



OOPC and connection with GRAs

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GRA Forum, 8th April 2024

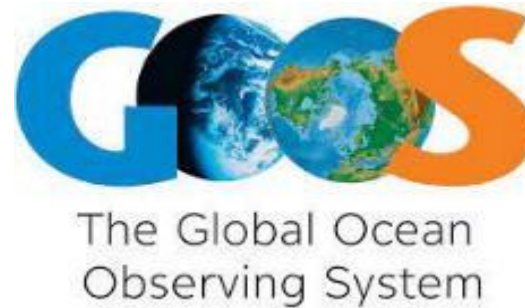
GCOS • GOOS • WCRP

OOPC Ocean Observations Physics and Climate panel



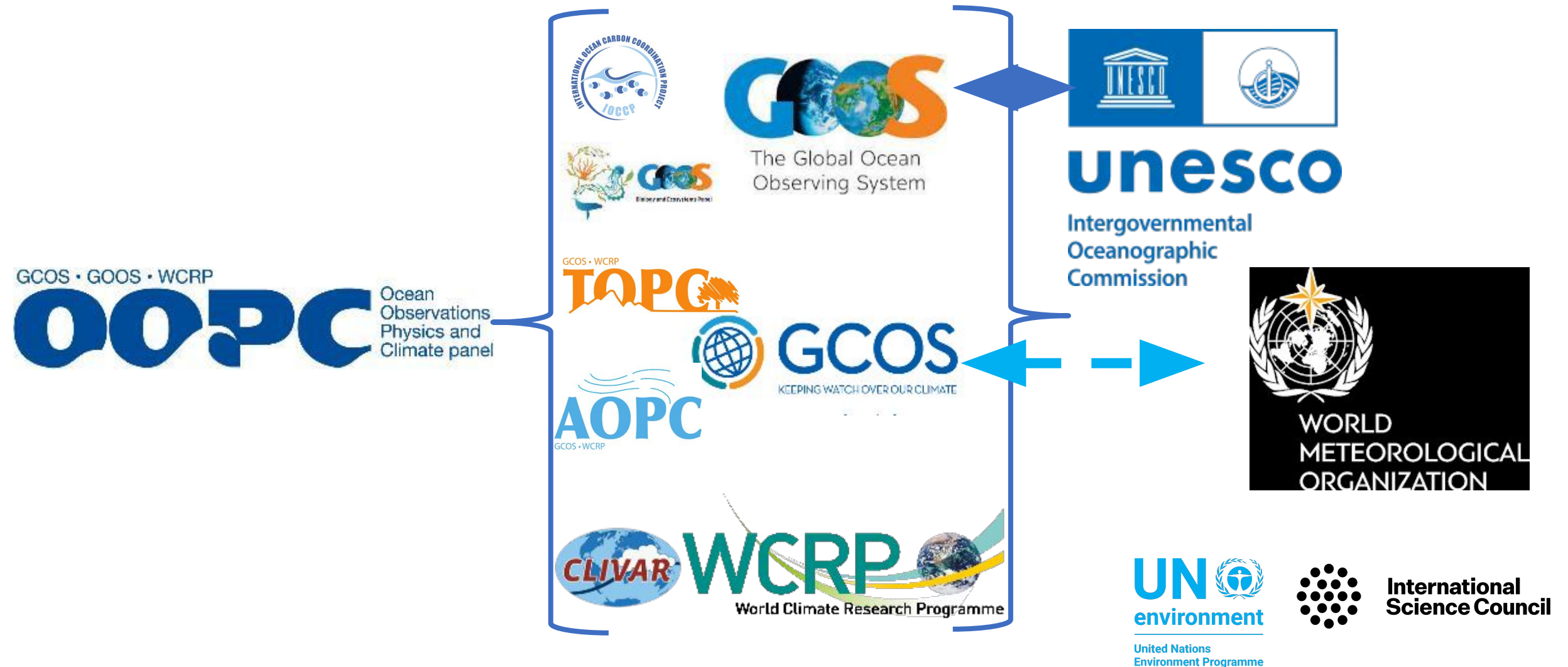
OOPC complex family life: *parent programmes*

OOPC has **three parent bodies**: GOOS, GCOS and WCRP, and has to contribute to the strategic objectives of the three programmes.



OOPC complex family life: *grandparents*

Parent programmes have, in their turn, co-sponsors.



Meghan Cronin



Stefan Kern



Sabrina Speich
Co-chair



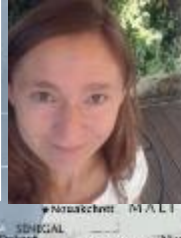
Tony Lee



Rick Lumpkin



Hao Zuo



Karina von Schukmann



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Katrin Schroeder

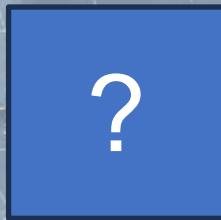


Lijing Cheng



Weidong Yu
Co-chair

Antonio Espejo



Tammarn Morris



Peter Oke

ne Project

Terms of Reference

1. Assess, review and prioritise **requirements for sustained ocean observations of physical Essential Ocean Variables (EOVs), and ocean Essential Climate Variables (ECVs)** in support of GOOS, GCOS and WCRP by:
2. **Work with the GOOS Observations Coordination Group (OCG)** and other relevant regional bodies to coordinate observing networks that contribute to ocean ECVs and physics EOVs
3. Work with the International Ocean Data Exchange (IODE), WMO Information System (WIS), **GRAs** and other partner organizations to review the status of and requirements for **data and information management** [...]
4. Help develop a process for **ongoing evaluation of the observing system** in liaison with users of the data, based on the optimum suite of platforms for required variables, spatial and temporal scales and accuracy
5. Support global ocean observing activities by involved parties (national/regional activities including **GRAs** and global programs) through **liaison and advocacy for agreed plans**.
6. **Report** to the GOOS Steering Committee, GCOS Steering Committee and WCRP Joint Scientific Committee [...].

Main Activities 2024-2028

1. Observing System Evaluation and Strategy for Ocean-Atmosphere Fluxes
2. Observing System Evaluation and Strategy for Boundary Systems
3. Global Ocean Indicators Framework
4. Observing System Evaluation and Strategy for Ocean Heat and Freshwater Storage and Transports
5. Pan-tropical Observing System (with CLIVAR)

* Global Ocean / Climate Essential Variables Stewardship (EOV/ECVs)

* GCOS Status Report/Implementation Plan



How to best have GRAs engage with your panel?

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Mechanisms for engagement OOPC/GRA

1. There is no way around... we must attend each others' meetings!
2. Experts involved both in OOPC and in GRAs
3. GOOS provides multiple opportunities for interaction too: GOOS Exec, GOOS Steering Committee
4. OOPC is interested in learning about initiatives taking place at the GRAs and also willing to get feedback from the GRAs, in particular when preparing the next GCOS Implementation Plan

One example of engagement OOPC/GRA

- Tropical Pacific Observing System (TPOS) Equatorial Pacific Experiment (TEPEX) focused on couple air-sea interactions, but with implications on biology/carbon cycle in the area of Tarawa and/or greater Kiribati.
- TEPEX interested in connecting with the Pacific Community/Pacific Islands GOOS who could also benefit from the outcomes from this experiment and facilitate the deployment of instruments.
- Pan-tropical observing system: How to engage the coastal countries to fill in the data gap around the basin boundary regions?



THANK YOU

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Physics and
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