

# Scientific Committee on Antarctic Research

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[www.scar.org](http://www.scar.org)



# Scientific Research Programmes (SRPs)

SRPs are SCAR's flagship activities addressing high priority scientific questions

## **INStabilities & Thresholds in ANTarctica (INSTANT) - 2021-2028**

Continued work on the Antarctic sea level change projections and impacts project. The ice sheet projections are being integrated into a probabilistic sea-level projection framework for Intergovernmental Panel on Climate Change Assessment Report 7 (AR7) shared socioeconomic pathways (SSPs).

## **Near-term Variability and Prediction of the ANtarctic climate System (AntClimNOW) - 2021-2028**

Continued to develop the Antarctic Climate Indicators (ACI) project - a set of diagnostics to monitor the Antarctic climate system in near real time.

Its Dataset Stewardship and Development Scheme continues to improve access and coordination of climate-related data for Antarctica.

## **Integrated Science to Inform Antarctic and Southern Ocean Conservation (Ant-ICON) - 2021-2028**

Continues to develop information for the State of the Antarctic Environment Reporting (SAER).

Ant-ICON and Standing Committee on the Antarctic Treaty System (SC-ATS) Fellowship open for a 4th year

Held the "Shaping the Future of Antarctic Conservation" Workshop in Paris 7-9 July 2025. Report available online.

## **Antarctic Geospace and Atmosphere Research (AGATA) - 2024-2032**

Gathers research communities focusing on the polar weather, atmosphere, and geospace to study the coupling between atmospheric layers and the impact of solar-terrestrial interactions for conditions in the atmosphere.



# Activities of selected SCAR Groups

<b>SCAR Krill Expert Group</b>	Established a dedicated Task Force to tackle key research challenges in krill conservation
<b>SCARFISH</b>	Overall objectives of SCARFISH are to identify research gaps in fish biology, foster broader international collaboration and coordination to fill those gaps, synthesise fish research needs, and work to integrate more comprehensive Southern Ocean fish research into CCAMLR, all while broadening the diversity of Southern Ocean fish researchers.
<b>Plastic Expert Group</b>	In 2025, the co-chairs of the Plastic-EG attended the Fifth Session of the Intergovernmental Negotiating Committee (INC-5) of the Plastic Treaty and one of the group's early career researchers participated in the action group "Mitigating Pollution" at the United Nations Ocean Conference. The group now has representatives appointed to the AMAP Litter and Microplastics Expert Group.
<b>Southern Ocean Region Panel (SORP)</b>	Continued work on Southern Ocean Freshwater Input from Antarctica (SOFIA).  Organising the workshop "Polar Heat: Transports, Mechanisms and Global Linkages" in collaboration with the Northern Oceans Region Panel (NORP): February 28 - March 1, 2026, in Glasgow, Scotland.
<b>International Bathymetric Chart of the Southern Ocean Project (IBCSO)</b>	First annual release of bathymetric data by IBCSO. Downloads for the type identifier (TID), the regional identifier (RID), the bed and ice bathymetric grid are available online.
<b>EDI Action Group</b>	SCAR EDI welcomed the SOOS EDI into their Action Group  Publication of the first SCAR Code of Conduct

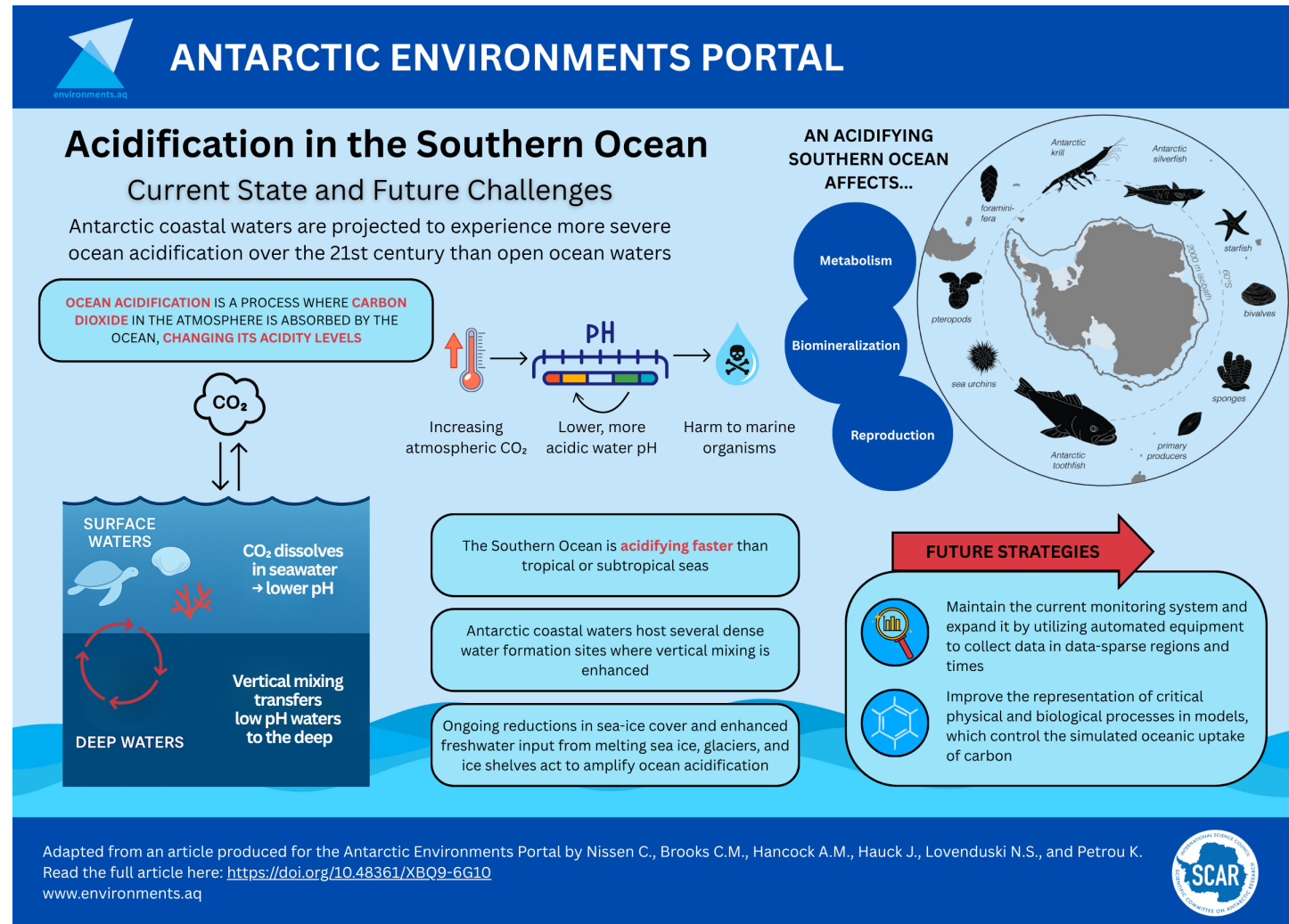


# Antarctic Environments Portal (environments.aq)

New AEP Editor, Dr Ryan Fogt and new Editorial Board

2024-2025 Publications include:

- Marine non-native species in the Southern Ocean and Antarctica, Halfter S., McCarthy A., Cárdenas L., and Hughes K. A. (2024) <https://doi.org/10.48361/KTPR-9K03>
- Antarctic Sea Ice #4: Record lows between 2022 and 2025, Holmes C., Doddridge E., and Fretwell P. (2025) <https://doi.org/10.48361/KVK6-ZX15>
- Acidification in the Southern Ocean – current state and future challenges, Nissen C., Brooks C.M., Hancock A.M., Hauck J., Lovenduski N.S., and Petrou K. (2025) <https://doi.org/10.48361/XBQ9-6G10>



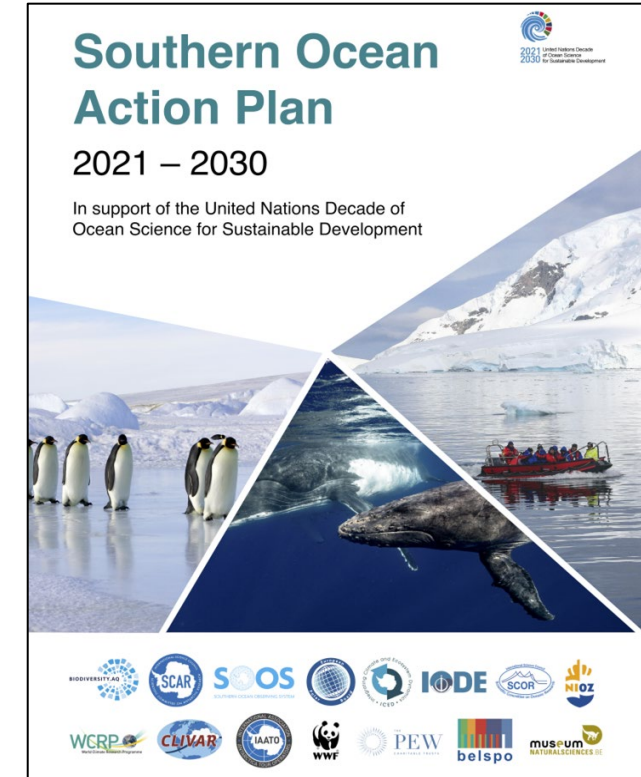
# SCAR and the UN Decades

## UN Decade of Ocean Science for Sustainable Development (2021-2030)

- SCAR coordinates the Decade Collaborative Centre for the Southern Ocean Region (DCC-SOR), which connects Southern Ocean science with global ocean science and coordinates existing Decade Actions for the region.
- The DCC-SOR continues to facilitate connections and opportunities for the wider Antarctic community to engage in initiatives already underway within the framework of the UN Ocean Decade, for example:
  - the Ocean Prediction DCC;
  - the UN Ocean Decade programme on “Revolutionising Global Coastal Ocean Observing and Forecasting”;
  - the Decade Action “Under the Pole”.
- Attended the Arctic Science Summit Week 2025 in the context of a session investigating the Arctic Ocean engagement with the Decade.
- In June 2025, representatives attended the United Nations Ocean Conference and participated in the events relating to the Polar Initiative project, the Polar Donors Roundtable and a workshop for DCC/DCO structures within the Decade.

## UN Decade of Action for Cryospheric Sciences (2025-2034)

- Aims to address the challenges associated with melting glaciers and changes to the cryosphere by advancing related scientific research and monitoring
- SCAR is a member of the Decade's Ad Hoc Committee



# 5th International Polar Year 2032-33

IPY-5 is an opportunity for many countries, institutions, and networks to coordinate their research, observations, protocols, and expeditions in the polar regions.

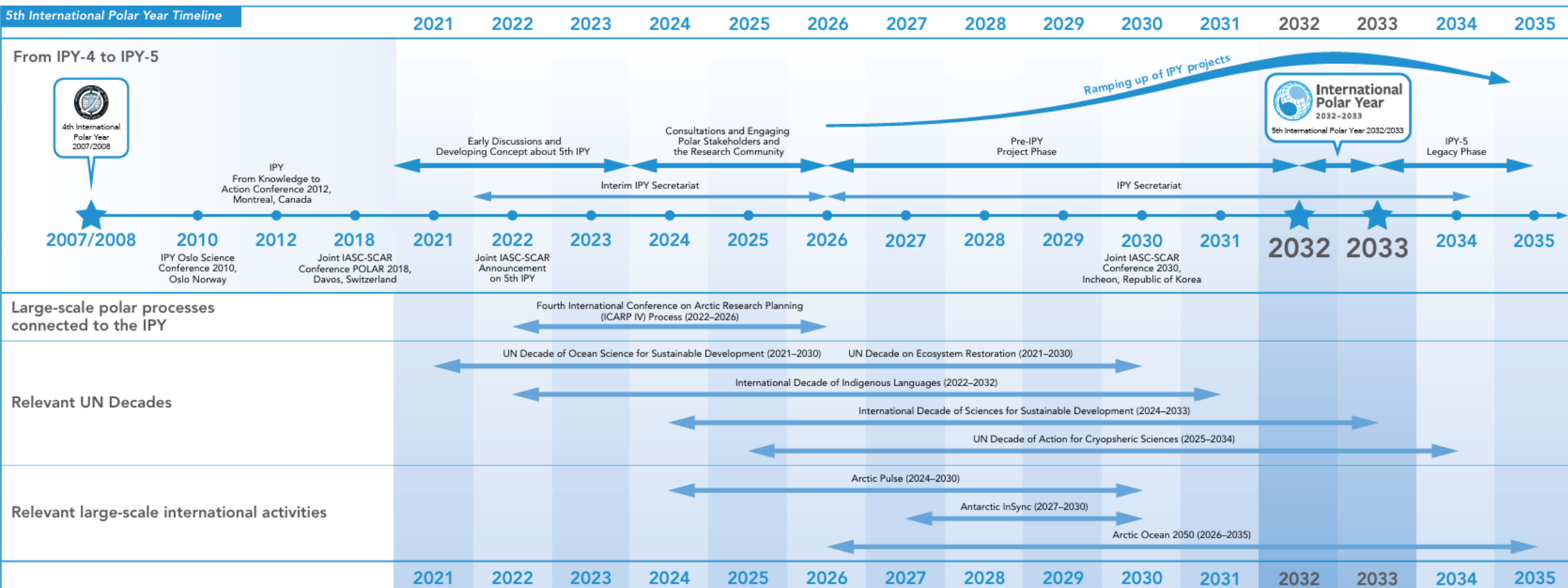
It will stimulate global and transdisciplinary coordinated research action among polar researchers, knowledge holders, rights holders, educators, and other stakeholders to produce urgently needed actionable information that will support evidence- and human rights- based solutions to local and global challenges.

The IPY-5 Executive Committee consists of: SCAR, International Arctic Science Committee (IASC), the International Science Council (ISC), and the World Meteorological Organization (WMO)

Website [www.ipy5.info](http://www.ipy5.info) managed by UArctic



# 5<sup>th</sup> International Polar Year



# 5th International Polar Year



## 5<sup>th</sup> International Polar Year 2032-33

## Organisational Structure

### IPY Executive Committee

Move planning efforts forward between IPY Planning Group Meetings and take overall responsibility for the direction and development of the IPY

**Members:** International Arctic Science Committee (IASC), Scientific Committee on Antarctic Research (SCAR), World Meteorological Organisation (WMO), International Science Council (ISC)

### IPY Planning Group

- Composed of representatives of regional and international organisations
- Meets twice a year
- Provides input, advice and overall direction for the IPY planning process and the IPY Executive Committee
- Prepares, presents and assists in taking forward specific issues to the IPY Executive Committee

### Members

(As of April 2025)

IASC	FARO
SCAR	IASSA
ISC	ICC
WMO/WCRP	ICED
UArctic	ICOMOS
AIA	IUGG
AFoPS	PCAPS of WWRP
AMAP	PEI
AnMAP	Saami Council
Antarctic InSync	SAON
APECS	SCOR
ASFF	SCOSTEP
ClIC	SIOS
COSPAR	SOOS
EPB	WRH

### IPY Task Groups

- Short-term groups working on a specific issue to address a strategic aspect of the planning process
- Members nominated by IPY Planning Group from their organisations or other relevant experts
- Report on their work to the IPY Planning group during their biannual meetings

Task Group 1: Visions and Priorities for IPY 2032/33

Task Group 2: IPY Indigenous Leadership and Involvement Coordination

Task Group 3: Country and Funders Involvement

Task Group 4: Capacity building and early career coordination

### IPY Interim Secretariat

- Setting up and coordinating Task Groups
- Administrative support for the IPY Executive Committee and IPY Planning Group
- Preparation of promotional materials and presentations
- Preparing update reports to meetings of relevant bodies
- Content management of the IPY5 website ([ipy5.info](http://ipy5.info))

### Staff

The IASC and SCAR Secretariats, along with staff from the International Science Council, are currently acting as an Interim IPY Secretariat until a longer term arrangement is put in place.  
[ipy-secretariat@iasc.info](mailto:ipy-secretariat@iasc.info)



# 5th International Polar year – Get Involved!

## Join the Programme Planning Group

- ❖ Regional or international organisations / unions / associations working on / in the polar regions, including organisations working to deliver/enable science in the polar regions (e.g. logistics) and committed to contributing directly and long-term to the planning of the IPY 2032-33
- ❖ <https://ipy5.info/news/calls-for-joining-the-planning-group/>

## Call for Bids to host the IPY-5 International Coordination Office

- ❖ <https://ipy5.info/news/calls-for-bids-to-host-the-ipy-5-international-coordination-office/>
- ❖ **6 February 2026 at 18:00 GMT:** Deadline to submit short Expressions of Interest letters (max. 2 pages) [via this form](#).
- ❖ The shortlisted bids will be invited to submit full bids by no later than **31 May 2026**.

## Call for national committees

- ❖ <https://ipy5.info/news/calls-for-national-committees-international-polar-year-2032-2033/>
- ❖ IPY-5 National Committees will coordinate local and national contributions
- ❖ Any country interested in contributing to the IPY-5 can set up a National Committee from October 2025.
- ❖ The committees should be active through the IPY-5 in 2032–33 and until at least one year past the conclusion of IPY-5.

## Project endorsements open yearly from spring 2026

- ❖ <https://ipy5.info/news/apply-for-ipy-5-endorsement-for-your-project-from-2026/>



# Upcoming Events – SCAR Open Science Conference 2026

## 2026 SCAR Open Science Conference, Business Meetings, and Delegates Meeting

8-18 August 2026, Oslo, Norway

## Call for Satellite Events and Weekend Workshops

Deadline for applications: 31 January 2026

<https://form.jotform.com/251563917385365>

Saturday 08/08 Side Meetings	Sunday 09/08 Side Meetings	Monday 10/08 Open Science Conference	Tuesday 11/08 Open Science Conference	Wednesday 12/08 Business Meeting
Thursday 13/08 Open Science Conference	Friday 14/08 Open Science Conference	Saturday 15/08 Side Meetings	Sunday 16/08 Side Meetings	Monday 17/08 Delegates Meeting
Tuesday 18/08 Delegates Meeting				



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# Keep in touch!

- Email [info@scar.org](mailto:info@scar.org) with any questions or to sign up to the SCAR mailing list
- Follow SCAR news and learn about SCAR via our website [www.scar.org](http://www.scar.org)
- Follow SCAR on X @scar\_tweets and BluSky
- Follow SCAR on Instagram @scar.antarctic
- SCAR Newsletter  
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- Upcoming Events  
<https://www.scar.org/upcoming-events/list.events/-/>

