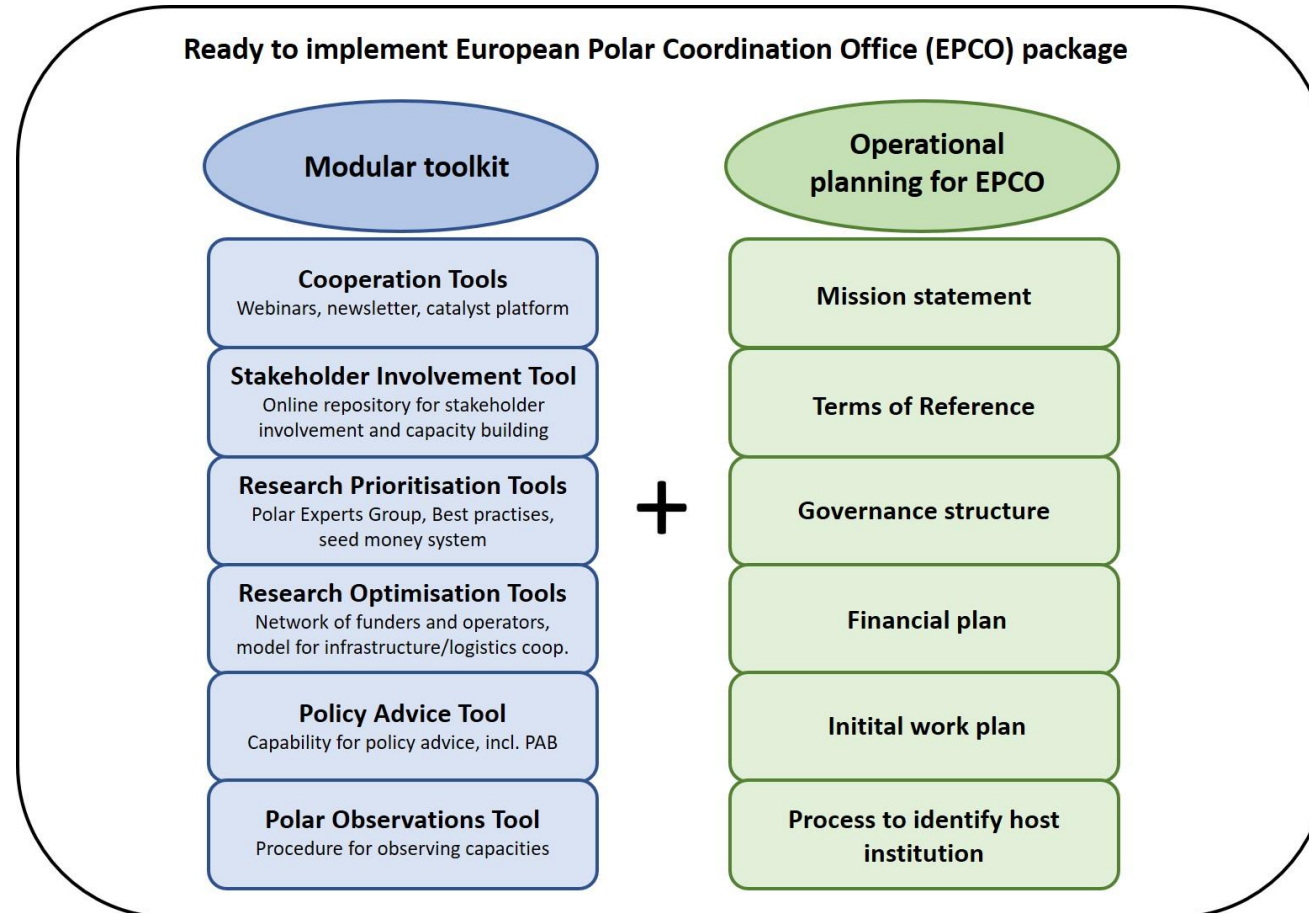


European Polar Coordination Office (EPCO)





European Polar Coordination Office (EPCO)





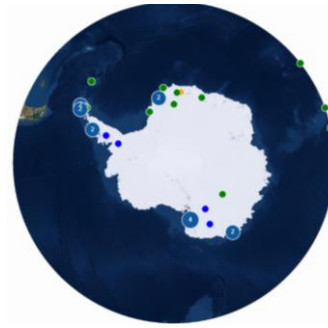
EPCO will be hosted by European Polar Board



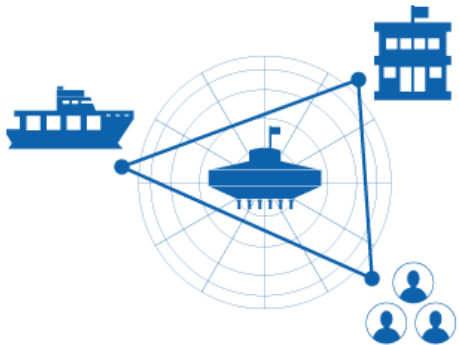
EUROPEAN POLAR BOARD

- 29 Members - 21 countries
- Mix of expertise – research, funding, logistics

(Bi)Polar
Vision

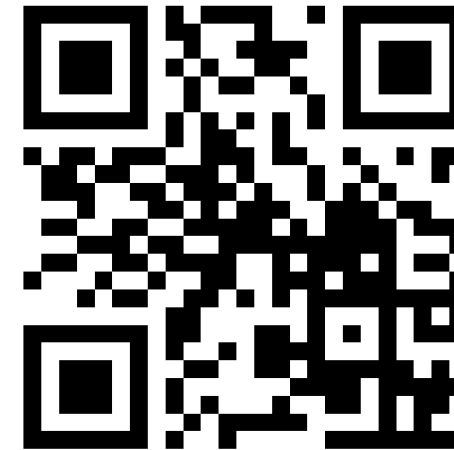


Central
contact
point



Polar
dex

Leading on harmonization
of infrastructure and logistics
metadata and standards



POLARDEX



Field
Facilities



Vessels



Aircraft

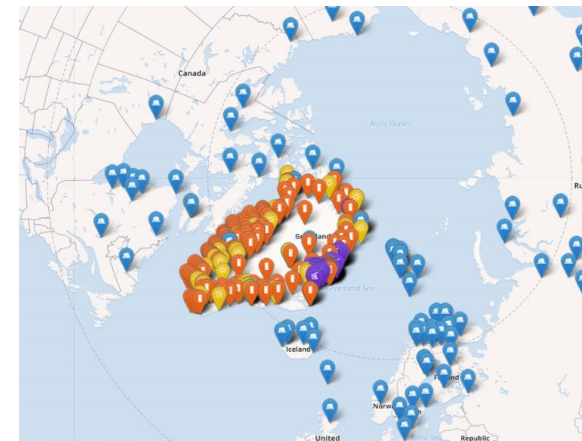


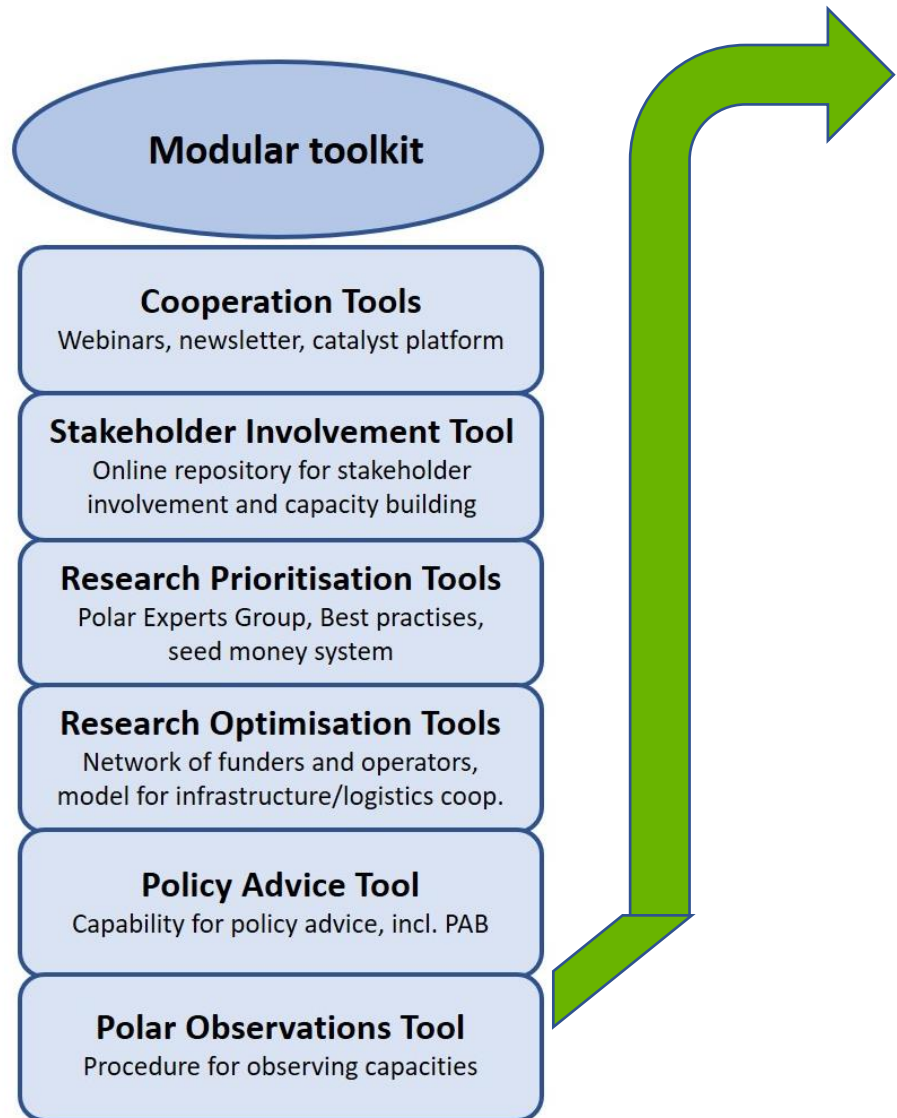
Planned
Routes

Antarctic expedition data provided by

SOOS
SOUTHERN OCEAN OBSERVING SYSTEM

DUE SOUTH
DATABASE OF UPCOMING EXPEDITIONS
TO THE SOUTHERN OCEAN





EPCO's Polar Observations Tool:

Develop a procedure for ongoing collection and collation of European Polar observing capacities and activities:

- Special focus on European polar observing capacity optimisation
- Strengthened coordination of European polar observing capacity
- A key part of the modular European Polar Coordination Toolkit
- Allowing identification of gaps and avoidance of duplication.

Synergetic and optimal use of resources and better facilitation of the flow of information on polar observing systems from the local to the global.

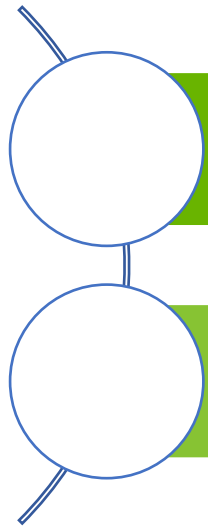


EPCO's Polar Observations Tool – 3 main activities





EPCO's Polar Observations Tool



Information of current European Polar observing capacities and activities

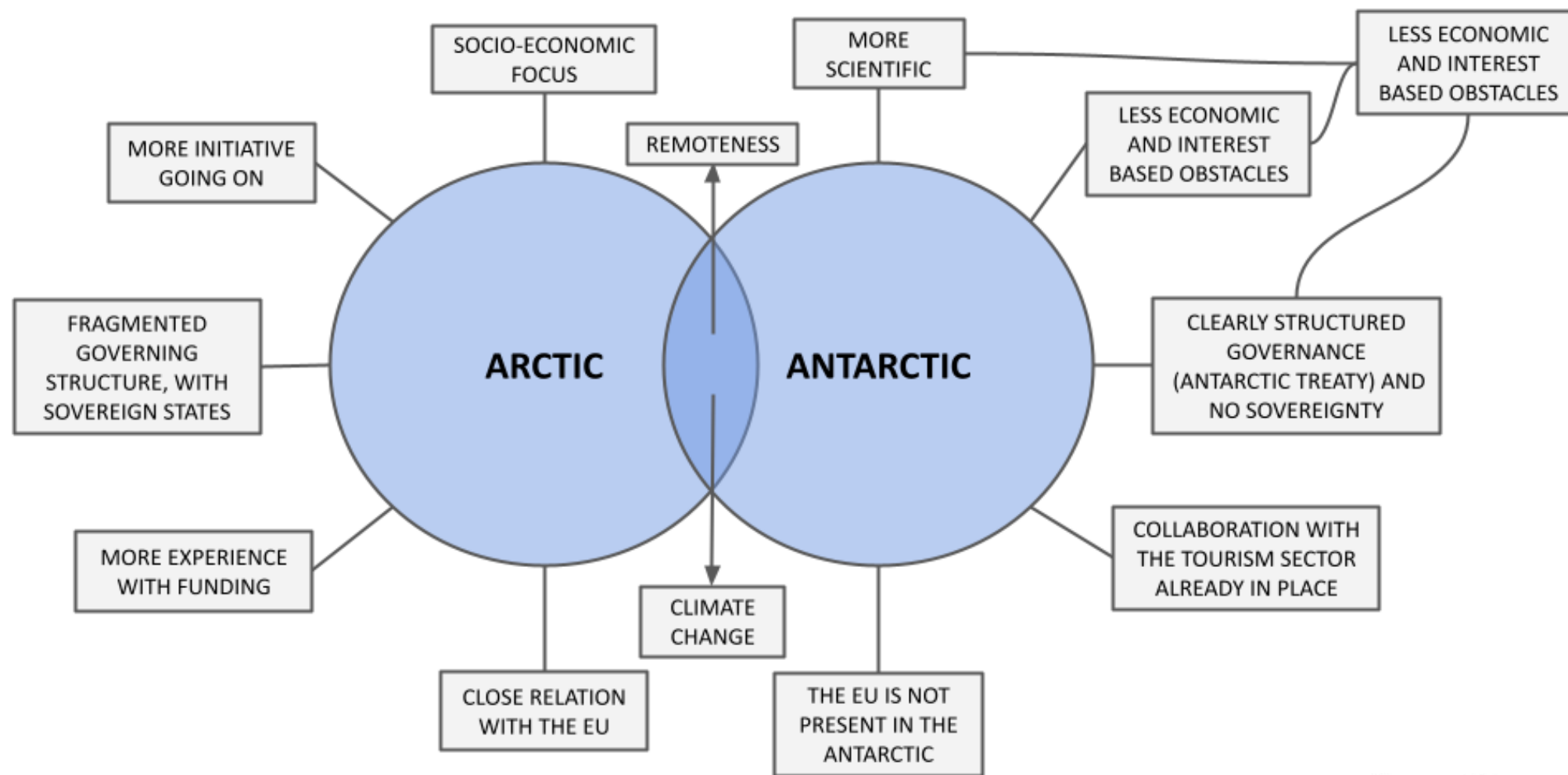
Workshop with coordinators of European Polar observing systems



Recommendations – short and long term

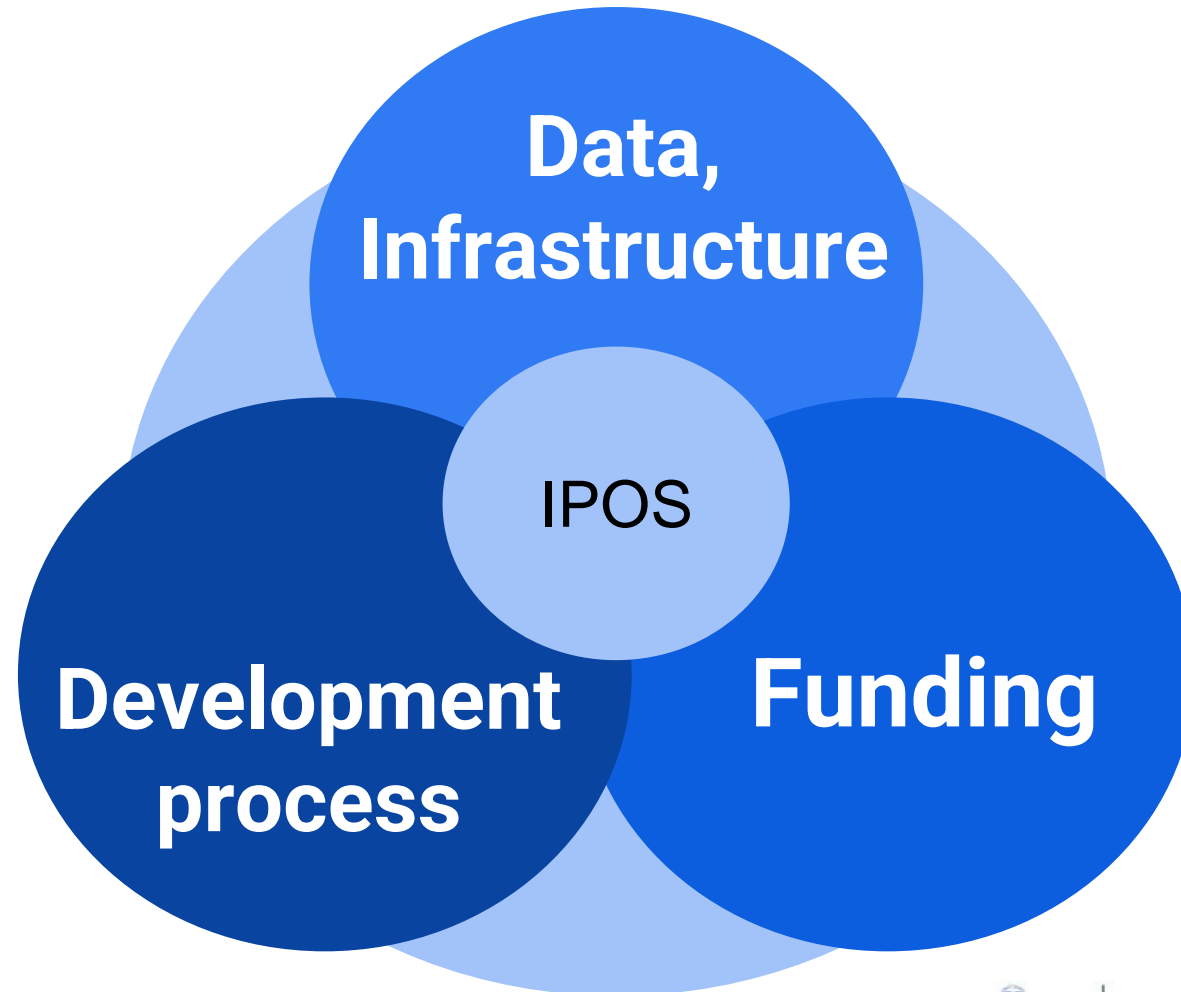


European Polar observing systems and assets





Recommendations for an Integrated Polar Observing System (IPOS)





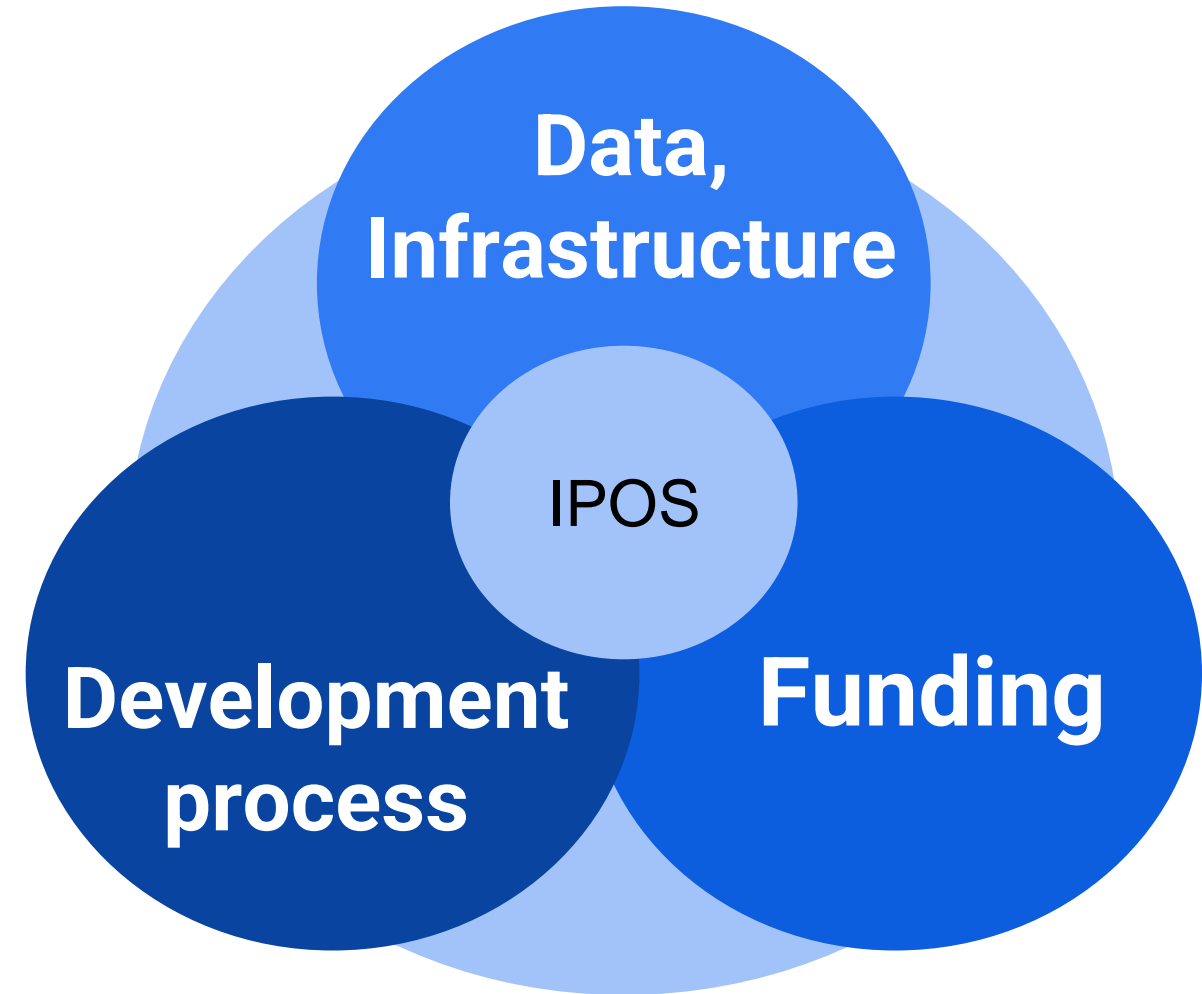
Recommendations for IPOS – Data and Infrastructure

Short term:

- **Harmonization** of existing datasets
- Data and infrastructure **sharing**
- **Education and training**

Long Term:

- **Technical advancements** (instrumentation, data collection and sharing)
- **Observation sites** (gaps in knowledge, long term & multiparameter)
- **Standardisation** of new data collected (through Essential variables/parameters/metadata)





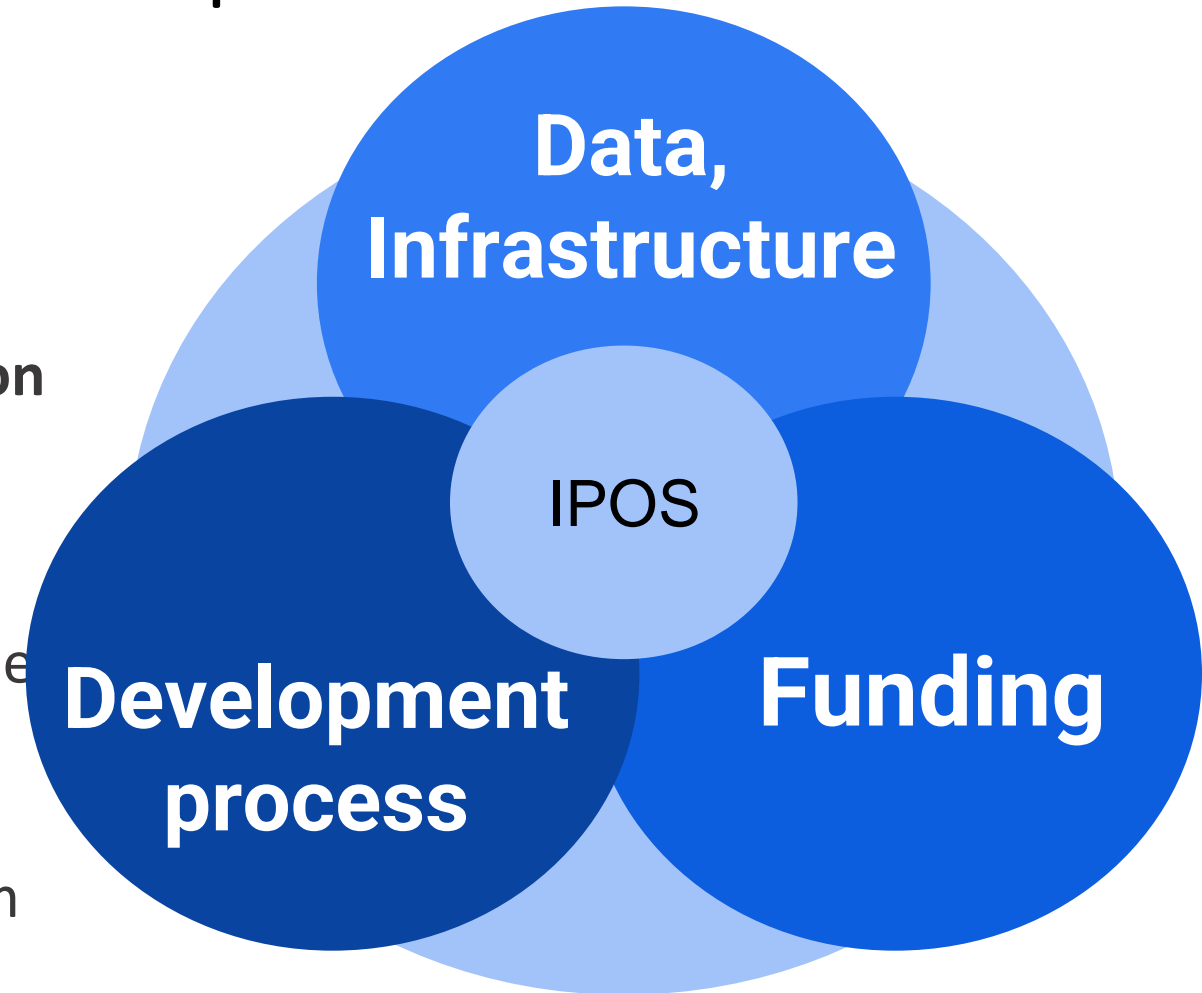
Recommendations for IPOS – Development process

Short term:

- Include all **Stakeholders**
- **Governance** systems and **funding**
- Utilise fully all current activities, **avoid duplication**

Long Term:

- **Integrate and streamline**, including all stakeholder organisations
- **Open, transparent, polycentric and layered system** – holistic approach, bringing both bottom up and top down activities





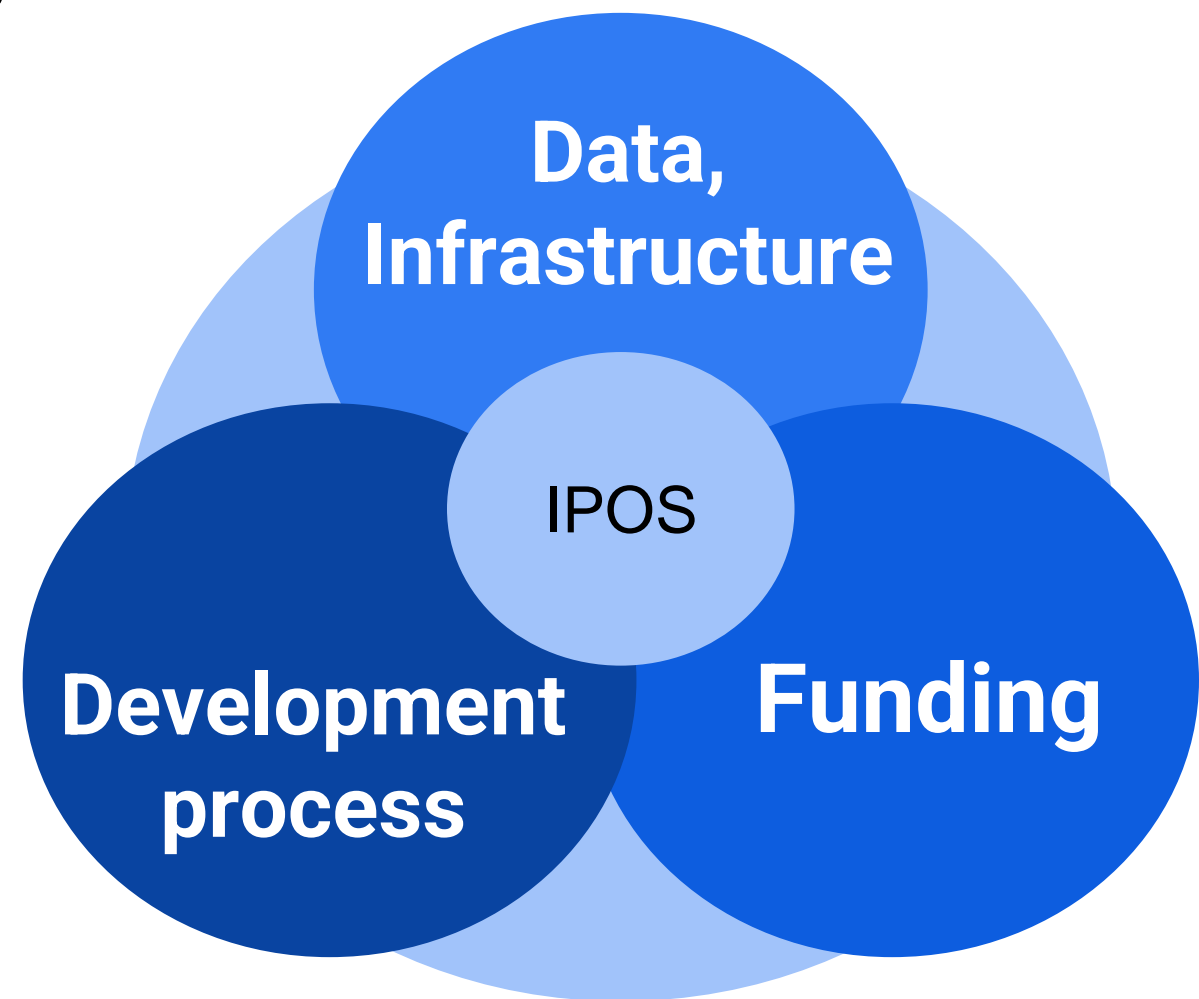
Recommendations for IPOS – Funding

Short term:

- Network with **funding agencies**, including for involvement in **priority setting**
- Give right message (**benefits and outcomes**) to the right stakeholders

Long Term:

- **Long-term sustainable funding** – National, regional and international levels, utilising cooperation agreements already existing
- Considering **societal benefit** and **cost efficiency**

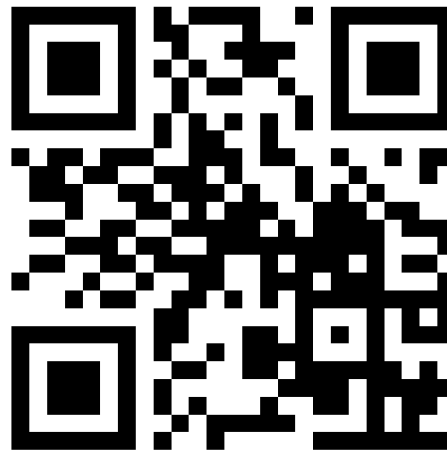




European Polar Infrastructure

Globally unique: Providing comprehensive information about infrastructure, logistics, and research from both polar regions - Currently with European focus

Leading the way on harmonization of infrastructure and logistics metadata and standards



POLARDEX
INTERACTIVE POLAR INFRASTRUCTURE DATABASE



Field
Facilities



Vessels



Aircraft



Planned
Routes



Polar Observations Tool





Polar Observations Tool – Upcoming activity





Expectations from the future EPCO Polar Observing Tool: *Optimising Polar observing capacities with a unified European voice*

Facilitate **better coordination of the European Polar observing community** and its capacities through **improved information sharing and communication** at an international level by:

- Ensuring recognition of the unified European contribution to Polar observations in international organisations and fora.
- Ensuring European leadership in the acceleration of development of a fully Integrated Polar Observing System.
- Identifying and mobilising partner organisations, national operators, stakeholders and users, and funders of Polar observing systems.



Thank you!

Would you like to provide recommendations to accelerate the development of an Integrated Polar Observing System (IPOS)?

