



ADMAP-2 Workshop at ISAES XII - Sunday 12 July 2015

(convened by Detlef Damaske and Fausto Ferraccioli)

Agenda

1) Introduction

Damaske, D: Report on business meeting Auckland 2014

2) Presentations - Antarctic magnetic case studies.

Eagles, G. and Ruppel, A.: "German aeromagnetic work in Antarctica: recent and planned campaigns"

Quartini, E.: "Status of GIMBLE West Antarctic magnetics data"

Young, D.: "Status of ICECAP East Antarctic Magnetics"

3) Present the status of ADMAP-2 compilation and

a) post-ADMAP-1 magnetic surveys to be included in ADMAP-2

b) status & plans to implement and expedite high-priority regional compilations

c) the techniques required to process, assimilate, archive & release the data

Golynsky, A.: "Preliminary ADMAP-2: a new international magnetic anomaly compilation project - first results, achievements and problems"

Ferraccioli, F: BAS aerogeophysical surveys & data release portal

4) Identify the datasets that are still missing and/or incomplete! - how can we get hold of these data (in particular the unpublished data) for ADMAP-2?

5) Discuss the ADMAP-2 roadmap & products (map/database)

6) Interdisciplinary links - i.e. how to maximize the use/legacy of the data in the future

First call for a Special Publication on ADMAP-2- to be launched in 2016

7) Review of the meeting

8) Next meeting - SCAR Meeting 2016

9) AOB

List of attendees

- 1) Fausto Ferraccioli (UK - BAS) - ffe@bas.ac.uk
- 2) Detlef Damaske (Germany - formerly at BGR) - djdamaske@hotmail.com
- 3) Alexander Golynsky (Russia - VNIIO) - sasha@vniio.nw.ru
- 4) Jong-Kuk-Hong- (Korea - KOPRI) - jkhong@kopri.re.kr
- 5) Duncan Young (USA - UTIG) - duncan@ig.utexas.edu
- 6) Graeme Eagles (Germany - AWI) - geagles@awi.de
- 7) Enrica Quartini (USA - UTIG) - enrica@ig.utexas.edu
- 8) Jörg Ebbing (Germany - University Kiel) - jebbing@geophysik.uni-kiel.de
- 9) Anna Fioretti (Italy - CNR-IGG) - anna.fioretti@igg.cnr.it
- 10) Joachim Jacobs (Norway - University Bergen) - joachim.jacobs@uib.no
- 11) Andreas Läufer (Germany - BGR) - andreas.laeufer@bgr.de
- 12) Jesus Galindo-Zalvidar (Spain - University Granada) - jgalindo@ugr.es
- 13) Yasmina Martos (UK - BAS) - yasmart@bas.ac.uk
- 14) Antonia Ruppel (Germany- BGR) - antonia.ruppel@bgr.de
- 15) Fernando Bohoyo (Spain - IGME) - f.bogoyo@igme.es
- 16) Adolfo Maestro (Spain - IGME) - a.maestro@igme.es
- 17) Jeronimo Lopez-Martinez (Spain - University Autonoma Madrid) - jeronimo@lopez@uam.es
- 18) Laura Crispini (Italy - University Genova) - crispini@dipteris.unige.it
- 19) Karsten Gohl (Germany - AWI) - karsten.gohl@awi.de
- 20) Ricarda Dziasek (Germany - AWI) - ricarda.dziasek@awi.de

The main points raised were:

1) For the map compilation we (i.e. Sasha Golynsky as ADMAP data manager) still need the WEGAS data which are NOT upward continued (the continuation is particularly detrimental in the marine part but also for geological interpretation onshore).

Action: Graeme Eagles this week to meet on data that are still required from AWI

Done: Graeme (09 Sep) has now transferred all of the WEGAS data at acquisition level. Sasha (06 Oct) received the WEGAS data (not upward continued).

2) Though the Japanese-AWI data offshore are ok, there are still issues with the onshore data.

Action: Need to have Nogi's permission- can be done this week

Comment: Graeme (09 Sep) notes ongoing trouble with this - the onshore part of the data set has proved

3) Data collected by Karsten Gohl (Amundsen Sea)- check file- only sub-set currently available. Ricarda is working on these data. No problem to release by end of October.

Action/Timescale: Can be done by October and thus possible to integrate into ADMAP-compilation.

Done: Graeme (09 Sep) has found the project. Needs some data reduction before passing on to Sasha. Sasha (06 Oct) has got Karsten's data from the Amundsen Sea.

4) ASE- BBAS-AGASEA - data are still unpublished.

Action/Timescale: Fausto Ferraccioli to try and write up and pass on to Sasha Golynsky by end of October.

Note: During the meeting a hard deadline for including data in the ADMAP2 compilation was discussed. Given the financial support of KOPRI for the data manager which will run out in December a HARD DEADLINE was agreed upon for END-OCTOBER.

5) Isodyn - long lines are still unpublished.

Action/Timescale: Fausto Ferraccioli to try and pass on to Sasha Golynsky by end of October.

6) ICECAP- WSB radials are still missing.

Action/Timescale: Fausto Ferraccioli to try and pass on to Sasha Golynsky by end of October.

Comment: Sasha (06 Oct) notes that ICECAP- WSB radials are still **partly** missing.

7) GIMBLE survey over MBL.

Action/Timescale: Duncan Young said he would like to contribute the data for Kuala Lumpur meeting if possible.

8) ICEGRAV- 2011: These dataset should not have been released to Sasha Golynsky as it is unpublished - but somehow it got into NSIDC as part of IceBRIDGE data.

Action: This issue has to be clarified with Rene Forsberg. (but should not be an issue as the ICEGRAV 2011 and 2013 data will be merged in a single paper- see point 9).

Comment: ICEGRAV- 2011 - during the Goa meeting Sasha discussed this issue with Rene Forsberg and he had not any objections for including it into the ADMAP2

9) ICEGRAV 2013: Fausto Ferraccioli is working these up.

Action/Timescale: Fausto Ferraccioli will try and release these in a confidential way to Sasha Golynsky either by end of October or when Sasha visits BAS, possibly in February 2016?

10) RECISL AWI data collected in 2013-14.

Graeme Eagles noted that they could possibly go into the compilation

Action: Graeme Eagles will ask Angelika Humbert who was the PI if the data can be contributed.

Comment: Request made (Graeme 09 Sep). Angelika would like time to consider before deciding what to do about it.

11) RECOVERY Lines of AGAP project are not in the AGAP-data base.

Action: Ask Robin Bell to contribute/release these lines.

Done: RECOVERY lines of AGAP project - Sasha (06 Oct) states that he has them at his disposal.

12) In order to discuss and finalize (?) compilation for ADMAP 2 it was considered useful that Sasha Golynsky visits BAS for 1-2 weeks. During this visit he should also hand over a copy the complete acquired data base of the ADMAP2 compilation so that a spare copy can be stored at BAS.

Action: Fausto will ask at BAS if financial support is possible, and Detlef Damaske will check to see if SCAR-ADMAP funds will allow partial funding (flight St.Petersburg-Cambridge).

13) The layout of the ADMAP2 map was discussed. General agreement was to keep it similar to ADMAP1. However it was unclear as to how new satellite data may be included.

Action: Contact Hyung Rae Kim and Ralph von Frese on the status of the SWARM data for the compilation.

14) At SCAR XXIV in Kuala Lumpur, ADMAP2 should be ready and presented to the community.

15) A Release-Paper should be prepared (GRL- and/or G3). The paper could be similar to the gravity paper of Mirko Scheinert recently submitted to GRL.

Action/Timescale: a) Fausto Ferraccioli to show Sasha draft of Mirko's gravity paper as a template. b) Sasha Golynsky to prepare a draft well before the SCAR 2016 meeting. In the beginning of July 2016 Sasha will circulate the manuscript to the steering committee. The paper should be ready shortly after the meeting in Kuala Lumpur.

16) A printed version of the ADMAP2-map should be available shortly after the SCAR meeting in Kuala Lumpur. It was discussed whether a distribution similar to BEDMAP2 (i.e. at AGU2016, EGU2017) is possible.

Action: Fausto Ferraccioli will check with BAS on costs for printing (number of copies? 200-500?). After assessing the costs, Detlef Damaske will check on availability of SCAR funds for printing.

17) It was pointed out again that a data base is - apart from the map - a major outcome for ADMAP2. The advantage of early access of such a data base, e.g. for regional and continental projects/implications was stressed.

Database issues: The entire database is very large, how can the database be split? Shall this be realized by regions- contributors- surveys- partial compilations? Marine data should be all together kept in one data base.

Action/Timeline: Sasha Golynsky to make suggestions on how to break down the database and to circulate them to the Steering Committee by the end of December, 2015.

18) It was agreed that apart from the business meeting ADMAP will hold as one of the SCAR Expert Groups during SCAR XXIV in Kuala Lumpur (2016) a workshop similar to this one would be desirable. If this is not possible the option of an extended business meeting was discussed.

Action: Detlef Damaske will check into this with SCAR XXIV organizers/SSG-GS.

Done: Detlef (30 Sep) requested a side meeting in KL for a full day on Sunday, 21 August 2016.

19) It was agreed that for SCAR XXIV in KL ADMAP should not seek its own session but should look for an integrated session with the geologic community in line with the intentions SCAR Action Group Connecting Geology and Geophysics (AG CGG).

Comment: Detlef (08 Oct) talked to Joachim Jacobs (AG CGG); Joachim will request a side meeting of AG CGG also on 21 August with the idea to partly merge ADMAP and CGG meetings intending to draw a larger (joint) attendance.

20) Steering Committee membership: It was proposed that Graeme Eagles (as designated chairman) should become full member of the ADMAP Steering committee. As one of the major contributors and being actively engaged in ADMAP's activities it was suggested that Duncan Young also becomes member of the steering committee. There were also further expressions of interest to be included in the steering committee.

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