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°E, from N42° to N12°; L2-P2: along the equator, from E142° to E163°; L3-P3: along E130°E, from N1° to N8°; L4-P4: along E87°, from N15° to S15°]; repeat every 2 to 3 years; request to assist how these cruises could fit into GO-SHIP.

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 trialled 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