



## **GO-SHIP Science Committee Webex**

**29 January 2019, 21:30 UTC, 100 min**

### **Participants**

Kats Katsumata, Mario Hoppema, Rik Wanninkhof, Caroline Cusack, Steve Diggs, Kumiko Azetsu-Scott, Elaine Mc Donagh, Emil Jeansson, Jae Hak Lee, Lynne Talley, Toste Tanhua, Masao Ishii, Bernadette Sloyan, Greg Johnson, Martin Kramp

### **Rotation of members**

Bernadette Sloyan rotated with Elaine Mc Donagh, Elaine is new Co-Chair, both remain members of executive committee. Toste Tanhua will rotate off the committee at Obs19, Mario Hoppema will become new representative for Germany. Elaine thanked the down-stepping members for their commitment.

### **Terms of reference**

Elaine Mc Donagh presented proposed ToRs for Committee, Executive Group and Coordinator. The ToRs had been circulated ahead of the meeting and comments can be submitted until 10 February, before a first version will be published on the GO-SHIP website. At this stage, no objections were noted or changes recommended by the members.

### **GO-SHIP 6<sup>th</sup> meeting**

The 6<sup>th</sup> face-to-face meeting of the GO-SHIP committee is now confirmed back-to-back with the opening of Obs19 conference in Hawaii, on Sunday 15 Sep 2019. Hosted by US GO-SHIP and sponsored by NOAA, the meeting will take place at the Hilton Hotel, next to the Obs19 conference center. Martin presented the meeting website on [jcomm.info](http://jcomm.info) and requested invited participants to confirm or decline their participation. Bernadette Sloyan will not be able to come, but she will identify a representative from Australia. Other people based in Hawaii that could be invited are from the US ADCP group or Chris Sabine as former co-chair. The size of the meeting room will be confirmed by 8 February, a minimum of 25 had been requested.

### **Action items**

Martin presented the action item list, which is now a trello board, it's query functions etc, and requested status updates as they become available.

### **OceanObs19 Community White Paper**

Bernadette Sloyan thanked everybody for the efforts; the reviews have not arrived yet, Frontiers is having trouble with finding good reviewers that do not have conflicts with cross-connections; the review is expected shortly, Bernadette will lead the follow up actions.

### **Indian Ocean CLIVAR White Paper**

Bernadette reported that there is small progress with this, but that a corresponding Obs19 CWP was submitted. One of the questions raised is the relevance of sections in the Northern Indian Ocean which have not been sampled for a while now. Bernadette will send present status to Elaine, who will attend an Indian Ocean Regional CLIVAR Panel meeting in March.

### **EEZ**

Rik reported on an IOC initiative with gathering information on EEZ issues from observing networks. Rik had requested feedback from the GO-SHIP community and then submitted a conclusion to IOC, in form of answers in a questionnaire. GO-SHIP community members all reported similar issues. Ideally GO-SHIP cruises would just require a notification of the corresponding countries, similar to Argo, without complicated procedures and approval processes. The investigation made clear that EEZ approvals are a big issue for GO-SHIP, with its shore to shore cruises. Martin mentioned that the issue will be raised in a WMO workshop on 5/6 February, he also mentioned statistics with regard to number of observations from other panels, e.g. at least 50% of all SOT observations are from inside EEZs.

### **Bibliography**

Martin reported that many items have been added since the last telecon, and that the Zotero bibliography is now (manually) synchronized with a Google Scholar repository, which has citation metrics; The group agreed that this is a good tool for the measuring of GO-SHIP data use which was in particular useful for the review of the US GO-SHIP program. Some 500 items are catalogued now. Metrics like these are of growing importance for observing networks.

### **Cruises**

Kats reported that JAMSTEC is under growing budget pressure, but all planned cruises should take place as announced, in part because they had already been published and promoted on the GO-SHIP website.

A13.5 scheduled for 2020 might become A10 because of present security concerns for the northern part of the section, and A13.5 will be sampled later, either 2021 or 2022. US will submit further updates as part of review process.

Elaine will send an update of the UK cruises.

Australia (Steve Rintoul) is working on proposal for further cruises on I9S, S3, P15S; Bernadette will share information as they become available.

All other cruises as in the GO-SHIP cruise table.

### **US GO-SHIP review**

Lynne Talley reported on the recent review steps. The program was reviewed during the partial US government shutdown. Government employees will be interviewed now, after the end of the shutdown. A report will be provided after a number of teleconferences, in a few months. As part of the review, a SWOT (strengths, weaknesses, opportunities, threats) analysis was performed by each subgroup of US-GO-SHIP. The review committee suggested to “think big”, and in order of planned sections as presently in US hydrotable. For the future of GO-SHIP, the Obs19 GO-SHIP CWP served as reference. Important points were a central data management, central tracking/coordination by JCOMMOPS, an overall project site and bibliography, more international integration, regular science/logistics workshops, incorporation of new measurements, and expanded relationship with BGC and Deep Argo. Differences in Level 1 measurements between US and int GO-SHIP were raised; Rik Wanninkhof mentioned that more Level 1 measurements might be an obstacle for int. GO-SHIP. The definition of EOVs could play a role in this matter.

US review committee stressed that opportunities for level 2/3 should be better advertised to corresponding PIs, maybe with an annual newsletter.

US-GO-SHIP would like to see a more centralized data management, in particular through CCHDO. The role of US-GO-SHIP in int. GO-SHIP found high interest by the review committee.

### **Float deployment sheet**

Kats agreed that this sheet can be used by the wider community, Martin will make it available. Such cross-cutting operations are already captured by JCOMMOPS, showing e.g. which Argo floats were deployed by which GO-SHIP cruise.

### **Gridded files**

Kats will report on progress in the next teleconference, as he was at sea for most of the time since the last meeting and could not work on this.

### **G7**

No particular action for GO-SHIP from last meeting in Ottawa. Research Vessel (RV) coordination was raised, leading to next agenda item.

## **EuroSea**

Toste Tanhua leads project which was submitted to EuroSea call and which comprises 160 000 EUR for staff, including (GO-) Ship Coordinator, which could be seen as EU contribution in this matter. Rik Wanninkhof thanked Toste for pushing GO-SHIP interests in EU projects.

## **Hydro Manual Updates:**

- Nutrients: Toste contributed to update which is presently reviewed by IOCCP and almost done; it will replace the present chapter from D. Hydes in the Hydro Manual.
- CTD/rosette protocols: Bernadette hopes to find time to work on this, with now less co-chair responsibilities. She will form a working group, including Jim Swift.
- UW TSG: Rik has draft version ready and will work again on this shortly.
- DOM: Rik was in touch with Dennis Hansell and Craig Carlson, a best practices manual is expected from them shortly, Rik will remind them, US-GO-SHIP is very interested in this. DOM is one of the differences between level 1 / 2 between int. and US-GO-SHIP. Feedback from int. community would be very welcome on contacts for DOC/DOM.

## **A10**

Rik Wanninkhof presented the document which discusses multiple lines in the South Atlantic between 25 S and 35 S: A9.5, A10, A10.5; Many committee and other community members contributed, Rik thanked all. Cruises in different latitudes should not all be labelled A10; A10.5 (connecting Brazilian and South-African associated lines) should not become a GO-SHIP line, it was a one-time GO-SHIP associated occupation in 2017 said the PI. The group was requested to provide feedback by the end of next week, otherwise the document will be published as is on the GO-SHIP website.

## **Endorsement documents**

The group should decide if issued endorsement documents (regularly requested from co-chairs and coordinator) should be open-access on the GO-SHIP website, and if success of these documents should be tracked; this will be further discussed in the next telecon.

## **Data Management**

Martin reported that metadata from all GO-SHIP labelled cruises in CCHDO have been loaded into JCOMMOPS by Magali while he was at sea. However, the available metadata do not permit an easy interpretation if the occupation of a line took place by a single cruise, or was performed as multi-cruise with individual expo-codes; in this case, all partial line occupations are presently counted as full occupation of the line; a new tool has just been implemented by JCOMMOPS which will be able to manage this issue, but most cruises must be reviewed again in this matter. Martin will report on the

progress at next telecon. CCHDO agrees with the way forward and will also work on an advanced API for the synchronization with JCOMMOPS, with increased compatibility. Steve said this should be up and running by Obs19.

SC members are national representatives for the GO-SHIP cruises run by their nation. They are requested to track the flow of data in the corresponding archives, national and international, and following GO-SHIP data requirements/timelines of the cruises under their purview.

The US Hydrotable is considered to be a good tool for viewing the status of US GO-SHIP data, an international version had already been brought up in former GO-SHIP meetings; the table allows for tracking per parameter and cruise, with color codes for the status, and names of responsible PIs. It is important that data requirement letters are sent out to PIs before cruises, and that reminders are sent afterwards; National Representatives should be tasked with this. Letters could be sent on an automated basis from the JCOMMOPS system if all cruise information are submitted to JCOMMOPS (including precise dates, parameters with PIs, etc) in advance of the cruise. Martin Kramp requested more support from the national representatives in this matter, and Elaine/Rik will provide a corresponding letter for national representatives.

National requirements for data submissions should be shared with the GO-SHIP Committee, knowing more details should facilitate some data management needs and procedures.

### **IOC Network Specification Sheet**

Rik Wanninkhof presented the latest version, which had been circulated before the telecon; Committee members are requested to review and provide feedback by 10 February.

### **JCOMM Report Card 2019**

Martin Kramp informed the committee that the next report card has been kicked off, and that community members are invited to submit feedback in a survey, and to participate in the editorial board. GO-SHIP, as JCOMM-OCG network, will provide a report and presentation to the next OCG session (April Indonesia), Rik is planning to attend and will circulate draft documents before the submission to OCG.

### **Next meeting**

With the idea of having at least 3 webex meetings per year, the next meeting should be scheduled before July.