

**SCAR WG-GGI
PROJECT COORDINATORS MEETING
14 JULY 2001
Siena, Italy**

NOTES

Attendees: John Manning (Chief Officer - Australia), Janet Thomson (UK), Reinhard Dietrich (Germany), Cheryl Hallam (US), Jerry Mullins (US), Alessandro Capra (Italy), Roberto Cervellati (Italy), Jan Cisak (Poland), Fraser Taylor (Canada), Henk Brolsma (Australia), Steffen Vogt (Germany), Larry Hothem (US), Glenn Johnstone (Executive Officer - Australia).

The Chair welcomed members to the meeting and while waiting for some people to arrive from the ANTEC workshop the Chair opened up the floor to discussion on the SCAR Review.

SCAR Review

John Manning outlined his view on how the working groups might be restructured in the new SCAR. There was some discussion on what the member's preferences are.

The consensus view around the table was that GGI needs to stay as a permanent group with liaison to other research blocks in the new structure. Possibly a new name would better reflect the nature of the work – perhaps a change to “Spatial Information” or “Spatial Information Network (SPIN)” might be considered. It was also recognised there is a need for GI (including Geodetic infrastructure) to be a central component of the new structure, not boxed and put off to one side.

Action: Chair will put a position paper to Drew Clarke for consideration at the SCAR Transition Group meeting in mid-August in Amsterdam.

1. GEOGRAPHIC INFORMATION PROGRAMME

Greater detail on the status of these projects can be found in the notes from the Geographic Information Workshop, held over the previous 2 days.

Topographic Database:

Lack of funding from XXVI SCAR has meant that very little work has been done on the project. JT provided statistics on the ADD website.

Action: JT to send electronic copy of ADD flyer for inclusion on GGI website

FT said there may be an option for using the Cyber Atlas project to include an option for updating the ADD to Version 4 – also the 1:1M product for inclusion in the Global Map project.

Action: JT to get costings on an update of ADD to Version 4 to FT

Action: JManning to help with contact with Global Map regarding status of 1:1M product

There was also discussion on the possible extension of the ADD outer boundaries to include the CCAMLR region and sub-Antarctic regions. If the product was going to be used more widely outside SCAR (eg. by the ATCM, CCAMLR, etc) then it might be worthwhile to extend the existing boundaries.

Action: HB or JT (?) to investigate the requirements of users for an extension to the ADD boundaries to include CCAMLR and sub-Antarctic regions.

Place Names:

Roberto outlined the status of the project and the highlights of the work over the past year. Further information on the project can be found in a separate status report.

Spatial Data Standards:

HB outlined the status of the project and the highlights of the work over the past year.

LH said that there are couple of other ISO TC211 standards Spatial Referencing by Coordinates, Terminology and Geodetic Codes and Parameters that need to be examined for inclusion / compatibility with the proposed spatial data standards.

SCAR might be able to apply to ISO TC211 for Class A liaison status.

Action: GJ to investigate with LH on application for Class A liaison status

Map Catalogue:

Action: HB to ask if electronic updates from other countries can be directly inputted to the database, rather than making the corrections on-line.

Imagery Catalogue:

JMu outlined the status of the project, initial investigations have been made and a final report will be made at XXVII SCAR.

King George Island GIS:

SV outlined the status of the project. There has been a large amount of work been done on this. A web interface for the data will be available in the next month or so.

SV said that data from Russia has been difficult to get and requested John Manning and Reinhard Dietrich to approach Aerogeodezia next week in St Petersburg to see if there could be any data released for the KGIS project.

BKG will continue to support O'Higgins station for the next 5 years.

FT said there is an option for further funding of the KGIS through a Canada / EU funding stream. FT also said he has a number of good connections within China and Russia.

Action: FT offered to make further investigations on the availability on Antarctic / KGI digital data.

GIS Collaboration in East Antarctica:

HB said he's been liaising with Alexander Yuskevitch and a proposed work plan has been developed. Two projects – GIS in Larsemann Hills and Integration of Australian, Russian and Chinese Survey Data – have been currently identified. Some work has been done on both projects.

HB will be having discussions with AY next week in St Petersburg.

Bathymetric Database:

There was no report on this project from the Project Leader. Discussions on the topic ensued. The background / history on this subject was spoken about and FT made the comment you need to have very good communications between the topographic / coastline project and this one otherwise the combined topo/bathy dataset will be of little use to anyone. LH made the comment that probably the first 2 activities of the project may be achievable.

Action: Chair will go back to Project Leader to ask for a report.

Action: Refresh connections between IHO and GGI - Manning

Action: HB said AAD would work with the AHO and work up a proposal for an example bathymetry dataset for the AHO to take to the IHO.

On-line Atlases:

A brief background on yesterday's discussions was given by JMa, FT also had some input via questions from the floor.

The project was endorsed by GGI and the group would like FT to take forward his application for funding.

Action: Scoping statement will be written to help understand the linkages, circulated to all GGI members - Manning

There was some discussion on the name of the program – SCAR Cybercartographic Atlas of Antarctica – was settled on with the option to examine any changes over the next few months.

2. GEODESY (GIANT) PROGRAMME

Permanent observatories:

JMa gave a brief overview of the status of the project.

Action: Rothera and Patriot Hills GPS sites – Manning to follow up on getting data for Epoch campaigns.

Action: A new field showing "Observation data period" needed to be added to all Permanent Observatory pages

Zhongshan tide gauge was installed in 2000. New tide gauge installed at Scott base.

AC mentioned there is a possibility of putting in a permanent GPS marker near Cape Adare in 2002/3

Crustal Deformation Network:

1995-2001 data is now in the database at TUD. Approx 40 stations with 100 observation days.

RD showed the residuals and the velocities achieved from the 2000 campaign

SCAR ITRF 2000 coordinates are now officially available from the ITRF web site in France.

Action: SCAR ITRF 2000 coordinates should be promoted more on the GGI web site – GJ and Manning

Physical Geodesy:

AC gave a brief presentation on the status of the project.

Gravity Data collection has data from 1960 to 1985. Robyn Bell is hoping to have the ADGRAV database finally ready in the next few months. AC will be hopefully contacting Sasha Golinsky in Russia next week regarding the archive of Russian data.

Data availability for high precision geoid estimation – has not proceeded too well in the past year.

Airborne gravity project (helps with the geoid determination as well) - the funding submission with CK Shum to the NSF was not successful. There were also no funds forthcoming from PNRA in 2002-04

Satellite gravity data – a lot of simulations are available at the moment. CHAMP data is soon to be available – Expressions Of Interest have been called for to examine the initial data.

Action: Members to send information on physical geodesy work to GJ for inclusion on the web page.

Geodetic Database:

John Ritchie's paper will be examined at AGS'01 and circulated to GGI members for further comments.

Action: Members to comment on NZ proposal and consolidated comments to be forwarded to NZ for action by September 2001

Tide Gauge:

Shibuya's ill health has meant there has been no work undertaken on this project over the last year.

Atmospheric Impacts:

JC has received interest from Joachim Feltons (Chair of the IGS Ionosphere Working Group) in this project as he has been doing similar work for the IGS.

Joachim expressed the desire to be more closely linked with GGI – Action: Manning undertook to do this

JC also outlined the presentations he will be giving at AGS'01 on the work he and his Polish and Russian colleagues have done over the past 2 years.

New Satellite Missions:

RD gave a very brief report on new satellite missions for both the ICESat and GLAS projects. Validation and calibration exercises for both these missions are underway.

Remote Geodetic Observatories:

LH reported on the status of the project.

3. OUTREACH PROGRAMME

Action: Number of newly published maps sent to GGI representatives should be increased to 4

Action: GJ to send a copy of the GGI Funding outcomes from Tokyo to JT as well as the original funding proposal from Tokyo.

Action: All members to add details of new maps when they were published to the New Maps section on the GGI website

4. OTHER ITEMS

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| SCAR Review | Manning / Johnstone |
| SCAR budget and GGI Funding | Johnstone |
| French delegate to GGI | Johnstone |