



EU Polar Cluster

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Current projects and partners



Polar

Logos for Polar projects: EU-PolarNet, Protect CRYOSPHERE & SEA LEVEL, OCEAN:ICE, PolarRES Exploring future polar climates, CRices, FORCeS

Arctic

Logos for Arctic projects: ARCOS, ARCSAR Arctic and North Atlantic Security and Emergency Preparedness Network, ARCTIC HUBS, ARCTIC PASSION, HiA00S, Depoc explaining and predicting the ocean conveyor, ARC, CHARTER, ECOTIP, EACE-IT Arctic Biodiversity & Livelihoods, INTER=ACT, NUNATARYUK, JUST NORTH

Antarctic

Logos for Antarctic projects: SO-CHIC Southern Ocean Carbon and Heat Impact on Climate, TiPACCs Tipping Points in Antarctic Climate Components, BEYOND EPICA OLDEST ICE, APECS Association of Polar Early Career Scientists, European Polar Board, EuroGOOS European Global Ocean Observing System, SIOS SWALBARD INTEGRATED ARCTIC EARTH OBSERVING SYSTEM

Partners

Mission: working together

Added values of clustering activities

Higher impacts than single project's outputs

Increased **knowledge sharing**

Maintaining the **legacy** of finished projects

Joint activities for less but better engagement with stakeholders

Creating synergies between already planned activities for greater visibility

Pooling resources (human, financial, in kind...) for better use of citizen's money



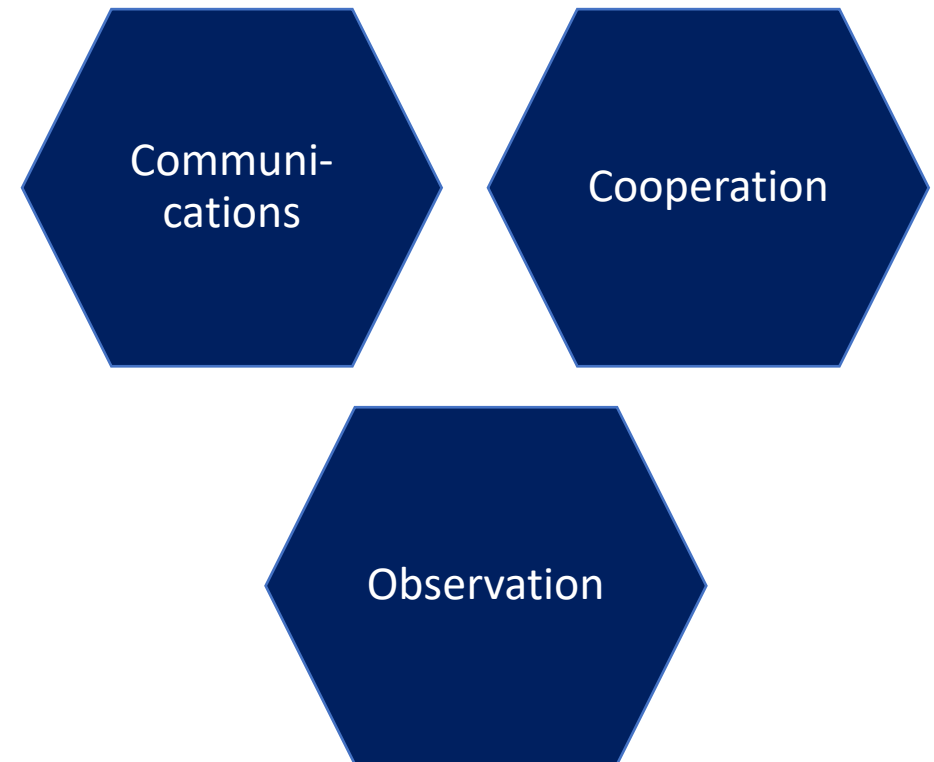
Cluster structure

Working groups

- Ongoing activities applicable to selected Cluster members
- Focused activities
- Involving people from relevant projects

Cluster Curators

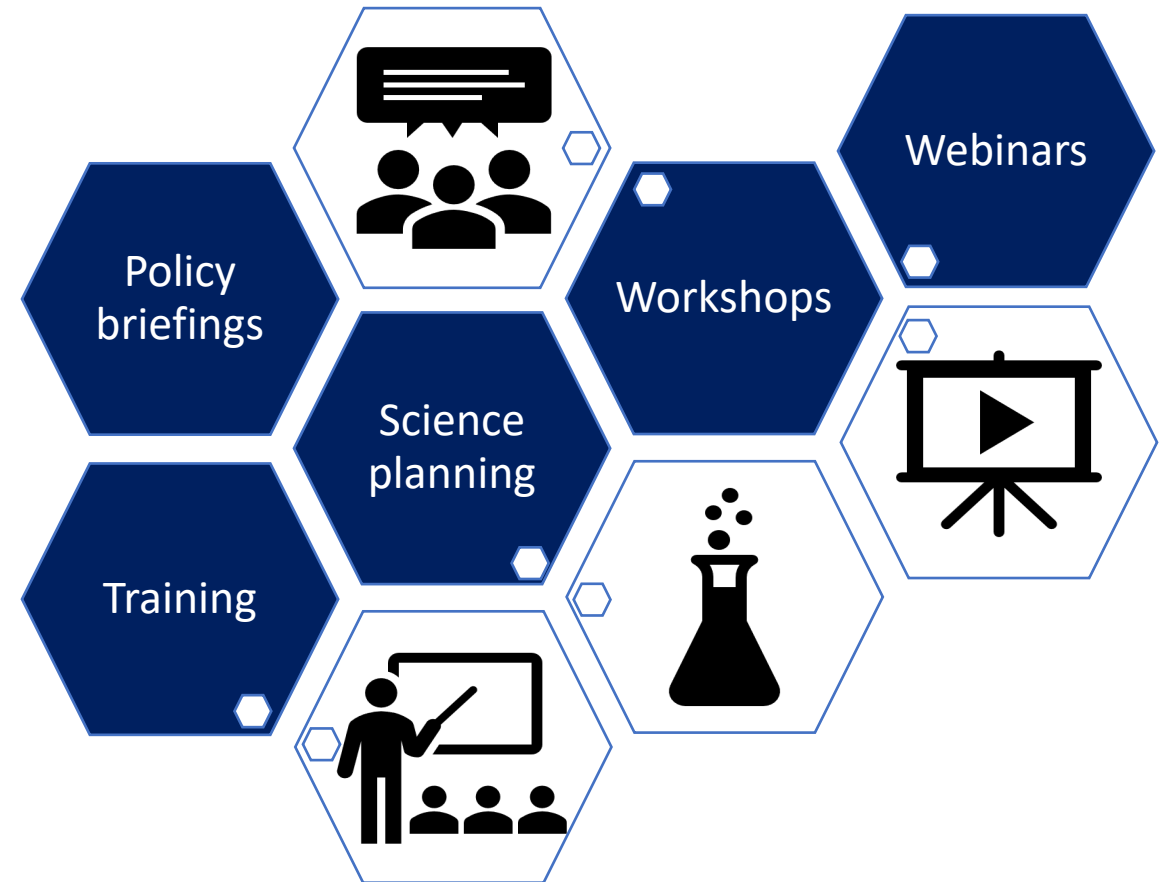
- Few people, responsible for the smaller working groups



Cluster structure

Action groups

- Science planning groups
- Based on a topic
- Short lived (few months), deadlines
- Clear goals and outcomes



Cluster structure

Current Action groups

- ArcticHubs/JustNorth/CHARTER
- CRiceS/PolarRES
- FACE-IT/ECOTIP/CHARTER
- EU-PolarNet 2/SO-CHIC policy briefing

Ended Action groups

- Horizon Results Booster
- ASSW2023

COMING SOON: Project legacy



Action groups are created on the Catalyst Platform (polarcatalyst.eu) - Discussions and independently coordinate their activities there.

Please see the below table for all current information on the active Action Groups within the EU Polar Cluster:

Action Group	Start Date	End Date	Activities	Link	Contact
ArcticHubs/JustNorth/CHARTER   	2022	July 2024	Workshop "Tools for green and just transition to increase resilience in the Arctic" at the fringe of Arctic Frontiers in Tromsø 2023	Arctic Frontiers	
CRiceS/PolarRES  			EGU GA 23-28/04 IUGG General Assembly 11-20/07	EGU IUGG	
FACE-IT/ECOTIP/CHARTER   	Mid 2022		North American Caribou workshop/Arctic Ungulate conference 8-12/05 6th European conference on Permafrost 18-22/06 8th European phycological congress 20-26/08 ICES annual science summit 11-14/09 Rovaniemi Arctic Spirit conference 14-15/11 AGU 11-15/12	Policy dialogue Workshop & Conference Permafrost Conference Phycological congress Science Summit AGU	
ASSW2023 	June 2022	30 April 2023	ASSW 2023 'The Arctic in the Anthropocene' 17-24/02	ASSW2023	

Cluster joint activities



EU Polar Cluster joint events & booths

- EU Arctic Forum 2021
- SMM 09-2022
- Arctic Circle 10-2023



Annual meetings

- EU Polar Science Week 2020
- Brussels, June 2022
- ASSW2023, February 2023



Cluster joint activities



Thematic workshops on different topics

- Covid-19 impacts on Cluster members, January 2021
- Impact of war in Ukraine on members, May 2022

Dissemination

- Flyer (Zenodo, Catalyst)
- Video (YouTube, Catalyst)
- Slide show (YouTube)

The flyer is titled "European Polar Research in action" and features the EU Polar Cluster logo. It is divided into several sections: "Challenges" with sub-sections for Scientific & Technological, Stakeholder Engagement, and Societal; "Who benefits?" with icons for Research & Academia, Civil Society, NGOs, Citizens, Infrastructure, Logistics, data and observing system managers, and Policy makers; and "The EU Polar Cluster Members" which lists various member organizations like SIOS, APECS, and EPB. It also includes a section for "Legacy projects" such as INTARON, ICUPE, and POLARACTERN.

The video player shows a video titled "The EU Polar Cluster is a network of collaborative Polar projects funded by the European Commission, and three permanent members, the EPB, APECS and SIOS". The video content shows a wide, icy landscape with a river or fjord filled with icebergs. The YouTube interface includes the play button, progress bar (0:18 / 1:54), and other standard controls.

Action group: Policy briefing Arctic biodiversity



Arctic biodiversity, climate and food security, 15-03-2023, Brussels

- Targeted at EU Arctic policymakers
- Aimed to discuss the latest understanding about changing Arctic biodiversity and its societal implications
- Highlighted gaps and opportunities in current Arctic policy



Action group: Policy briefing Arctic biodiversity



Arctic biodiversity, climate and food security, 15-03-2023, Brussels

- Policy briefing brochure, describing the relevance of the project results for different levels of policy making
- Recording of presentations, panel discussion & brochure -> resource on the Catalyst platform



Arctic biodiversity, climate and food security

POLICY BRIEFING



CHARTER, ECOTIP and FACE-IT are EU-funded, Horizon 2020 projects that aim at contributing to a better understanding of how the several drivers of Arctic change are impacting on ecosystems and, in turn, on Arctic communities, especially in connection with the observed Arctic ice shelf loss. These three projects focus respectively on Arctic ecosystems on land, at sea and in the interface between land and ocean (fjords) while exploring and identifying potential opportunities for co-management to adapt to the ongoing changes. We believe that already the preliminary results deriving from these research projects are highly relevant for the strategies being developed by the European Union and the work of other international organisations in relation to the climate change and biodiversity crises.

Relevance for EU's Arctic policy and the Green Deal

The EU role in guiding trends and shaping policies that have a critical impact for the Arctic region and the local stakeholders is crucial. International cooperation, trade, tourism, pollution, the exploitation of natural resources, and fundings for research programs are relevant areas and tools for EU's action. The 2021 EU's Arctic policy emphasizes that the Green Deal should guide the EU's Arctic engagement in the coming years.

Specific economic activities are developing quickly in the Arctic, including tourism, fisheries and aquaculture. They are expected to play an important role for local economic development and diversification. However, there is an obvious challenge in developing such activities in a way that considers the interests and well-being of local inhabitants, but also ensures the protection and conservation of fragile ecosystems. There is a need for prioritizing quality over quantity, while resources are often lacking to develop and enforce regulations and guidelines in the Arctic.

Preliminary findings from both FACE-IT and ECOTIP indicate that marine food resources are predicted to continue to be of commercial importance, but must also sustain local livelihoods and culture. However, the ongoing "borealisation" of marine species above the Arctic circle is impacting fisheries, as emphasized by ECOTIP that has documented changes in fish distribution with the help of historical data and interviews with fishers. The development

of the seaweed aquaculture sector shows potential as a new livelihood, as well as being important for habitat provision, ecosystem services, and carbon sequestration. Europe's demand for marine food resources from the Arctic needs to be balanced with sustaining local and traditional practices and ecosystem function. Besides, EU policies must consider the priorities of the Arctic coastal states when it comes to fishery rights to prevent situations of conflict.

On land, reindeer husbandry is a traditional, viable and vital livelihood with high symbolic significance and with an important landscape management function. It has been shaping Northern landscapes, and is an integral part of landscape dynamics as it contributes to keeping them open, as emphasized by preliminary findings from CHARTER. There are nevertheless conflicting interests with other forms of land-use, such as forestry, tourism, resource extraction and green energy. In connection with the expansion of the latter activities, reindeer herders are poorly empowered to provide what should be their crucial contribution into land-use management regimes in the Nordic countries. Sustaining biodiversity, mitigating climate change, preserving the interests of local and Indigenous communities, and fully embedding traditional knowledge in strategies and plans are topics that are strongly interlinked. Current trajectories of development and regional and local livelihoods must be better integrated when considering land-use.

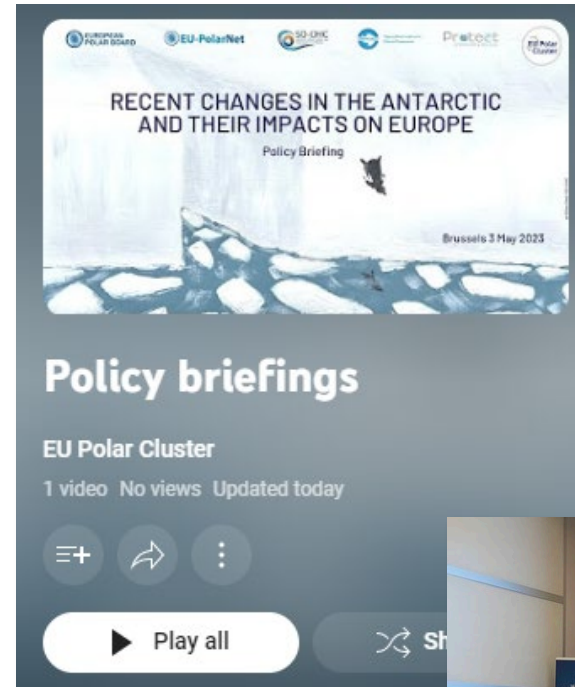


Action group: Policy briefing Antarctica



Recent changes in the Antarctic and their impacts on Europe, 03-05-2023, Brussels

- Targeted at EU policymakers
- About the importance of the Southern Ocean and its interactions with the Antarctic ice sheet for global climate, sea-level rise and related impacts on Europe





Collaborative tools



[@EUPolarCluster](https://twitter.com/EUPolarCluster)

[#EUPolarCluster](https://twitter.com/EUPolarCluster)

[Eupolarcluster](https://www.instagram.com/EUPolarCluster)

<https://www.youtube.com/@EUPolarCluster/featured>

www.polarcluster.eu



Collaborative tools

Website

- Information about members
- Member fact sheets (active & ended projects)

www.polarcluster.eu

Catalyst platform

- Sharing information: project outcomes, news, events, calls...
- Uploaded & administered by our members

www.polarcatalyst.eu

Home / Events

Upcoming Events

30 Jan 2023 PROTECT webinar - IPCC Projections & Planning for Sea Level Rise Risk	31 Jan 2023 SO-CHIC Webinar: Impact on the coupled climate system	1 Feb 2023 Land use, reconciliation and justice in the Arctic	8 - 9 Feb 2023 EU Arctic Forum and Indigenous Peoples' Dialogue
20 - 20 Feb 2023 INTERACT TA User Community Meeting at ASSW2023 (Hybrid format)	21 Feb 2023 ASSW2023 session: EU-PolarNet 2: advancing European Polar research strategies	4 - 6 Mar 2023 Arctic Circle Japan Forum	15 Mar 2023 Arctic biodiversity, climate and food security
24 - 27 Apr 2023 AITC 2023 - Mapping The Arctic	22 - 24 Jun 2023 2023 SCAR SC-HASS Conference: "The Antarctic for a Better World"		

Google Calendar

EU Polar Cluster

Today January 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Jan 1	2	3	4	5	6	7
8	9	10	11	12	13	14



Thank you!

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