



Welcome to Hybrid DBCP 38



WORLD
METEOROLOGICAL
ORGANIZATION



unesco

Intergovernmental
Oceanographic
Commission



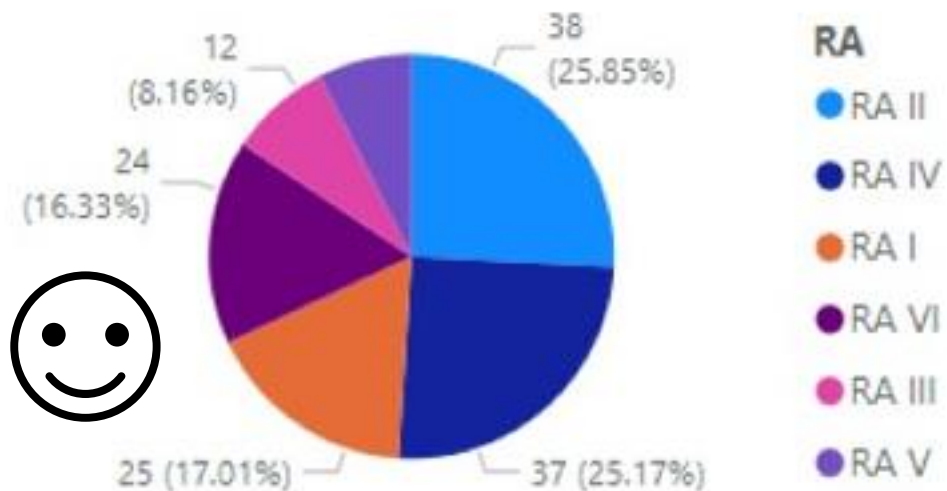
Dr Boris Kelly-Gerreyn
Chair, DBCP

Live From Across the World
1-4 November 2022

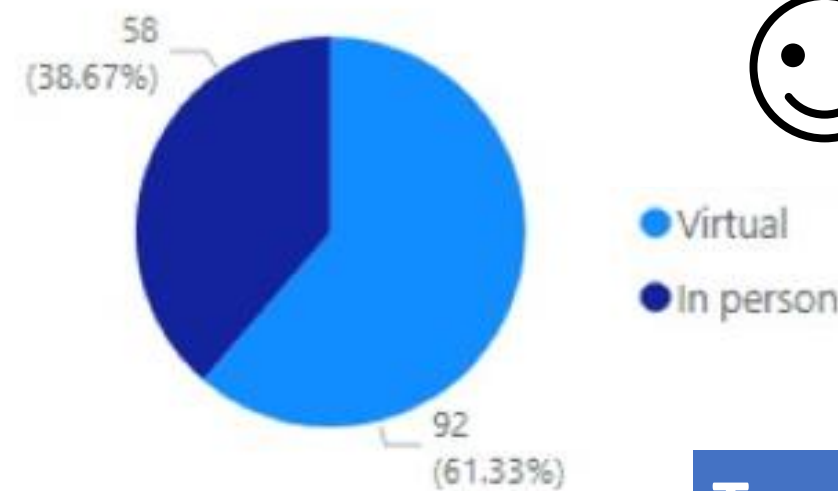




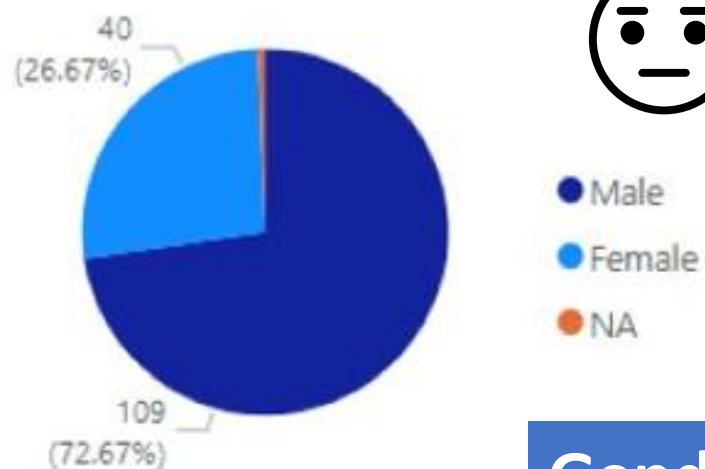
Participation at DBCP 38 – 56 Members, 150 people!



Regional Association



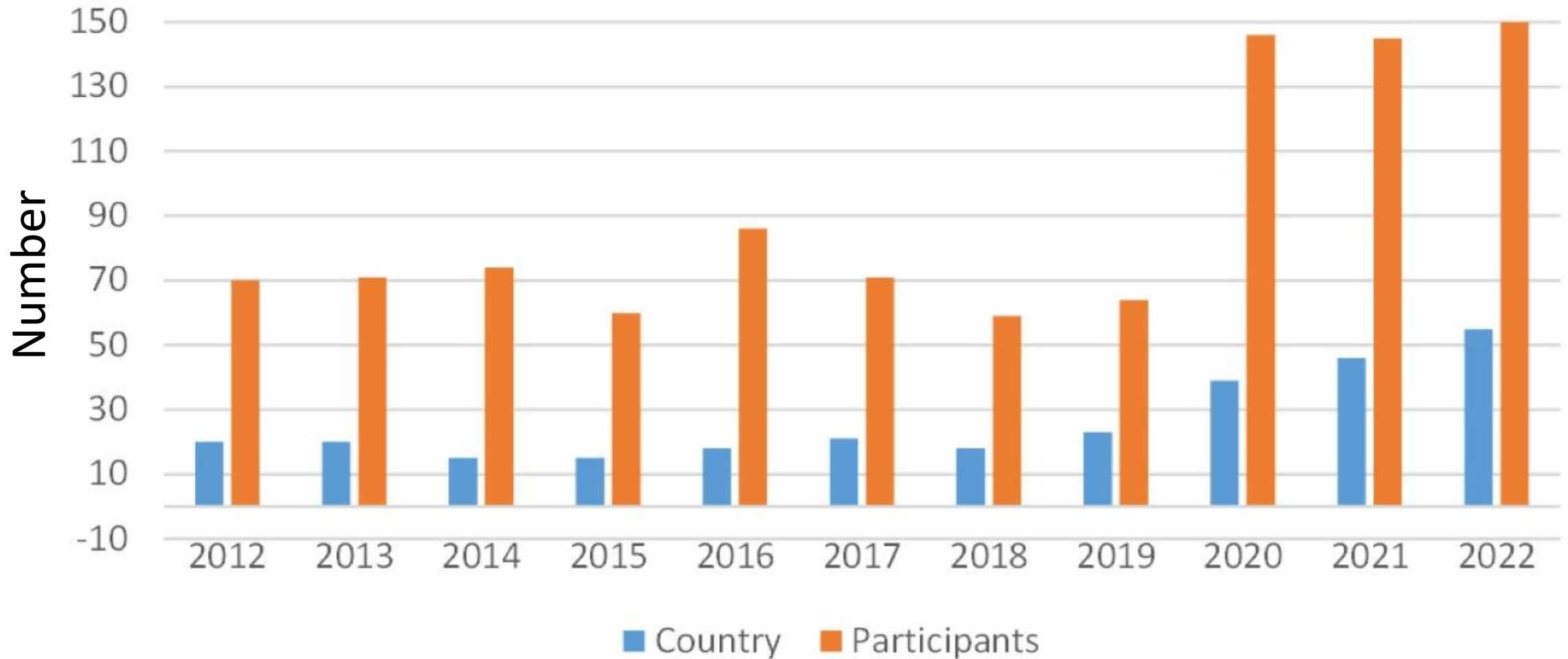
Type



Gender



Participation at DBCP on the up over the last 3 years





New to DBCP – Welcome!

Yemen



Bangladesh



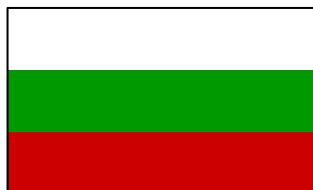
Pakistan



Comoros



Bulgaria



Togo



Barbados



Croatia



Philippines



Uruguay



Suriname



El Salvador



Kuwait



Libya

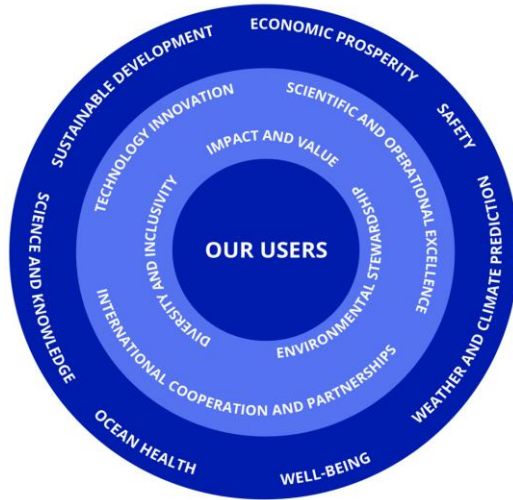


Guatemala



DBCP on the move in 2022

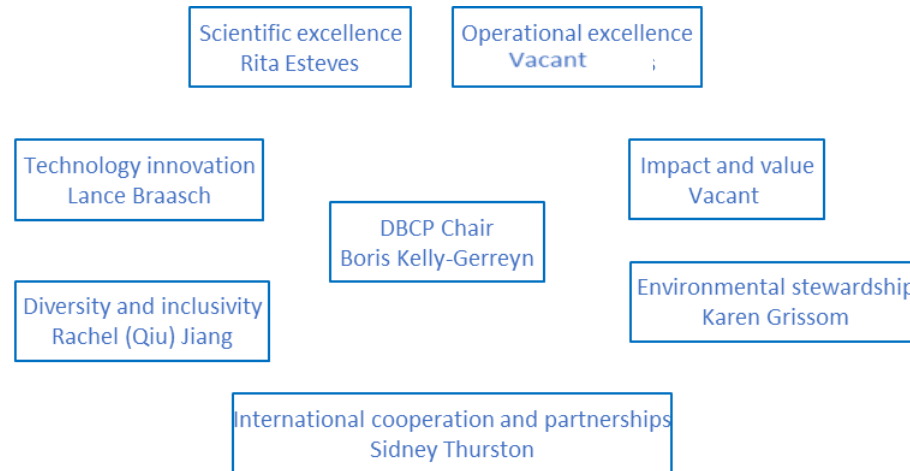
Strategy 2022-2027 launched



Anti-vandalism videos (11 languages)



New Executive Board (structured around strategy)



DBCP 37 Success



- Tunisia hosting the first Mediterranean DBCP capacity development workshop
- DBCP funded first ever wave drifter buoy in Solomon Islands
- Facilitated in-person participation of 3 Members
- Drifting buoy metadata fully synchronized with OSCAR/WIGOS
- SIO and AOML formally endorsed as Data Acquisition Centres under Marine Climate Data System
- Dialogues with Industry
- SC-ON and SG-OOIS engagement embeds connections between DBCP, WMO commissions and IOC/GOOS

WHO ARE OUR USERS

- Met Services
- Satellite community
- NWP
- Ocean modelling
- Tsunami Service Providers
- Science and climate community
- Commercial weather providers

Use/application	Drifting buoys	TMBA	Tsunami buoys	National/ coastal moored buoy arrays
Global NWP				
Regional NWP				
Nowcasting, very short-range forecasting				
Seasonal to climate prediction				
Satellite calibration/ validation		For SST		For waves & SST
Climate monitoring				For regional marine climate
Climate & ocean science				
Global ocean models				
Regional/coastal ocean models				
Tsunami warning				

<https://www.ocean-ops.org/dbcp/doc/DBCP%20Strategy/DBCP%20Strategy%202022-2027.pdf>



Critical



Secondary importance

DBCP making a difference

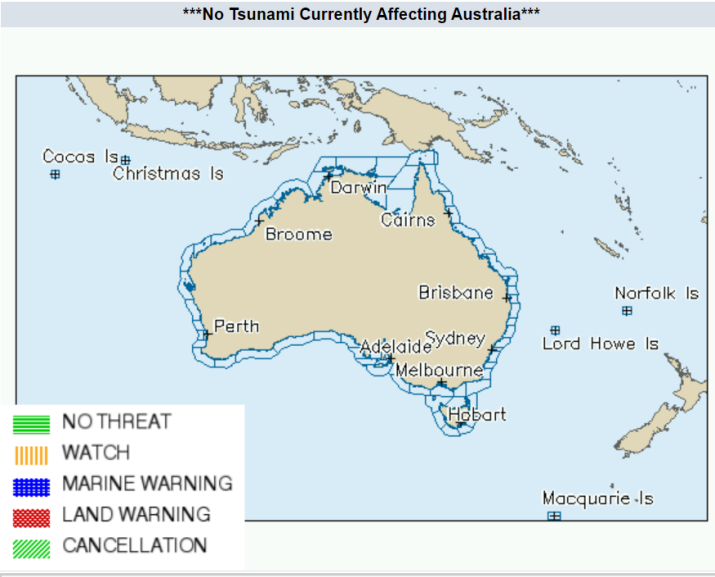
Tsunami warnings

Climate applications

Commercial weather services



Severe weather warnings




scientific data

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Satellite-based time-series of sea-surface temperature since 1981 for climate applications

[Christopher J. Merchant](#) , [Owen Embury](#), [Claire E. Bulgin](#), [Thomas Block](#), [Gary K. Corlett](#), [Emma Fiedler](#), [Simon A. Good](#), [Jonathan Mittaz](#), [Nick A. Rayner](#), [David Berry](#), [Steinar Eastwood](#), [Michael Taylor](#), [Yoko Tsushima](#), [Alison Waterfall](#), [Ruth Wilson](#) & [Craig Donlon](#)

[Scientific Data](#) **6**, Article number: 223 (2019) | [Cite this article](#)

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How 12 buoys along Cyclone Fani's path helped save millions of lives


U Tejonmayam / TNN / Updated: May 4, 2019, 11:45 IST


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ARTICLES

 How 12 buoys along Cyclone Fani's path helped save millions of...

 Chennai: Corals taken out of water during raid at shop die

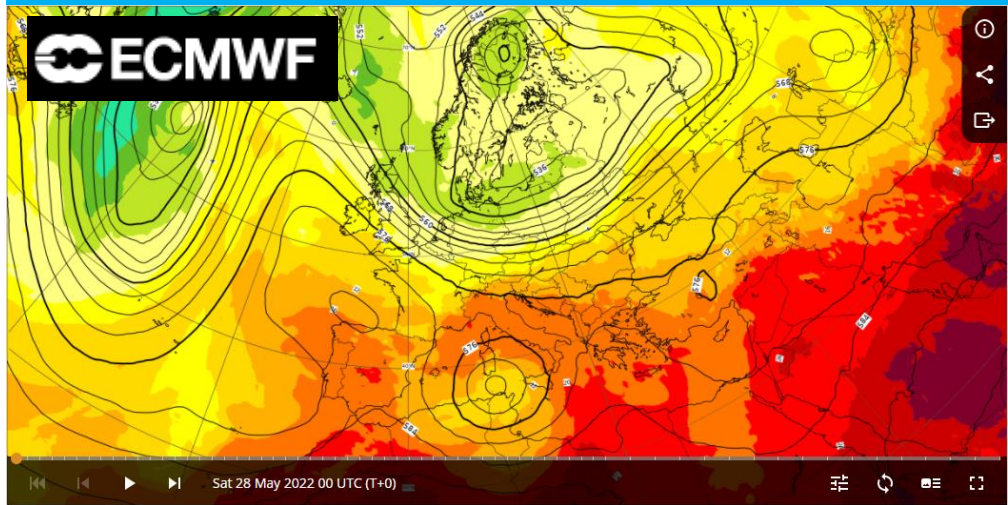
 Chennai: Drunk driver mows down two pedestrians in Villivakkam

 State board students likely to put up a better show in NEET



A view of the destruction caused by Cyclone Fani after its landfall in Puri on Friday (PTI Photo)

Global, Regional and local Weather Forecasts

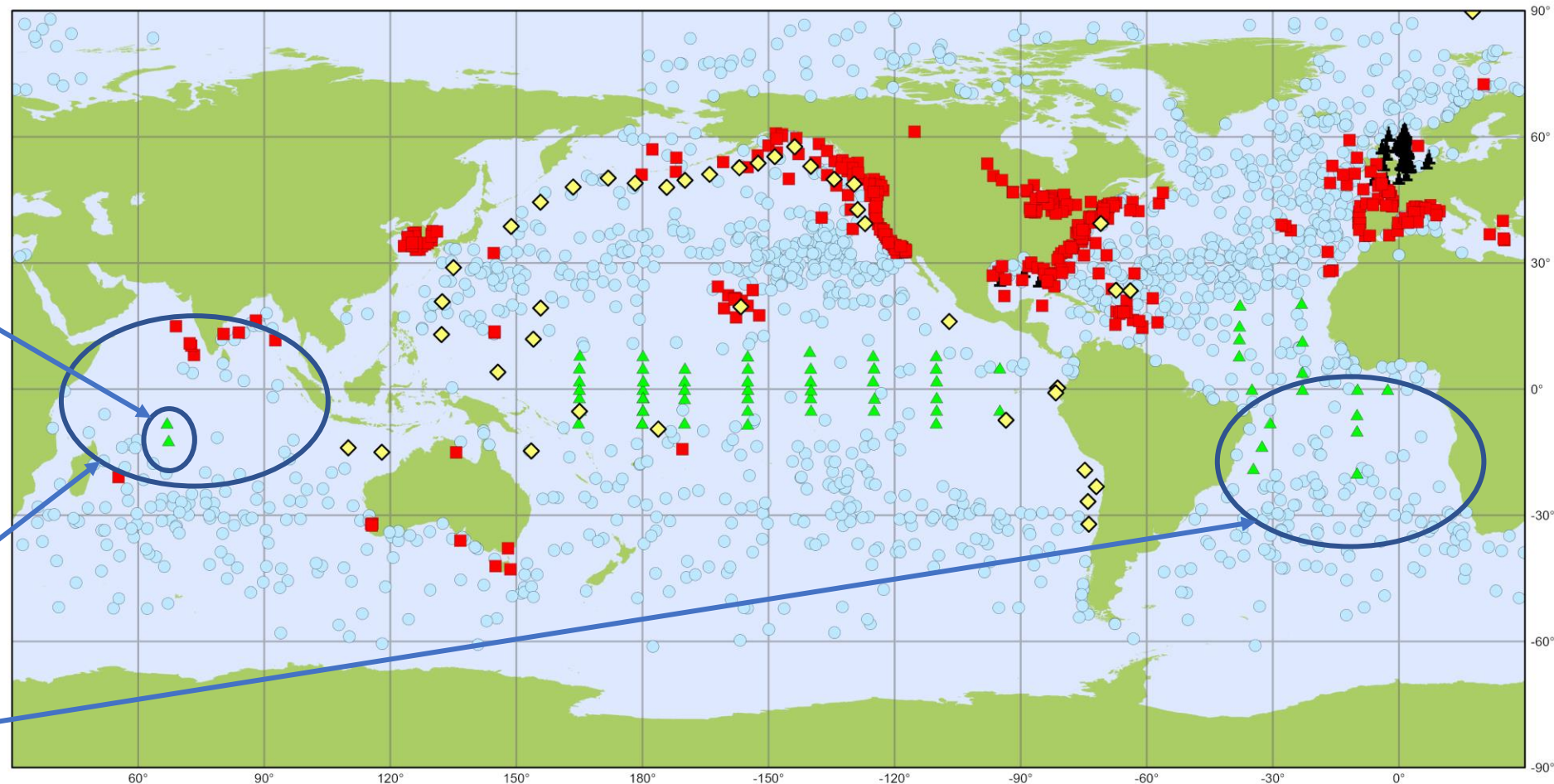




DBCP Challenges

- Severe drop in Global Tropical Moored Buoy Array, particularly RAMA (only 3 out of 29 operational)

- Drifter gaps - Indian Ocean, South Atlantic



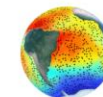
Data Buoy Cooperation Panel

Operational Platforms

September 2022

Platforms operational during the month. GTS data as received by Meteo France.

- | | |
|-----------------------------|--------------------------|
| ◆ Tsunameters (41) | ▲ Fixed Platforms (95) |
| ■ Coastal/National MB (349) | ● Drifting Buoys (1 518) |
| ▲ Tropical MB (67) | |



The need for the DBCP has never been greater

Infrastructure Commission



Services Commission



Research Board



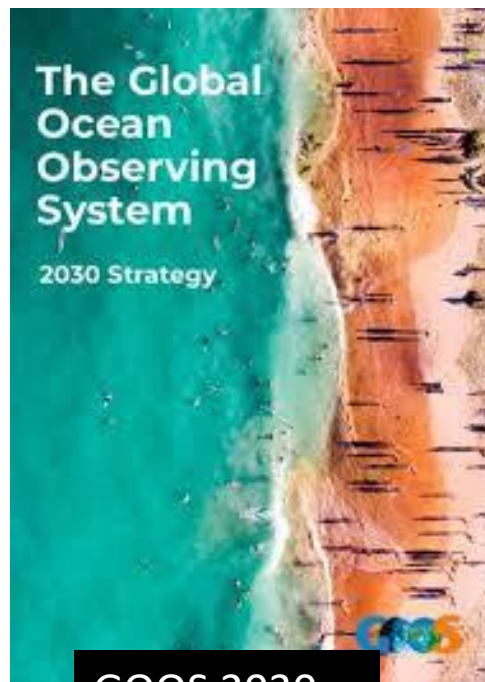
Scientific Advisory Panel



Joint WMO-IOC Collaborative Board



WMO Governance



GOOS 2030





The need for the DBCP has never been greater

Pollution



Climate change – Severe weather

Ocean pressures



Energy security



Food security



Scientific understanding
& knowledge





The week ahead – it's packed!

- Making the most of our time together
- Encouraging engagement and discussion (hearing from you)
- Strong focus on our users
- Key highlights:
 - Day 1 (Tues) - Science and Technology Workshop
 - Day 2 (Wed) - Guest speakers (Industry engagement, Capacity Building, Record Breakers)
 - Day 3 (Thurs) - Breakout Sessions (Env stewardship, diversity, socio-economic value)
 - Day 4 (Fri) - DBCP and the WMO, GOOS & the UN Decade
 - OCG Special Session
 - Election outcomes for new Chair

[illegible]