

SC-AGI

Standing Committee on Antarctic Geographic Information

- Created in 2006 (XXIX SCAR Hobart) from an Expert Group of GSSG
- . Intersessional Meeting (Oct 2007, B.A.)
- Meeting 2008 (XXX SCAR, St Petersburg)
- Next Meeting: Santiago, Nov 2009 ?

SC-AGI

Scope: to deliver a range of up to date Geographic Information products through its various Projects

Chair: H.Brolsma, Australia

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Membership: National Committees
appoint the official Representative.

26 Countries have already done it

<http://www.antsdi.scar.org/eggi/>

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Community Projects:

Antarctic Digital Database ADD

Composite Gazetteer of Antarctica CGA

Map Catalogue

Feature Catalog

King George Island GIS

Symbology Editor and Library SEAL

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- National Projects (SC-AGI encourages exchange of information and promotes unrestricted data access):
 - Landsat Image Mosaic Antarctica LIMA
 - Geospatial Information-Enabling Technologies
 - Cybercartographic Atlas

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- National Projects (cont.)
- Allan Hills place names map
- Antarctic Coastal Change Project
- Grove Mountains GIS Portal Project
- History of Aerial Photography in Antarctica

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- ADD
- BAS, SPRI, WCMC
- Longest running project (1990-93)
- Scale 1: 1 million
- Version 5
- www.add.scar.org
- Potential uses: pollution, resources, glaciers and ice-shelf, aeronautics, law of the sea, bioregionalisation, ASMAs and ASPAs, volume and drainage of lakes, coastline and biology, GIS and cartography.

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CGA

PNRA, AAD

Relationship to National Gazetteer

36006 Place names

18209 Geographic Features

(1st Jan 2009)

Web site refurbished, search capabilities expanded.

Harmonization with GEBCO.

SC-AGI

- SCAR Map Catalogue
- AAD
- Map references: 5652
- Digital map references: 640
- Countries: 26
- Visits to catalog (including robots): 2.8 millions/year

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- Feature Catalog
- AAD
- To create and manage a set of common terminology
- Better integration with GIS, ADD and Composite Gazetteer sought after.

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LIMA

USGS, BAS, NASA

1100 Landsat 7 (plus MODIS +
radar) satellite scenes (1999-2006)
digitally woven together

Cloud free image.

Framework IPY.

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- Antarctic Coastal Change
- USGS, SPRI
- Early 1970s MSS Landsat maps and subsequent (TM, ERS, MODIS etc)
- Continent covered by 23 maps, scale 1:1million, plus one map scale 1:5 millions
- Changes detected over 30 years
- Velocity of floating glaciers measured

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- Satellite Image Atlas of the World
- USGS
- A baseline study of the extent of glaciers
- Global coverage, up to 82° lat.
- Landsat MSS and RBV images, 1979-1981
- Antarctica, volume 2 of 11, 1988
- Completed in 2001

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- To be considered by SCAR jointly with COMNAP (Punta Arenas):
- KGI WMS-From Freiburg Uni. to KGI-Ownership and governance.
- CGA-Endorsment from SCAR, COMNAP, ATS-Google interested.
- World Aeronautical Charts for Antarctica-Most data already available.
- Hydrographic Surveying for charting Antarctic waters-Ships of convenience.