

6th GO-SHIP Committee Teleconference

15 December 2016 21:30 – 22:30 UTC

Meeting Minutes



Participants:

Marta Alvarez (IEO, Spain)

Martin Kramp (IOC-UNESCO, JCOMMOPS)

Eleanor O'Rourke (MI, Ireland)

Greg Johnson (NOAA-PMEL, US)

Katsuro Katsumata (JAMSTEC, Japan)

Bernadette Sloyan (CSIRO, Australia)

Masao Ishii (JMA, Japan)

Toste Tanhua (Geomar, Germany)

Elaine McDonagh (NOC, UK)

Lynne Talley (SIO, US)

Rik Wanninkhof (NOAA-AOML, US)

(**Executive Group**, Co-Chair, *invited expert*)

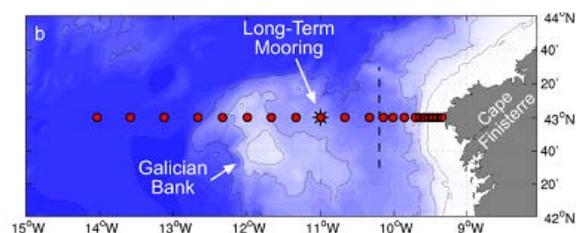
1. G7 Discussion update

5 actions were considered at 2.5 days workshop, 1 group worked on observations and sent out a number of request to various networks/user groups, including GO-SHIP. One of the results was that BGC observations should be pushed (in particular Bio-Argo, with GO-SHIP playing a critical role). It was strongly recommended to support networks such as GO-SHIP, and coordination activities. The funding of coordination and network activities from science budgets is difficult for some countries: more appropriate mechanisms must be identified. A G7 meeting in September in Italy will be the next important step.

2. Cruise update

Australia: Data from recent P15 cruise not at CCHDO yet, Bernadette is working on it.

Spain: Marta Alvarez introduced yearly cruise NW of Spain which matches with requirements for an associated GO-SHIP line and was first sampled in 2003; the line is already on the GO-SHIP reference map, but the position must be slightly corrected (**Action Martin**). Gliders will augment these cruises. Data must be processed and submitted to GO-SHIP data archives (**Action Marta**).



UK: SR1B has been occupied in 2016-17 season, A10 (A9.5) has been funded for 2018.

US: P18 first leg to Easter Island now underway. Second leg to ice edge in January 2017. P6 planned for mid-2017. Optimistic for I7N in 2018 (not occupied since 1995). S4P in 2018

Germany: Merian in January 2017 on multinational A10.5 GO-SHIP cruise, following 34.5°S (join boundary Brazil and South African Samba and SAMOC sections, respectively). This section is partly supported by AtlantOS. Med01 proposed for 2018.

Japan: JMA completed P9 in August, P13 in 2017 is funded. More JMA GO-SHIP cruises are hoped to take place in 2018. JAMSTEC has P17 planned for February; I7S and I8 are funded for 2019-20.

Ireland: A2 cruise will leave St. John in direction of Galway on 27 April 2017, arrival 23 May. Many international partners contribute. This section is partly supported by AtlantOS.

Group agreed that German 10.5 and Irish A2 cruises are good examples of international cooperation, that should be highlighted as a mechanism for increasing country participation in GO-SHIP.

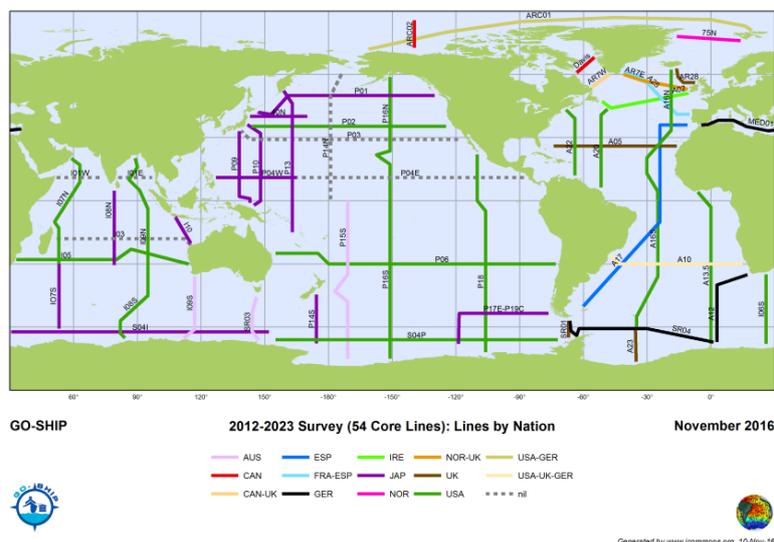
3. JCOMMOPS update

Martin showed latest developments in the JCOMMOPS system, for example, how cruise notification now includes the different parameters, how cruises can be queried and visualized. He also presented a methodology to calculate a floating network performance indicator that is independent from the elapsed time of the decadal surveys. This allows for a better comparison with other observing networks at any given time.

Martin requested assistance regarding the classification of GO-SHIP cruises (decadal GO-SHIP or High Frequency GO-SHIP in particular) and will work on this with concerned national representatives, or chief scientists if already nominated.

The JCOMMOPS database will be mirrored in the future on the GO-SHIP website and thus replace the GOOGLE spreadsheet that is currently in use there (**Action Martin**).

Martin presented a “GO-SHIP by Nation” map which had been requested by the US, the group decided that this map should be published on the GO-SHIP website (**Action Martin**).



Looking forward the cruise registration is under control, but populating the database with older cruises, going back till WOCE, represents a big piece of work (**Action Martin and Bernadette, with CCHDO**).

4. Review Hydro Manual

DOM, CDOM: Rik reported that he contacted Dennis Hansell and Craig Carlson for BGC Standards and Best Practices (SBP); they are willing to contribute but requested an overall template.

Underway data: Rik expects a draft to be ready by the end of January (**Action Rik**).

CTD: Bernadette reported that she discussed Australian data processing issues some days ago at SIO with Jim Swift and others. She, Lynne and Elaine agreed that they should meet in early 2017 to discuss CTD SBP. Corresponding (virtual) training classes should be considered, maybe with Seabird involvement. Progress should be made by mid 2017 (**Action Bernadette, with Lynne and Elaine**).

Nutrients/SCOR COMONUT: Toste is involved in a SCOR working group, and Susan Becker will review the corresponding part of the Hydro Manual, the draft should be available by mid February (**Action Toste with Susan**).

5. ADCP international Archive

sADCP: Two groups are now willing to archive international sADCP data, GOSUD (hosted by Ifremer in France), and the US group of Eric Firing and Jules Hummon. All GO-SHIP contributing countries should be notified accordingly. Data from the recent Australian P15S cruise will be submitted shortly as a test case. US data format should be recommended. Jules Hummon had agreed to review the corresponding chapter of the Hydro Manual; Bernadette will check the status with Jules (**Action Bernadette with Jules**).

The US data flows at a later stage into a NCEI “deep” archive for long term storage, but this repository is not set up for dissemination and discovery and therefore does not suit scientific purposes very well; GO-SHIP will advocate that sADCP data management should focus on the US and GOSUD archives, which ideally would be fully mirrored.

Lowered ADCP will probably require a dedicated Task Team for more progress. (**Action Bernadette and Martin, with Andreas Thurnherr and Jules Hummon**)

6. Clean Sections

In cooperation with SIO (Jim Swift) and AWI (Rainer Schlitzer) a cleaned-up 1-m T and S dataset from CTDs across the current GO-SHIP survey, and also former WOCE and CLIVAR surveys, will be produced in a standardized format. The project is driven by Bernadette, and aims to increase the value of existing data by better combining them and facilitating their use; Rik recommended to also look into efforts already done for bottle data as part of GLODAP for BGC data. Greg volunteered to contribute to this effort (**Action Bernadette with Greg, Jim and Rainer**)

7. Other Business

Meeting frequency: The group agreed that more regular teleconferences will be beneficial, with a goal of holding a meeting every 4 months. The next teleconference is scheduled for 5 April at 22 CET.

Coordinator funding: The present funding is not sufficient for a third time coordinator position as soon as AtlantOS runs out, and the corresponding JCOMMOPS infrastructure with IT staff must also be taken into account. GO-SHIP countries are therefore invited to contribute to the JCOMMOPS funding. The GO-SHIP chairs will drive this item, and discuss details with JCOMM OCG and country representatives (**Action Bernadette and Rik, with country representatives**).

CDIAC shut down: Toste raised that CDIAC has closed and no data can be submitted there anymore, a transition to NCEI is underway but there is no clear long-term perspective yet; a new BGC GDAC in Norway has been proposed and GO-SHIP provided a support letter, a decision is now expected within a few weeks. IOCCP will lead the BGC GDAC issue and get back to GO-SHIP if support is needed. GLODAP will have its own website in the future, as best access point for QCed data.

All action items from this and former meetings are available in an online spreadsheet; GO-SHIP members should submit updates on actions and cruises to GO-SHIP coordinator Martin Kramp as soon as possible.