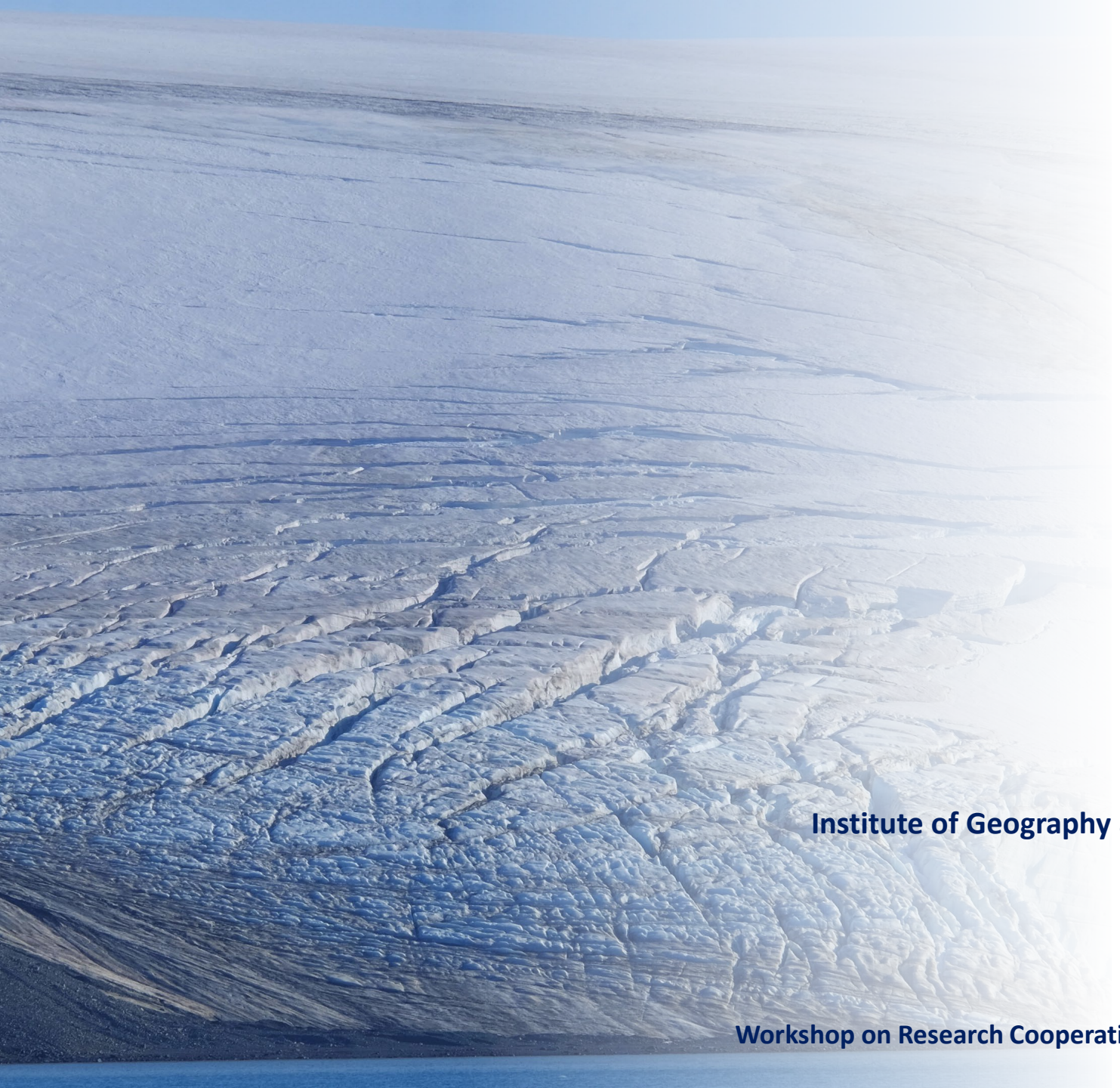


Portuguese Polar Research Priorities

Maria Teresa Cabrita

Portuguese Polar Program (PROPOLAR)

Institute of Geography and Spatial Planning (IGOT), University of Lisbon

Workshop on Research Cooperation from Pole to Pole, Portuguese Embassy, Washington D.C, U.S.A.

Portuguese Polar Research Priorities

- Establish polar sciences as a key area for national research
- Increase and strengthen polar research and innovation
- Facilitate access to polar regions by increasing Portuguese contribution to international polar logistics
- Increase participation, visibility and leadership in the national and international polar arenas
- Increase and strengthen international cooperation
- Promote and strengthen education and capacity building for the polar regions

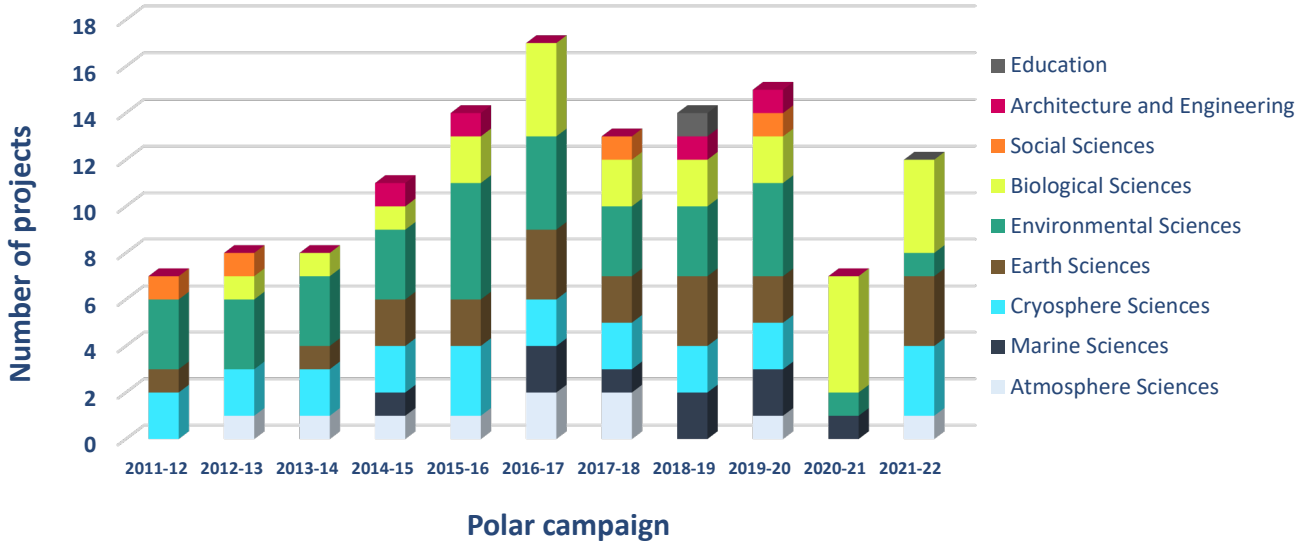
Polar science as a key area for national research

Focusing on key global or basic science issues

- Polar regions and the global system
- Observation, forecasting and climate dynamics, and response of polar environments
- Human impact, resilience of polar ecosystems and sustainable development
- Polar regions as technological laboratories

Polar science as a key area for national research

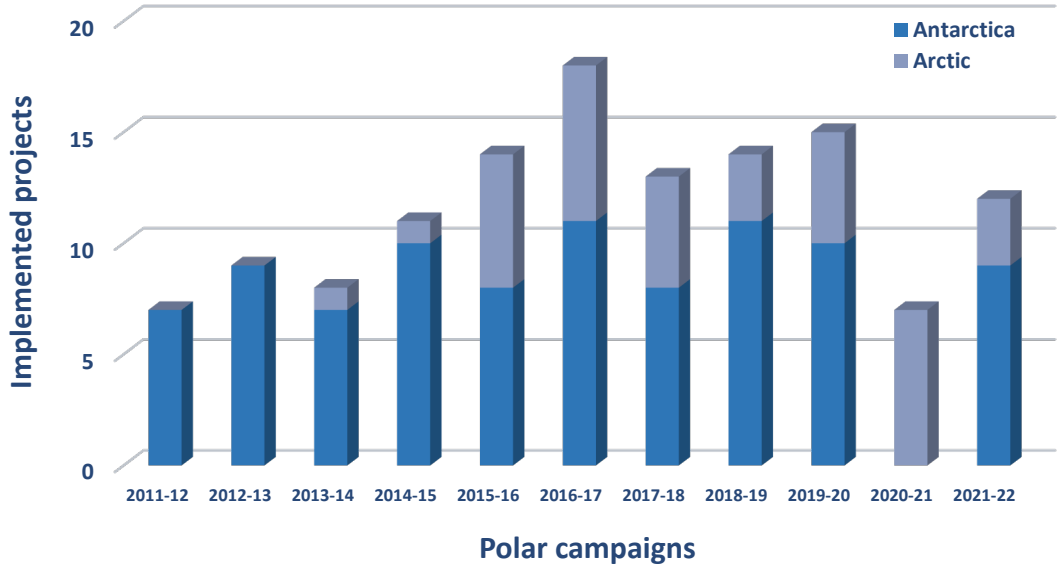
- From inland areas to the Arctic and the Southern Ocean, Portuguese research has been focusing on many research areas including atmospheric, marine, cryosphere, geophysical, biological and social sciences, and sustainable architecture for extreme environments



Polar science as a key area for national research

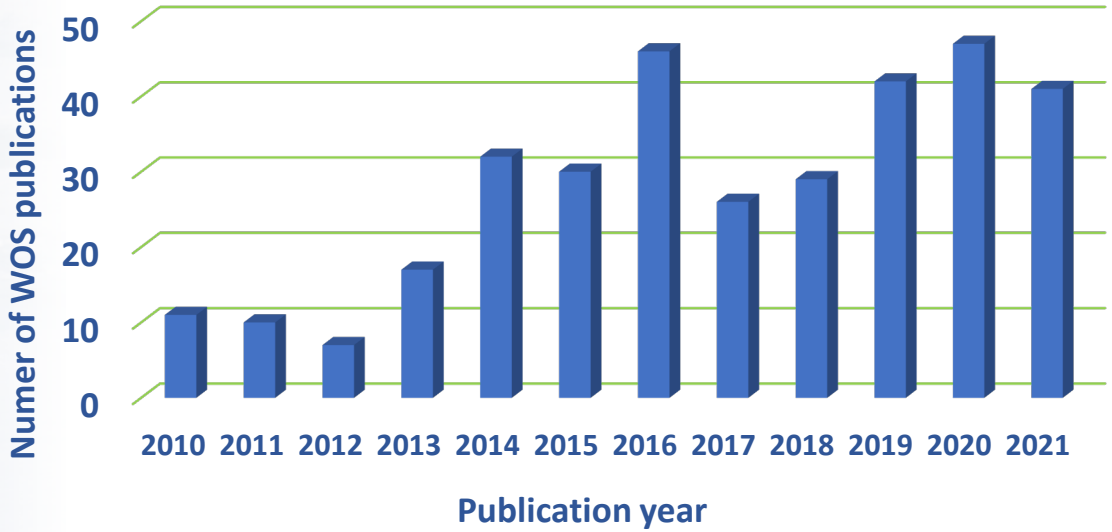
- Dedicated polar program, the Portuguese Polar Program (PROPOLAR) since 2011, hosted by IGOT, and working in close connection with the FCT- Polar Program

- Scientific projects being implemented annually both in the Arctic and Antarctica



Increase and strengthen polar research and innovation

- High publication rate



- Portuguese Conferences on Polar Sciences

XIII Conferência Polar Portuguesa
29 - 30 novembro 2021 CIIMAR - Porto

Increase and strengthen polar research and innovation

Alignment with policies for the polar regions

- European policy and strategy for the Arctic region
- AANCHOR - All-Atlantic Ocean Research Alliance Strategies

Increase and strengthen polar research and innovation

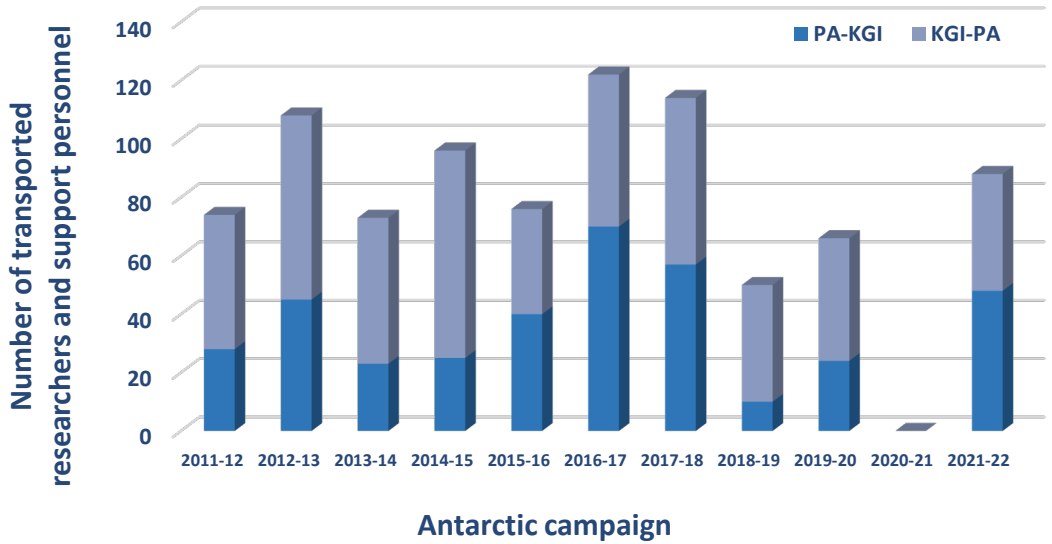
Envisioned tools for the future

- A long-term vision and integrated strategic plan for the Portuguese polar science is currently being prepared to provide clear overarching objectives and guidelines

- National call dedicated to funding polar research projects is key for the development of Portuguese Polar research

Portuguese contribution to international polar logistics

- Inbound and outbound flight between Punta Arenas (Chile) and King George Island, South Shetlands Islands Archipelago



- New initiatives to support and consolidate the polar logistics aligning with European Green Deal and policies on climate change (e.g. COASTANTAR mission taking researchers by sailboat to Antarctic coastal work sites)

Participation, visibility and leadership in the national and international polar arenas

IASC

SCAR

FARO

COMNAP

EUROPEAN POLAR BOARD

AIR CENTRE
ATLANTIC INTERNATIONAL RESEARCH CENTRE

EU-PolarNet

T-MOSAiC
Terrestrial Multidisciplinary distributed Observatories for the Study of Arctic Connections

Earth Observation, both in the Oceans and coastal processes in the Antarctic and the Arctic (e.g. ESA and H2020 projects in the Arctic)

Partner programs

British Antarctic Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

Bulgarian Antarctic Institute
Base "St. Kliment Ohridski"

国家海洋局极地考察办公室
Chinese Arctic and Antarctic Administration

Comité Polar Español

Dirección Nacional del Antártico
Instituto Antártico Argentino

INACH
Ministerio de Relaciones Exteriores
Gobierno de Chile

Instituto Antartico Uruguayo

İTÜ|PolReC

KOPRI
Korea Polar Research Institute

PERÚ Ministerio de Relaciones Exteriores

Programa Antártico Brasileiro
PROANTAR
CIRM

Programa Nacional Antártico-Perú

United States Antarctic Program
National Science Foundation

Increase and strengthen international cooperation

Increase and strengthen international cooperation

Working together to preserve and explore polar regions responsibly:

- Interoperability in logistics
- Maximisation of efficiency
- Minimisation of environmental footprint of polar missions

Education and capacity building for the polar regions

Looking forward into the future

Portugal with its Atlantic position and strategy and excellent relationships with programs from both polar regions, can be a vantage point for cooperation and knowledge transfer

Thank you for your attention!