GO-SHIP Webex Minutes (20 August 2018, 23 UTC, Duration 80 minutes)

Attendance:

Toste Tanhua

Bernadette Sloyan

Rik Wanninkhof

Martin Kramp

Masao Ishii

Caroline Cusack

Jae Hak Lee

Steve Diggs

Kats Katsumatra

Greg Johnson

Elaine McDonagh

White Paper for OceanObs: "The Global Ocean Ship-Based Hydrographic Investigations Program (GO-SHIP): A platform for integrated multidisciplinary ocean science

Sections should be finalized by end August. Due date for final paper end September. 10 years outlook important, not only in conclusion. Societal relevance, ecosystems, user engagement: how will those be addressed by GO-SHIP. Faster availability of data?

Section 1, Introduction, Lead Bernadette, underway

Section 2, Achievements

- 2.1 Assessment of Ocean Change, Lead Lynne, no update
- 2.2 GOOS support and data products, Lead Kats, almost finished
- 2.3 Standards and Data Accessibility, Lead Rik, draft texted, now with co-authors

Section 3, Future Demands

- 3.1 Multidisciplinary, Lead Toste, draft texted, now with co-authors
- 3.2 Autonomous networks, Lead Greg, text drafted, now co-authors
- 3.3 SBP, High Level Products (link to 2.3), Lead Lynne→Bernadette, unknown status
- 3.4 International Coordination/Cruises, Lead Caroline, reviewed by co-authors, almost finished

Section 4, Summary, Lead Bernadette/Rik, not started

Clean Section Products

Kats provided access to files on google drive about a month ago and requested committee members to download and evaluate these products. He is waiting for feedback, in particular on the best format. Idea is to avoid multiple and repeated steps of correcting data for data users by providing such clean sections based on multiple CCHDO data files. Only CTD data were processed at this stage (T, S, DO, CT, SA only) but Kats will look into a way of linking them to GLODAP data in the next couple of months.

Details from Kats are as follows: An initial set of 7 sections (chosen arbitrarily) is available for testing at

https://drive.google.com/drive/folders/1zShX2kz6ZXuLtPJXe56Re4GgGTudxfvK?usp=sharing

with 'gridded' and 'reported' folders. The latter means 'ungridded' or station data with chosen stations to form a 'clean' section.

The formats for 'gridded 'data are
- ASCII (xyz, gzipped)
- binary (bin, GrADS like, see control file (.bin.ctl) for grid information)
- Matlab (mat) and
- NetCDF (nc).

The formats for 'reported' data are
- Matlab (mat) and
- WHP Exchange (_ct1.zip).

ODV and JOA users can read the WHP Exchange format by "import" or "open" of the respective software.

Action for EXG to provide feedback. Is this useful, and easy to use?

Action Rik to follow up with Kats before upcoming GLODAP meeting

Map updates / reference Sections

A9.5 / A10 / A10.5 all labeled A10 at the moment. Difficult to rationalize three zonal lines in the mid-latitude South Atlantic? A10.5 was connection of associated GO-SHIP lines in South America/Brazil and South Africa at 34 S (frequently repeated, but limited Chemistry), to a full 2017 GO-SHIP line with full chemistry, as Germany had ship time available. Evolution of program should be addressed (OceanObs?). Reference map remains for now unchanged.

Action Elaine, with Greg, Bernadette and Rik: contact principals and evaluate/discuss which line(s) make most sense in that area.

Cruise updates

National updates discussed and directly edited in google doc, available through go-ship.org

Action Toste, check with AWI for upcoming Polarstern GO-SHIP cruises

After 2022 cruises

US has review underway under auspices of US CLIVAR and US OCB which should be accomplished within 6 months, after completion this planning will be possible for US.

AU, Bernadette promotes P15S in around 2023,

Map for next decadal survey should be started. How to present this to outside world. EXG agrees that countries for now "keep" their sections in the future

JCOMMOPS system has been loaded with all available primary GO-SHIP cruises at CCHDO from lines on the present design. While it is hard to find a precise date for showing progress between surveys, such dates would be good to exploit the JCOMMOPS system/statistics capacities.

Action: Jae Hak will send plans from Korea on repeat cruises in Indian Ocean

Action: EXB will discuss hard dates for the first three decadal surveys, starting with WOCE.

SOCONET

Rik introduced the surface ocean CO2 reference network SOCONET and EXG agreed to support the creation of SOCONET as first variable oriented JCOMM-OCG network.

EXG meetings

Meetings should take place every 4 months per webex, next early December. More progress per eMail given the time-zone issue. A physical meeting should take place in 2019, ideally before OceanObs. UIGG and EGU were mentioned as possibilities

Action EXG: Send information on other community meetings (AGU...) to Martin in order to find best possibility for GO-SHIP piggyback meeting. Martin to compile the meeting information and send corresponding doodle to EXG

Action item list

Should be easier to access and should include target dates for completion

Action: Martin to provide suggestions for other action item list format.

Bibliography

US is considering using Google scholar, which is more dynamic, used widely by the science community, and better in statistics (or ,at least, provides higher counts) (corresponding metrics required in US) than Zotero but provides less metadata. Automatic population of bibliographies probably not a good idea. Identifying the use of GO-SHIP data in publications remains an issue, in particular in comparison with e.g. Argo. The US created a "virtual investigator" in Google scholar who now gains the credits for citations. Visibility on Google scholar for GO-SHIP could be of growing importance.

Action: Martin to provide comparison between the systems, EXG to provide feedback