



## **GO-SHIP Executive Group Webex Conference**

### **Meeting number 4, Minutes - Final Version**

**Date:** 9 April 2015, 23:00 (Paris summer time)

**Duration:** 2 hours

Attendance: Bernadette Sloyan (Co-Chair GO-SHIP), Rik Wanninkhof (Co-chair GO-SHIP), Brian King (Deputy for Elaine McDonagh, GO-SHIP Executive Group), Takeshi Kawano (GO-SHIP Executive Group), Martin Kramp (GO-SHIP Project Coordinator), Steve Diggs (CCHDO Data Manager), Jim Swift (CCHDO Director), Andrew Barna (CCHDO Programmer), Kuniko Azetsu-Scott (GO-SHIP Committee), Masao Ishii, (GO-SHIP Executive Group), Toste Tanhua (GO-SHIP Executive Group), Lynne Talley (GO-SHIP Executive Group).

#### 1. Introduction (Bernadette, Rik, Martin)

Bernadette, Rik and Martin welcomed all participants. The group reviewed the meeting minutes and actions from the last teleconference, and Martin presented in particular the GO-SHIP data requirements document, which is available on the website, and new design map, now including the Ellet line.

#### 2. Projects

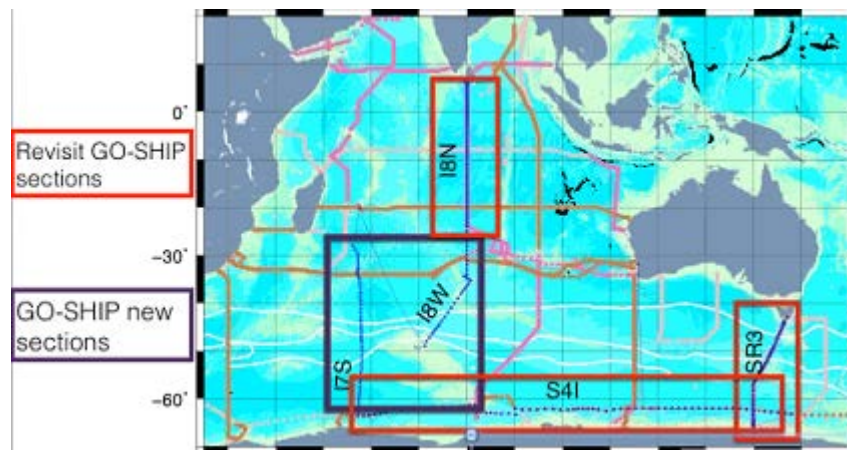
##### IIOE2 (Toste)

Toste reported that the initial IIOE2 science plan had been released, and that GO-SHIP did not have appropriate visibility. Bernadette, Rik and Toste worked on a document in this regard which has been

sent to Raleigh Hood. Raleigh agreed to work this input into the science plan. The implementation plan will be released later and GO-SHIP should now find an appropriate place. Someone from the GO-SHIP committee will be invited to join the IIOE2 planning committee. Given that the piracy situation in the I7N areas is getting better, Lynne reported that the US will probably revisit this line if nobody else does, but not in the current funding period. India is also planning to resume operations in the area West of India.

Lynne also reported on a project with Japan (JAMSTEC) in the framework of a 100 days shiptime proposal, including an extension of the I7 line more southwards (I7S), and on an extension of I8 to the Kerguelen islands (I8W) to fill the existing hole, and occupations of S4I, SR3 and I8N. The group agreed not to label the new lines as GO-SHIP before these cruises are really funded. Lynne will investigate the status of the proposal. These potential cruises have been mentioned in the text of the IIOE2 document submitted by Toste. Strong ties with IIOE2 and SOCCOM deployment needs were part of the scientific justification of this proposal. A project office will be opened in the US shortly.

Action 4-1, Lynne, Report on 100 days Shiptime proposal with JAMSTEC, next meeting



AtlantOS (Toste)

AtlantOS formally started on 1 April, with funding for 4 years, and aiming to improve the Atlantic Observing System. Toste leads the GO-SHIP part of AtlantOS, and the funding includes in particular staff for the coordination (150k€); it also comprises tracking and coordination of non-GOSHIP hydrography cruises which could be of interest for AtlantOS. Focusing on transient tracers, carbonate system and shipbased ADCP, a funded subtask for 2 laboratories is to propose upgrade solutions for two cruises each which do not measure all level 1 parameters. Toste requested feedback from the group which lines should be targeted for such upgrades. Ideally this should happen in the first few years of AtlantOS. Regarding timeliness and quality insurance for the delivery of BGC data of the ocean interior, another subtask has been funded (remote support). The coordinator was tasked to create a list with GO-SHIP cruises planned or formerly established in the Atlantic without transient tracers and/or carbonate system, and the group will then discuss which cruises would be of highest value for these upgrades.

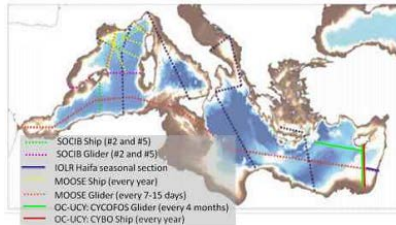
Action 4-2, Martin, gather Atlantic Cruise information with details on transient tracers, carbonate system and ADCP, next meeting

### 3. GO-SHIP Label (Kumiko, Brian, Toste)

It was discussed if cruises which do not fulfill GO-SHIP requirements (because they do not follow a labeled or complete line (“like”), or do not measure full depth full density and/or full Level1 parameters (“light”)), but nevertheless produce data of GO-SHIP quality, should gain a GO-SHIP “light” or “like” label, following a request from e.g. the Argo Steering Team (in particular for deep floats), and needs for AtlantOS. Cruises which do not measure all level 1 parameters, but are established on a line which is fully measured at least once in the decadal survey (such as Ellet, SR3, SR1) should be considered GO-SHIP (which was best practice in WOCE), but GO-SHIP should not become a tracker for all CTD data from hydrographic cruises in general. The discussion should be continued at the GAIC meeting. On the data management side, it takes a lot of resources to gather such meta data, and the information must be tracked as soon as data become available, otherwise the data trail becomes cold, and therefore CCHDO suggested to label these cruises for the moment as GO-SHIP affiliated until the group comes to a decision. The only important information is if the quality is of high quality. Rik and Bernadette agreed to create a questionnaire for the EXG on this topic, as input for GAIC.

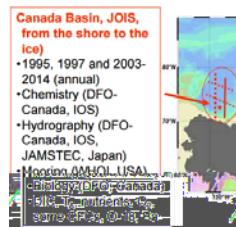
Action 4-3, Bernadette and Rik, create and circulate inside EXG a questionnaire on how to deal with data that do not fulfill all GO-SHIP requirements, before GAIC meeting

Line request: Central Med (Toste, follow up Hawaii meeting)



The group agreed to include the zonal MED line in the GO-SHIP portfolio, as MED01. Repeat planned for 2017.

Line request: JOIS (Kumiko)



The group agreed to include the JOIS line as ARC02 in the GO-SHIP portfolio, and asked Kumiko and CCHDO to check that all data go to CCHDO.

Action 4-4, Martin, incorporate JOIS and MED lines in GO-SHIP design, asap

Action 4-5, Kumiko, verify that JOIS data are submitted to CCHDO, next meeting

#### 4. CCHDO (Jim, Steve)

Due to some issues with the google tool used by now at CCHDO, some changes are underway which will impact the way users browse the available data, with improved stability. Downloading “global” GO-SHIP data was requested by the group to avoid filling the shopping cart line by line. Such a function should become available by the summer, together with other functions to bundle data (e.g. by decadal survey). The chair requested that all repeat hydrography cruises (WOCE, CLIVAR, GO-SHIP), whenever they have been established, should have the GO-SHIP label, maybe with an additional information and query option on the historical background and survey.

**Action 4-5, CCHDO, develop tools to collect global data easier (bundled), label (or co-label) cruises from all former and ongoing survey as GO-SHIP, next meeting**

Regarding the tracking of data submission to CCHDO in a timely manner, the US hydro program has a half time person occupied with this task for the national program. There are no resources at the moment to do this at an international level, in particular given that contacts and details of non US cruises are more difficult to find out. The latter are gathered by the GO-SHIP coordinator, and a support request from the GO-SHIP chairs to NSF could help getting the necessary resources to do this post-cruise data tracking for the international program, in close cooperation with the GO-SHIP coordinator. All tools used by CCHDO for the US program could be used for the international program. The chair will send a support request to NSF.

**Action 4-6, Bernadette and Rik, send support request to NSF aiming to track data submission to CCHDO in a timely manner with additional CCHDO resources, next meeting**

#### 5. Programme Office / JCOMMOPS (Martin)

The new JCOMMOPS office was inaugurated on 18 March in Brest and is now hosted by Ifremer. The new JCOMMOPS website is under development. It was suggested to keep the GO-SHIP website as a landing page for the wider community, but to pull all operational information and tools into the JCOMMOPS system. The bibliography would need a more pro-active and regular search for new publications using GO-SHIP data, but resources for such a pro-active search are limited (in particular compared to Argo, with a full time JCOMMOPS coordinator, and additionally the Argo office staff at SIO who manages the Argo bibliography in such a pro-active way). The community should be reminded at every occasion that such information, and all other GO-SHIP related news, should be sent to the coordinator. The chairs will discuss if a GO-SHIP newsletter should be published, and in what form. Martin presented the current cruise table, and the group then reviewed and updated the table.

**Action 4-7, send bibliography and all other GO-SHIP news (cruise planning and establishment, meetings) to the coordinator, GO-SHIP committee, ongoing routine**

**Action 4-8, Bernadette and Rik, discuss GO-SHIP newsletter, next meeting**

**Action 4-9, Martin, publish updated GO-SHIP cruise plan and design, asap**

## 6. Meetings

At the JCOMM Observations Coordination Group (OCG) and Ship Observations Team (SOT) meetings in April in Cape Town, the chairs and the Coordinator will represent GO-SHIP. Performance measurement of the observing system will be one of the main items of the OCG meeting.

Bernadette will hold in a few weeks and IOC Webinar on GO-SHIP as part of the observing system. She will send a draft presentation to the EXG for feedback.

**Action 4-10, Bernadette, send information and presentation for IOC Webinar to the EXG, asap**

Bernadette will also report on GO-SHIP at the Blue Planet Symposium in Cairns, Australia, 27-29 April.

For the GAIC meeting, regarding facilities everything is booked and confirmed, needed are now lots of participants and abstracts. The Deadline for abstracts is at end of April, many abstracts are expected to arrive close to this deadline. 70 people confirmed interest in the meeting on the website, 35 people are formally registered, 6 abstracts have been submitted. Reminders will be sent through the different mailing lists to the community in the next week. Everybody should be encouraged to participate.

**Action 4-11, Brian, send GAIC reminder to the community through mailing lists, mid-April**

Lynne reminded the group that the deadline for session abstracts for the 2016 ocean sciences meeting is also very close: 29 April.

The group suggested setting up a GO-SHIP committee meeting on the Monday of the 2015 GAIC week (14 September), given that no sessions take place that day, only the icebreaker in the evening. Martin will investigate possibilities, Brian proposed to establish contacts, rooms should be available at the marine institute, or at the GAIC venue hotel.

**Action 4-12, Martin supported by Brian, investigate possibilities to hold GO-SHIP committee meeting in Galway on 14 September, and query committee availability, asap**

## 7. Office Funding (co-chairs, all)

The Chairs reminded the group that funding of the office is an ongoing issue. The international program clearly benefits from the office. Australia contributed twice, the US do now on a yearly basis (10k USD) as part of the global JCOMMOPS contribution, and substantial funding will now come through AtlantOS (EU), but it would be highly appreciated if more nations could contribute at least a small sum. The chairs will discuss this further with particularly Japan at the upcoming OOPC meeting, following up on the discussions in Hawaii. A document would be helpful showing what the requirements are and how nations can contribute (IOC, WMO, CLS; panel or JCOMMOPS labeled). The chairs will work on such a guidelines document, probably also at the OOPC meeting, and thereafter possibly talk directly with national representatives.

**Action 4-13, Bernadette and Rik, create document on funding requirements and procedures, and talk to national representatives, next meeting**

8. International peer reviewed GO-SHIP paper, based on US white paper (Lynne)

The aim is to publish in Annual Reviews on Marine Science (ARMS), contacted by Lynne, who drives the project and requested input from the group. After looking at the US white paper, ARMS commented that the article must respect a couple of guidelines, be much more science focused, and there is a page limit. Submission deadline is formally at the end of April, absolute limit (type setting) will be in June. Lynne will provide a link to a drop box, with administrative and scientific pieces for the project, and then ask people to help on relevant sections or to review the total. The word limit is 9000, the article currently has 18000 words but this includes a lot of organizational content. Each figure counts 300 words. ARMS will provide support for graphics. The review will be published in January 2016, but the article will be available before elsewhere. The initial article focused on heat and carbon; ARMS commented that oxygen and nutrients should play a more important role.

The group thanked Lynne for driving this publication and agreed on the strategy. Given that the article is about global developments, but based on a US white paper, contributions and feedback from the international community will be highly appreciated to achieve a more international flavor.

Action 4-14, Lynne, manage ARMS publication, June