



## GO-SHIP Committee Meeting

9 Sep 2022 at 13 UTC

Attendees: Elaine McDonagh, Martin Kramp, Are Olsen, Kumiko Azetsu-Scott, Caroline Cusack, Mario Hoppema, Honghai Zhang, Masao Ishii, Yvonne Firing, Katrin Schroeder, Leticia Barbero, Alison Macdonald, Greg Johnson, Alonso Hernández Guerra, Maribel I. García-Ibáñez, Kats Katsumata

Apologies: Emil Jeansson

### Minutes

Welcome to Honghai, China.

#### National updates

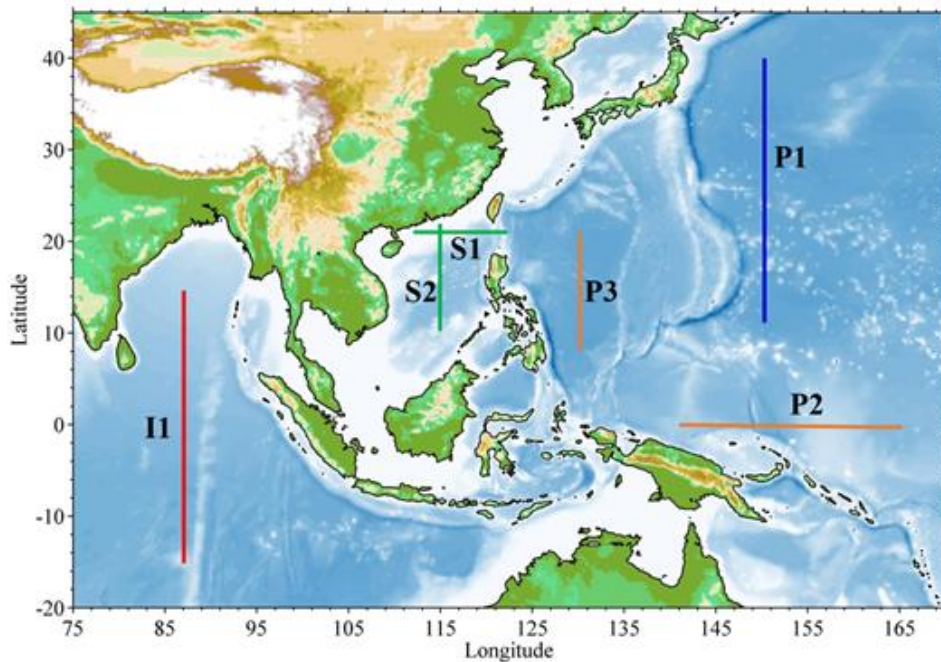
Norway: successful cruise in May-June, in the Norwegian and Greenland Seas, with R/V Johan Hjort. Data QC in process (A29). Next 3/5 years

Canada: AR7W (May, completed), Davis Strait (Sep –Oct), ARC02 (Sep -Oct) , Line P Winter (March, completed) , Spring (May, cancelled), Summer (August, completed) , AR7W, ARC02 and Line P are scheduled to go next year. The next full GO-SHIP cruise at Davis Strait is scheduled in 2024.

Ireland: A02 not planned for next few years (due in 2026). Associated line occupied and sampled in Apr/May 2022 (# yet to be assigned).

Germany: A12/SR4 as reported, few stations on A12 (time constraints). Proposal for next cruise in 2024/25 submitted

China: Willing to contribute to GO-SHIP, Honghai will send map with lines, 4 regular lines [L1-P1: along E150°, from N42° to N12° ; L2-P2: along the equator, from E142° to E 163°; L3-P3: along E130°, from N 1° to N8°; L4-I1: along E87°, from N15° to S15°]; repeat every 2 to 3 years; request to assist how these cruises could fit into GO-SHIP.



Japan: JMA: P9 underway. P13 planned 2027. P4W cancelled. JAMSTEC P14N Oct-Nov 2023

UK: Partial AR28 (Scotland – Iceland basin) completed in July and physical data submitted (nutrients, carbon still to be analysed). Revision to cruise plans: Subpolar North Atlantic: UK is no longer planning to do the complete AR7 (57 N) in 2023 or at all this decade. Instead AR28 (Extended Ellet Line) would be occupied in 2024 (by extending/expanding measurements on existing planned OSNAP cruise). This leaves out AR7W and the Iceland-Greenland leg (though OVIDE is near the latter). SR1b (Drake Passage): No funding for high-frequency repeats currently. The trials cruise for the RRS Sir David Attenborough in Feb-Mar 2023 will attempt to occupy as much of the section as possible.

Tentative plans for next round of funding:

SR1b 2026

A09.5 (24 S) 2028

A05 (24 N) 2030

Italy: Med north-south sections successfully done on new Belgica. Physical data submitted to open repository, not yet CCHDO (waiting for chemical data), repeat planned in 4 or 5 years . E-W section planned 2025 or 2026 (last 2018)

US: P2 was successfully completed in 2022, including the BIO-GO-SHIP pilot program, but A13.5 was delayed indefinitely due to Covid-related ship staffing and mechanical issues on the NOAA Ship Ronald H. Brown. Bio-GO-SHIP good experience! Plans for 2023 include A16N (cruise on the NOAA Ship Ronald H. Brown) and I5 (NSF-led cruise on the R/V Thompson). P04E is also on indefinite hold. Tentative plans for 2024 include I08S/I09N, and either A16S or A13.5 (pending NOAA ship charter options since the Ronald H. Brown will be undergoing a mid-life refit).

Spain: A10.5 earlier this year as reported. No permission on west side (Brazilian clearance). Ship time for 2023 for western part (april). A25 to be checked with France

Methane and DOOS: Working group is meeting to work towards making methane an EOv, including sharing documents different people are working on (methane SOPs, methane as EOv, etc). Group is meeting every 2 months or so.

Euro-GO-SHIP: Granted, now in admin process to start formally end of the year. Includes more hydrographic cruises than in int. GO-SHIP program

- **O2. To demonstrate the feasibility of providing new user facilities and technologies within the framework of a cross border model linked to the ERA ambition.** By the end of the project, we will have:
  - KPI-2.1 determined the requirement, cost and possible supply models for new user facilities including:
    - a. Specialist analytical capabilities to measure key parameters, such as transient tracers and low concentration nutrient analyses
    - b. Certified reference materials (CRMs) for nutrients and inorganic carbon
    - c. Training in at sea operations, data processing and interpretation
    - d. Primary quality control software development and distribution
    - e. Development and maintenance of shared best practices
    - f. A European Marine Equipment Pool (EMEP) that shares scientific equipment across Europe
  - KPI-3.3 Enabled European nations to submit fully compliant cruises to International GO-SHIP supporting the International GO-SHIP mission to monitor, map and understanding oceanic heat and carbon uptake.
  - KPI-5.1 Determined the operational end user community needs and engaged with Copernicus Marine Environmental Monitoring Services (CMEMS) to deliver data to them
  - KPI-5.2 Created data pathway for velocity observations from ADCPs; Acoustic Doppler Current Profiler, and engaged with a national data centre and SeaDataNet to demonstrate its implementation.
  - KPI-5.3 Developed and tried a method to add uncertainty to observations that will open up data usage to non-specialists

Working groups:

Not much progress. Delays continue on getting the CTD chapter reviewed. The WG was made aware of a specialised group of USA technicians who are working on a number of best practices relating to the CTD; Caroline to follow-up.

DMT:

Team meets regularly. Tracking/finding/matching data and metadata in different archives is a challenge and the recommendation of using a unique ID allocated for cruises (not limited to GO-SHIP) in earliest planning stage, which then follows cruise and emerging data along full lifecycle, finds support in GO-SHIP community (and beyond). Martin made a demonstration how this would work, noting that data- and metadata centers would work together to manage the ID, while scientists at sea could continue to work with internal identifiers. Eurofleets and Seadatanet also support this approach. Demo [clip](#). Coordination with GLODAP would be useful, next meeting 24 Oct, Are to send invite to Martin/OceanOPS.

Next meeting

Think about a face2face meeting in a year or so, back2back with some appropriate science meeting most committee members would anyway attend to avoid additional travel.

Please make suggestions here while reviewing the minutes:

- 18 February 2024 to 23 February 2024 in New Orleans, OSM 2024

- 4-9 June 2023 Palma de Mallorca, Spain, ASLO Aquatic Sciences Meeting 2023
- Euro-GO-SHIP General Assemblies
- July 2023, IAPSO in [IUGG General Meeting](#), Berlin
- EGU Vienna, 23-28 April 2023
- 

Next online meeting : Early December. 6 and 8 are national holidays in Spain, 8 also in Italy. Doodle poll here: <https://doodle.com/meeting/participate/id/b4RVzWxe>