

Component / Task team:

IOCCP GOOS Biogeochemistry Panel

Report submitted by:

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Report on workplan progress

Introduction/Background

Including links to relevant documents, mandates etc.

Updates on work

Progress against workplan:

2025 year with much financial instability at the IPO at IOPAN leading to voluntary involvement in a few EU proposals to maintain IOCCP activities and consequently to work overload.

Top 5 outcomes from the last year, and the impact for GOOS:

Methods and SOP intercomparison carbon (Steinhoff et al., L&O, 2025,
<https://aslopubs.onlinelibrary.wiley.com/doi/full/10.1002/lom3.10727>)

Efforts towards carbon CRMs and building links with metrology community

SOCONET : GOOS Surface ocean CO₂ reference observing network, Steering Committee established, stock-take and implementation plan draft edited

EOV Oxygen: Garçon et al., ERL, 2026, <https://iopscience.iop.org/article/10.1088/1748-9326/ae3c37>

Reconfigured IOCCP website/logo: <https://www.ioccp.org/about-us>

GCOS ECVs related to BCG

Looking ahead

Prioritised deliverables (2026-2027)

Observing system design: Moving forward: Ocean Carbon Observing Design Workshop, Ostend, June 2026, followed by delivery of surface ocean CO₂ design to WMO G3W by the end of June

GOOS Carbon and GHG plan, end 2026

Revisiting EOVBiogeochemistry specification sheets, BGC global ocean indicators assessment (BiogeoSEA) following von Schuckmann et al., Marine Policy, 2025, DOI 10.1016/j.marpol.2025.106922 and Martin Miguez et al., Frontiers in Mar Sci, 2026, DOI [10.3389/fmars.2026.1737002](https://doi.org/10.3389/fmars.2026.1737002).

EOV Oxygen GO2DAT prototype (2027)

Peer-reviewed pub from carbon leadership of SOCONET, GO-SHIP, and BGC-Argo: Cross-Network Synergies Fundamental to Sustained Global Ocean Carbon Observing (currently in last stage of preparation)

Expected outcomes for GOOS

Fulfilling G3W WMO, GCOS IP and IOC-R mandates

Actors of the IOC digital data architecture (aligning with stakeholders needs and fit for purpose objectives)

Considerations for the GOOS SC

Proposed action/decision

- Steering Committee ...
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