



## GO-SHIP Committee Meeting Minutes

3 December 2020, 9 pm UTC

### Participants:

Kumiko Azetsu-Scott, Caroline Cusack, Elaine McDonagh, Emil Jeansson, Yvonne Firing (for Penny Holliday), Jae-Hak Lee, Katsuro Katsumata, Lynne Talley, Mario Hoppema, Masao Ishii, Mike Williams, Rik Wanninkhof, Bernadette Sloyan, Greg Johnsson, Martin Kramp

### **1) International Situation and plans (Nat. Representatives)**

Spain: A10.5 tentatively rescheduled to fall 2021. Associated Radprof line planned in July 2021.

Australia: Had no GO-SHIP cruises planned in 2020, plans still up to date on website; associated EAC line will have limited CTDs in 2021 because of Covid, moorings are priority.

New Zealand: Not much done, no GO-SHIP lines occupied by NZ. RVs with full capacity maintained after rigorous Covid lockdown.

Germany: No GO-SHIP delays in 2020 because no cruises were planned. A12/SR4 planned March-May 2022 instead 2021. MED-SHIP cruise planned in 2022 in western Mediterranean Sea (Toste Tanhua, repeat of 2016), no updates on clearance situation in eastern Mediterranean Sea.

Canada: All 3 lines and one associated line completed in 2020: AR07W, ARC2, Davis, Line P. Delay of the cruises, conducted with Covid-related limited capacity (# of scientists on board, parameters), lost stations (limitation to access close to land), lost research days due to the change of the port, single cabins instead of double because of sanitary situation.

Ireland: No delays for A02 as no cruise was planned in 2020. The 2021 annual meeting of the ICES Working Group on Oceanic Hydrography will be held in Galway, Ireland from 13-15 April 2021. Martin could attend to investigate synergies between GO-SHIP and the WGOH, e.g., connecting WGOH metadata and data links with OceanOPS.

Norway: 75N now renamed A29; 2019 partly covered, high frequency; not all former occupations labelled GO-SHIP in CCHDO, discussion underway.

UK: Ellet/A28 delayed to October but completed. Drake/A23 done before crisis, next in January 2021 with reduced science party, A5 done in February 2020 completely.

Korea: All Indian cruises were cancelled, planned next year spring 2021 but great uncertainties.

Japan: Jamstec preparing P1 in July/Aug, but unclear with Covid. JMA cruises resumed in July, but P3 postponed, hopefully next year; P4W will be cancelled for 2021 but tentatively rescheduled for 2022.

USA: New funding (6 years) was approved, through 2026: Under old funding in early 2021: A20, A22. New funding: I05, A13.5, P02, P04E, A16, I08S, I09N, P16, S4P, ARC01, P06. Whole program still to be updated on go-ship.org website / OceanOPS. Cruises through 2022, that are most likely scheduled, are on usgoship.ucsd.edu, under Cruises and Data.

A13.5 was attempted during the beginning of pandemic shutdowns. Only 8 stations, and 6 BGC Argo floats for SOCCOM. CTD and beginning of bottle data file (autosal salinity only) are on CCHDO: <https://cchdo.ucsd.edu/cruise/33RO20200321>. A20/A22 are scheduled for March-May 2021 on Thompson, CS's Woosley and Menezes, pandemic restrictions in place, but full program will be carried out, reduction in ancillary.

## **2) OceanOPS / Program Office (Martin)**

Presentation of [2020 Reportcard](#), renaming from JCOMMOPS to OceanOPS and [5-year OceanOPS strategy](#); the TC requested the Committee to submit any GO-SHIP data-based publications to OceanOPS, for [GO-SHIP bibliography](#) updates.

## **3) Data Management Strategy / Team (Elaine)**

Discussion with Committee members continued after OceanObs19 over last few months, building a task team to look at all data related actions that piled up. Group should decide on its scope. Other National Representatives will be contacted in upcoming months, volunteers highly appreciated in addition to the already established core group. With BGC Argo group growing, look at common issues in this matter. There was a discussion on the stringent requirements for timeliness of GO-SHIP data submission which at present is not really monitored. Canada guideline 2 years. It was emphasized that GO-SHIP data are sustained observations that are widely used, and that maintaining timeliness of submissions for public use is vital to building and maintaining stakeholder buy-in, and maximizing science use of the data, all of which benefit society and the program. National programs that have trouble meeting submission and publication timelines hopefully can use the reasons for and benefits of these requirements in requesting additional resources to meet the requirements.

## **4) Working groups (Caroline, Rik)**

Rik reported on review of OBP paper on dissolved organic matter (DOM/DOC)? German review should be done by 4 Dec. *Post-meeting 5 Dec: GO-SHIP review submitted to authors with request to incorporate suggestions.*

Caroline reported on progress with CTD operations and rosette sampling BPs and presented status of draft documents:

- “CTD Operations” is [HERE](#) – looking for GO-SHIP committee experts to review and provide feedback (by end January). Bernadette agreed to help here. Second reviewer will be organized by Chairs and TC
- “Sampling from the Rosette” is [HERE](#) – less developed, experts needed for some of the parameters to help the group.

The following questions were raised by the working group:

- For the “Sampling from the Rosette” Is it okay to do just Level 1 parameters? Or should we also include some parameters from Level 2 and 3? The Committee recommended to ask for feedback from scientists that have done L2/3 on recent cruises if they are willing to contribute.
- Do we refer back to the 2010 manual? Or is this a rewrite? Susan Becker recommends that we reference the relevant 2010 chapters.
  - Example: Dissolved Oxygen (GO-SHIP 2010 manual – reference Langdon or Can we reference Dickson as he is clearer?)
- [CCHDO instructions Data submit guide](#) (Swift 2008, is there a more up to date guide?)
  - CCHDO 2008 document recommends labels have CRUISE/STATION/CAST/SAMPLE – how can all this fit on the bottle when sampling
  - Is the Bedford number system NOT TO BE RECCOMENDED?
- Can we submit to Ocean Best Practices as a paper? If yes, do we first submit there and then put chapter on the GO-SHIP website.

The group will address unanswered questions in the intersessional period and then discuss these matters in the next meeting.

## **5) Capacities to sample trans. tracers at int. Scale**

Discussion started with US review: who has these capacities? US resources limited with Covid, other countries never had the capacity (and relied on US to complete them, e.g. Australia) NZ has not. Norway has (Emil), but also limited. UK has capacity but maybe not following GO-SHIP timeline. Germany has some capacity (Uni Bremen, Geomar Kiel) but not always available for GO-SHIP lines. Group agreed to discuss way forward in next meeting.

## **6) All other business**

Discussion how GO-SHIP activities should be visible as contribution to Ocean Decade, with suggested focus on OO19 paper (driven by Bernadette). How to submit projects? AST does own proposal, GOOS has some underway, including on integrated system, into coast, stakeholders. Chairs and TC to investigate procedure. *Post-meeting: [this](#) was published on 17 Dec.*