



International
Science Council

Paper No: 14 Agenda item: 3.3

SCAR Standing
Committee
Persons
Responsible:

SCAGI

Prof Li Fei
Louise Ireland

SCAR Executive Committee Meeting 2023

Trieste, Italy, 15-16 September 2023

Standing Committee on Antarctic Geographic Information (SCAGI) 2022-23 Report

Report Author(s)

Louise Ireland
Li Fei

Summary

Meetings

October 2022 – SCAGI meeting held on Zoom.

Meeting report: <https://www.scar.org/scar-library/search/products/scagi/5860-scagi-meeting-report-2022>

17th August 2023 – SCAGI meeting held on Zoom

Meeting report: TBC

Major outcomes

In May 2023, SCAR was represented at the 3rd session of UNGEGN, where we presented the Principles and Procedures for Antarctic Place Naming. The report was well received, and the group encouraged all to refer to the principles and procedures when naming in Antarctica.

The Antarctic Digital Database coastline database has been updated twice this year, in November 2022 (v7.6) and in May 2023 (v7.7). Changes in v7.6 include updates to the Amery Ice Shelf front, ice shelves and glaciers east of Law Dome, and sections of coast and ice shelf around Abbot Ice Shelf and Pine Island Glacier. Changes in v7.7 include updates Brunt Ice Shelf, ice fronts on the east side of the Antarctic Peninsula, Pine Island and Thwaites Glaciers and the ice fronts and coastline around Charcot Island. Data quality checks were also performed to ensure existing features were categorised correctly around Getz Ice Shelf.

New editions of the Antarctic Air Operations Planning Maps were released for the 2022/23 season, and discussions have taken place to review the maps in terms of input datasets and cartographic styling.

Updates to the SCAR Composite Gazetteer of Antarctica (CGA). As of 10 August 2023, the number of place names in the CGA is 39,140 (2022: 39,136).

Updates to the SCAR Map Catalogue. The Australian Antarctic Data Centre continues to manage the application and content for the SCAR Map Catalogue.

Upcoming activities

A workshop will be planned for early 2024 to review the Air Operations Planning Maps to ensure ongoing consistency, appropriate styling and to discuss new data sources for inclusion.

Standing Committee updates since 2022 Delegates Meeting

What has been achieved?

Date	Activity

What lies ahead?

Date	Activity

Budget

Changes to planned use of funds for 2023 and 2024

Year (YYYY)	Purpose/Activity	Amount (in USD)	Contact Name	Contact Email
2023	Travel for SCAGI representation at UNGEGN meeting	2843.89	Cole Kelleher	
Total		2843.89		

Membership

Changes to SC Leadership since 2022 Delegates Meeting report

Role	First Name	Last Name	Affiliation	Country	Email	Date Started	Date Term is to End
Co-Chair	Louise	Ireland	British Antarctic Survey	UK	louela@bas.ac.uk	October 2022	

SCAR Fellowship Reviewers

First Name	Last Name	E-mail	Principal Expertise
Songtao	Ai	ast@whu.edu.cn	Professor of Geodesy, expertise on geographic information

Additional information (optional)

Outreach, communication and capacity-building activities

None

Notable Papers

Major Products

1. Antarctic Digital Database: seamless compilation of topographic data for Antarctica to 60°S. Consists of data downloads, and web map viewer (add.scar.org).
2. Antarctic Air Operations Planning Maps: Maps covering full air operations in Antarctic for planning flight operations. Compiled by UK, Australia, USA, Norway and Belgium.
3. Composite Gazetteer of Antarctica (CGA): compilation of all place names approved by all naming organisations of Antarctica. Consists of database and application.
4. SCAR Map Catalogue: compilation of Antarctic maps produced by SCAGI members
5. SCAR Feature Catalogue

Major Impacts

SCAR International Principles and Procedures for Antarctic Place Names Report published in October 2021 was presented at the 3rd Session of UNGEGN (United Nations Group of Experts on Geographic Names) in May 2023. The Group of Experts took note of the publication of the International Principles and Procedures and the effort made to encourage international standardization of Antarctic place names. The UNGEGN also encouraged all SCAR nations to reference the International Principles and Procedures when naming geographic features in the Antarctic and contribute named geographic features to the SCAR Composite Gazetteer of Antarctica.

Data update of coastline dataset in Antarctic Digital Database

SCAGI: 2022-23 Annual Report, cont.

Two data updates have been published to the coastline data in the Antarctic Digital Database, including major changes to ice shelves and fronts, including Amery Ice Shelf front, ice shelves and glaciers east of Law Dome, and sections of coast and ice shelf around Abbot Ice Shelf, Pine Island Glacier, Thwaites Glacier and the ice fronts and coastline around Charcot Island.

Continuation of Antarctic Air Operations Planning Maps

New editions were published for 2022/23 season. Project initiated by SCAGI in 2013 with aim to provide a consistent map series specifically for air operations with continent wide coverage.

Direct support from outside organisations received for your activities

None

Major collaborations your Committee has with other SCAR groups and with organisations/groups beyond SCAR

Within SCAR

None

Outside SCAR

None

Updates for your group's SCAR web page

We provide updated to the members list through the year as required. No other amendments are required at present.

Other information for publicity purposes