



# OOPC

## June 2023-June 2025

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Belén Martín Míguez*

OOPC-27, Villefranche-sur-Mer 2-4 June

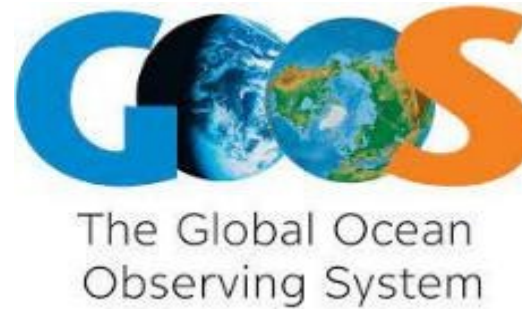
GCOS • GOOS • WCRP

**OOPC** Ocean  
Observations  
Physics and  
Climate panel



# OOPC complex family life: *parents*

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: *siblings*

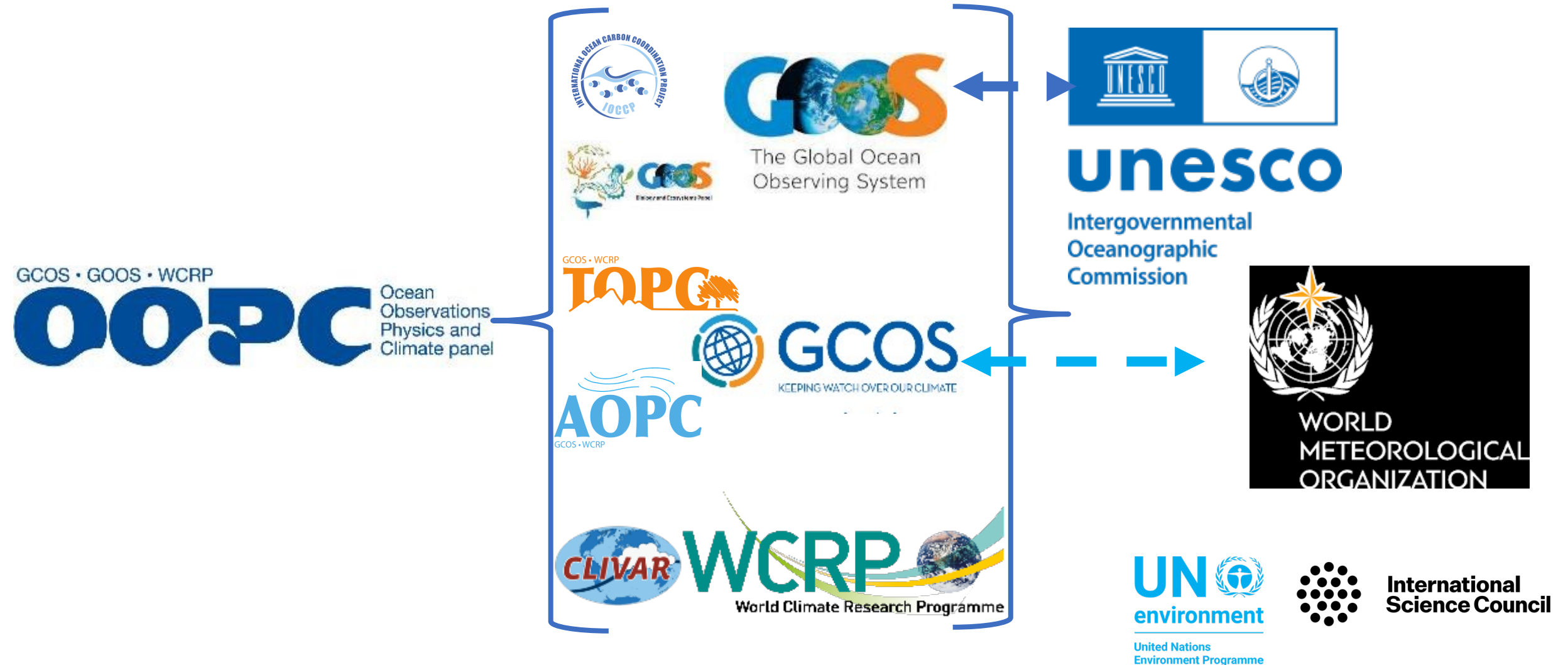
Each of the three programmes are parents to other panels



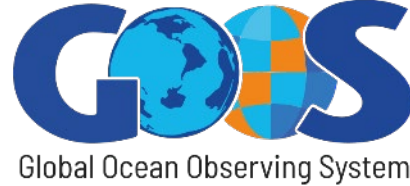


# OOPC complex family life: *grandparents*

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



# How does OOPC contribute to the family?



- |   |  |   |
|---|--|---|
| <ul style="list-style-type: none"><li>• GCOS Status Report</li><li>• GCOS Implementation Plan</li><li>• GCOS ECVs</li><li>• ECV Rationalization</li></ul> | <ul style="list-style-type: none"><li>• GOOS Strategy, Strategic Objective 5: <i>Authoritative guidance on integrated observing system design, synthesising across evolving requirements and identifying gaps</i></li><li>• GOOS EOVS</li><li>• OCG networks</li></ul> | <ul style="list-style-type: none"><li>• Connection through several of the WCRP initiatives and programmes (CLIVAR, GEWEX, CIMP, ESMO, My climate risk...)</li></ul> |
|---|--|---|

OOPC experts and OOPC chairs are leading many activities that are embedded in those three programmes

# How does OOPC contribute to the family?

- Many of OOPC experts are also connected to WMO and IOC in different ways: the RRR, the Global Cryosphere Watch, the Ocean Decade, WMO Annual State of Climate report.
- Some of you also bring a connection with the remote sensing community.





# TAKING STOCK: Progress since June 2023



OOPC-26, end of meeting photo





OOPC-26, end of meeting photo

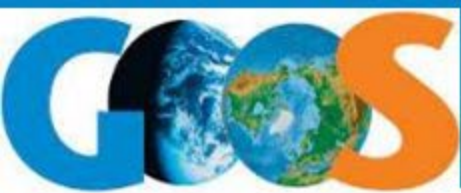
## + 10 virtual meetings

	20230626-30 OOPC-26 Bonn	me	26 Jun 2023 n
	20231005 Virtual	me	25 Sept 2023
	20231219 Virtual	me	12 Dec 2023 n
	20240301 Virtual	me	20 Feb 2024 n
	20240611 Virtual	me	23 May 2024 n
	20240904 Virtual Sessions 1 and 2	me	4 Sept 2024 n
	20241205 Virtual Sessions 1 and 2	me	28 Feb 2025 n
	20250303 Virtual Sessions 1 and 2	me	3 Mar 2025 m
	20250509 Virtual Sessions 1 and 2	me	9 May 2025 n
	20250602-04 Villefranche-sur-Mer In Person OOPC-27	me	27 May 2025



# TAKING STOCK FROM BONN 2023

	JUNE 2023	JUNE 2025
GCOS IP	Start of the work	Progress will be reported this week
ECV Rationalization	Start of the work	Public Review open
EOV template/paper	Start of the work	Template implemented and EOV paper in revision
Climate Indicators	Start of the work	Three proposals ready to be presented at GCOS SC
Heat/Freshwater fluxes	Start of the work	Progress will be reported this week
New EOV – Turbulent Fluxes	Start of the work	Turbulent diapycnal fluxes is a pilot EOV accepted by GOOS



The Global Ocean  
Observing System

# Main Activities 2024-2028

- OS Evaluation and Strategy for Ocean-Atmosphere Fluxes • •
- Global Ocean Indicators Framework
- OS Evaluation and Strategy for Ocean Heat and Freshwater Storage and Transports •
- Model Evaluation Metrics Task Team (NEW) • •
- Pan-tropical Observing System (NEW) • •
- Marine Heatwaves (NEW) • •

- Boundary Systems Task Team • •

Essential  
Variables  
Stewardship  
**EOV/ECVs**



**GCOS**

KEEPING WATCH OVER OUR CLIMATE



- **GCOS Status Report**
- **GCOS Implementation Plan**

# TAKING STOCK FROM BONN 2023

	JUNE 2023	JUNE 2025
RRR Oceanic Earth System Category	Start of the work	Progress will be reported this week
Pan-tropical observing system	Start of the work	Progress will be reported this week
Boundary Systems	On-going	Task Team finishes its work. Paper published in "Oceanography"
OASIS	On-going	Progress will be reported this week
<i>Metrics for modelling community</i>	<i>Start of the work</i>	<i>Activity did not make much progress</i>



# TAKING STOCK FROM BONN 2023

**NEW**

**JUNE 2025**

Marine Heatwaves

Progress will be reported this week

- + Increased collaboration with the other panels (joint activities in the framework of GCOS, BioEco members participating in OOPC meetings)
- + ObsSea4Clim: Horizon Europe project around physical EOVs

# OTHER IMPORTANT EVENTS

## 2023

Observing Co-design conference

## 2024

Ocean Decade Conference in Barcelona

Kick off of ObsSea4Clim (Horizon Europe project)

WMO Impact workshop

+ AGU, EGU, GOOS and GCOS Steering Committees, and many others

## 2025

Change of leadership in the US

Ocean Science Conference and UNOC in Nice

Meghan Cronin



Ben Rabe



Stefan Kern



Sabrina Speich  
Co-chair



Eitarou Oka



Tony Lee



Rick Lumpkin



Hao Zuo



Karina von Schukmann



Belén Martín Míguez  
(Secretariat Support)



Katrin Schroeder



Lijing Cheng



Weidong Yu  
Co-chair

2023

Antonio Espejo



M. Paz Chidichimo



Tammaryn Morris



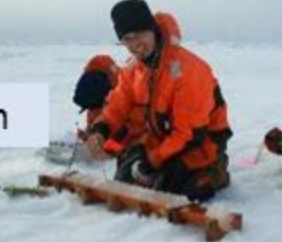
Peter Oke



Meghan  
Cronin



Stefan Kern



Sabrina Speich  
Co-chair



Tony Lee



Hao Zuo

Karina von  
Schukmann



Mélanie Juza



Katrin  
Schroeder



Lijing Cheng



Wendong Yu  
Co-chair



2025

Roland Buss



Tammarny  
Morris



Belén Martín Míguez (Officer)



Bipen  
Prakash







# THANK YOU

GCOS • GOOS • WCRP

**OOPC**

Ocean  
Observations  
Physics and  
Climate panel