

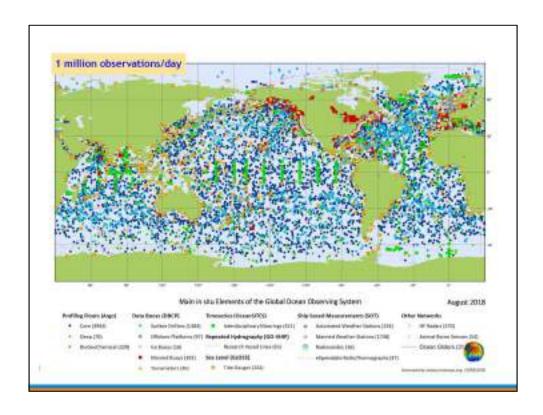
I'm here to talk to you about what makes a collection of activity into a cohesive and high-performing system - how we can work at global and regional levels to leverage our individual national contributions and make them stronger together

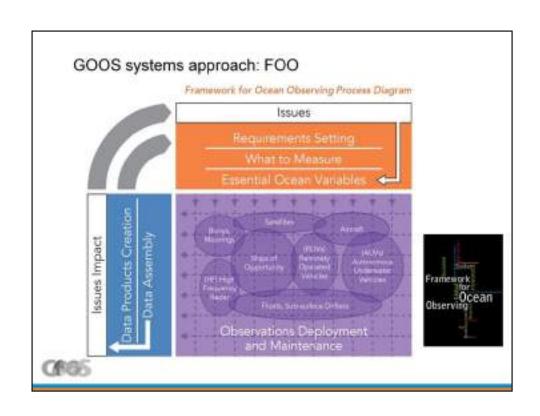
Outline

- 1. GOOS in a nutshell
- GOOS and GCOS strategies and contributions in both directions
- Working on common goals
 Partnerships, defining requirements, regional development
- 4. Our common panel: OOPC
- 5. Summary of proposed actions by SC









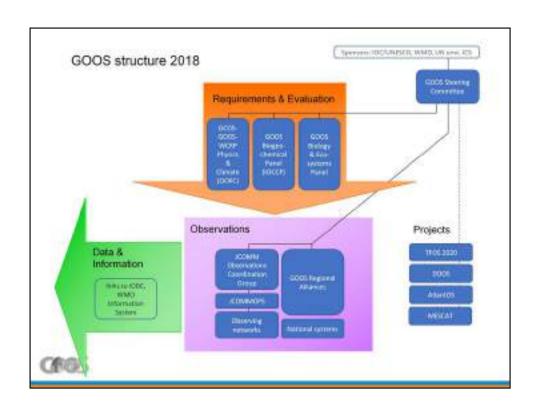


Information from the ocean, and therefore sustained observations of the ocean, can be used to inform decision-making in a number of different areas of key importance to human well-being.

GOOS is aimed at delivering for all IOC Member States the essential sustained observations for climate mitigation and adaptation (GCOS), operational ocean services for disaster risk reduction and to support the development of the Blue Economy, and in order to safeguard ocean health and continued ocean ecosystem services when making local, regional, and global policy decisions.

It is a complex space with many different stakeholders and users -

These are our ideas about connecting them up, many of the same challenges faced by EOOS on the regional level.



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The GOOS 2030 vision is a broad and ambitious one, for the entire sustained ocean observing system

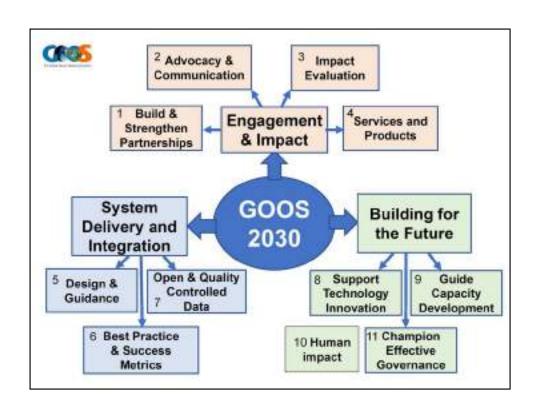


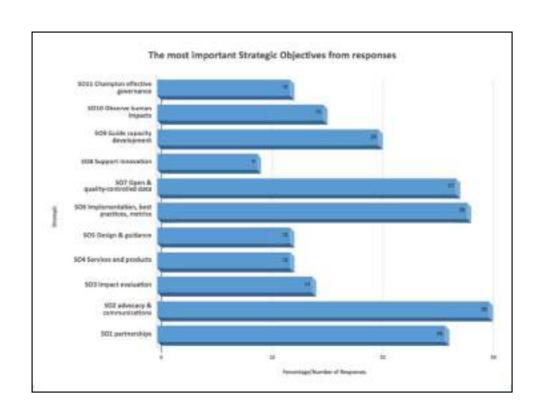
The mission speaks more specifically to the GOOS programme, the coordination activities that are based on national contributions to the observing system, and our plan to develop partnerships to achieve the full vision for the observing system.

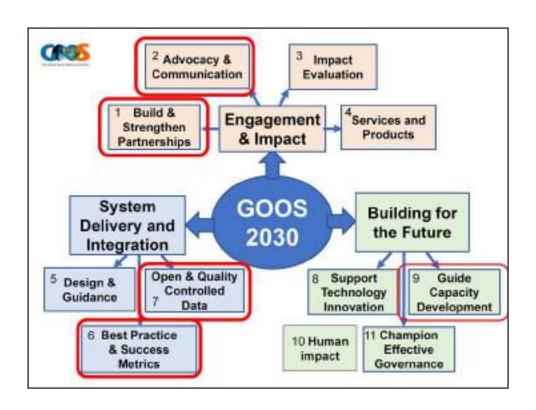


The Strategy defines 11 specific strategic objectives grouped around 3 goals:

- deepening engagement and impact -> to improve delivery from observations to users, and to raise the visibility and funding for sustained observations
- the core GOOS activities around system integration and delivery, ensuring that this voluntary collaborative system delivers as one against agreed targets
- and building for the future with innovation, capacity development, a growing understanding of the human impact on the ocean, and











How GOOS contributes to GCOS goals

Strategic Goal	Components	OOPC Role	Contributing GOOS activities
Identify User Needs	Review Essential Climate Variables	Setting, reviewing requirements for ECVs, EOVs (drawing on EOV Specifications)	GOOS Biogeochemistry (BGC) Panel, Biology and Ecosystems (BioEco) Panel



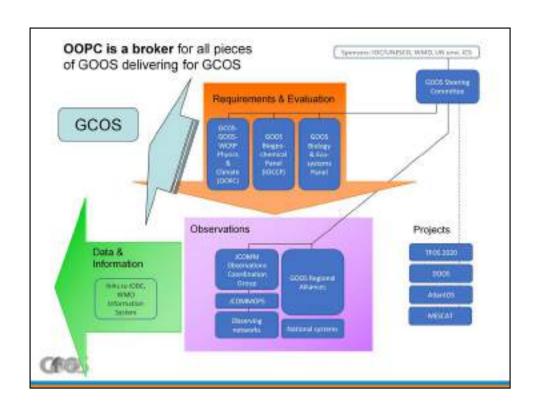
How GOOS contributes to GCOS goals

Strategic Goal	Components	OOPC Role	Contributing GOOS activities
Climate Observations enhanced and continued	Plans/guidance, improve infrastructure	Observing System Reviews	Working with other GOOS BGC Bio panels, JCOMM OCG GOOS Projects
		Overseeing Observing	
	Coordinate with	System implementation and	Network based
	disparate observing systems	performance	coordination and
		100000000000000000000000000000000000000	tracking through
		Brokering multiplatform	JCOMM OCG
		observing system design. targets.	JCOMMOPS
		120/05	JCOMM OCG
			GOOS Regional
	Communicate with	Reviews and development	Aliances
	users, funders, policy, media.	projects, talks, engagement with programme managers.	Other GOOS Panels.
	100000	CONTRACTOR CONTRACTOR	GOOS SC
			GOOS Secretariat

How GOOS contributes to GCOS goals

Strategic Goal	Components	OOPC Role	Contributing GOOS activities
Free and Open Data Access	Advocate, facilitate data repositories and data access.	Advocating the benefits of global observations; FAIR Principles (Findable, Accessible, Interoperable, Reusable).	JCOMM OCG, JCOMMOPS Other GOOS Panels (Additional partners such as IODE OceanPredict WIS etc.)





How GCOS contributes to GOOS objectives

· Engagement and Impact

 facilitating the partnerships required with WCRP, IPCC, and UNFCCC in order to deliver on the GOOS climate theme

Integration and delivery

 GCOS focus on free and open data access, and adherence to the Climate Monitoring Principles

· Building for the Future

- potential to leverage the GCOS Cooperation Mechanisms for some coastal ocean observations
- potential for GCOS to contribute to the governance of the satellite/in situ ocean observing system, particularly through strong relationship with satellite agencies



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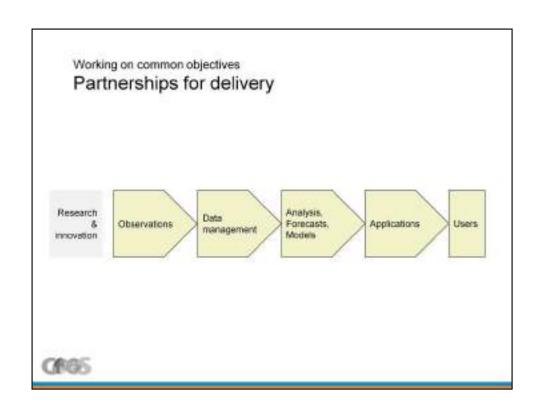
Working on common objectives

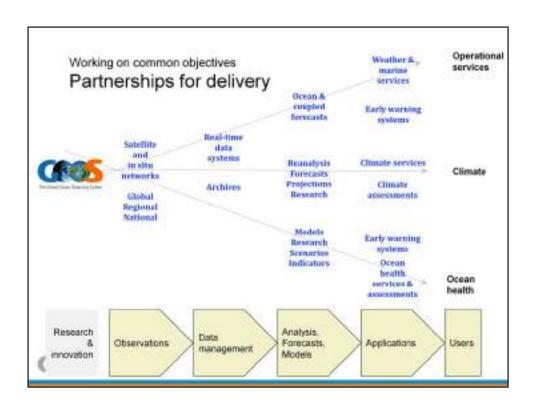
Partnerships

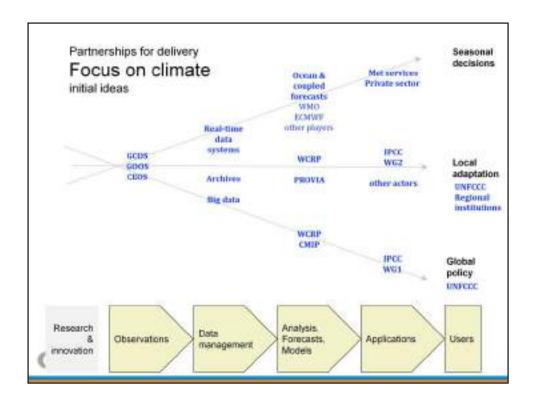
- Sponsors
 - context of WMO reform
 - potential common engagement with UN Environment, ICS
- · Climate research programmes
 - WCRP GCOS link strong
 - GOOS engages with SOLAS, IMBER
 - GCOS engages with PROVIA











A strong GCOS/GOOS relationship means GCOS benefits fully from the broader GOOS expertise and developments, and coordinated structures, including its influence on how ocean observations are implemented and performance tracked to advance the observing system. This helps to engage a strong community in GCOS. The GOOS mapping of users and consultation with the community means much more of the users and observing community is exposed to GCOS and can deliver to GCOS aims.

GOOS sees working with GCOS as the pathway to value through WCRP, IPCC WG1, UNFCCC policy on mitigation particularly; and we see potential and can help with our panel contacts with scientific community with other pathways: i.e. through research (PROVIA, IMBER, etc.), IPCC WG2, UNFCCC policy and Parties response on adaptation to climate change.

Building on the TPOS 2020 legacy, an area of potential strengthened engagement is into climate services - where oceans are in fact the dominant driver of the relevant timescales for ENSO; and the dominant source of predictability on seasonal and longer timescales. A common

clear strategy between GOOS and GCOS to engage WMO and other climate service structures would strengthen the visibility of observations for these services, delivering to both GCOS and GOOS strategies.

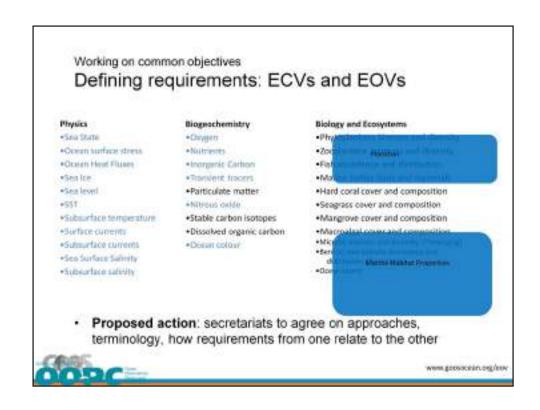
GOOS has strong working level engagement with research community, e.g. CLIVAR, broader engagement through BGC (SOLAS), Biology (IMBER, etc.) and Also Policy though IPBES. Due to the importance of the ocean climate variability (e.g. ENSO) OOPC / GOOS can bring a new perspective into GCOS and increase its relevance for another climate user: climate services, particularly through projects such as TPOS 2020; and perhaps strengthen links into the Agrometeorological and climate services Standing Committee proposed under the WMO Commission for Services and Applications.

Working on common objectives

Partnerships

- Space agencies
 - highly engaged in ECVs
 - potential to present more integrated requirements for remotely-sensed ocean ECVs/EOVs
- Proposed partnership action: GCOS and GOOS leadership consult on their partnership strategies and identify the common objectives; and then make some decisions about the approach: lead/participate, who, how, resource requirements

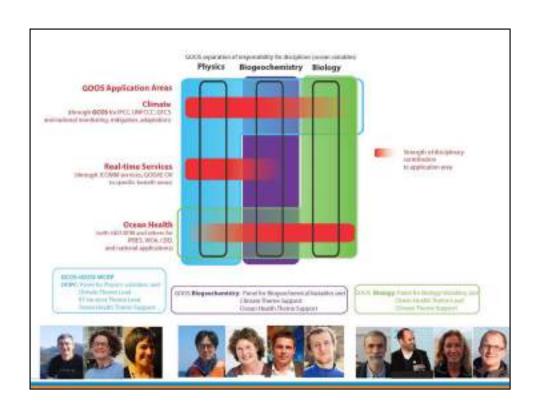




Working on common objectives Summary

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- Common approaches to common partners: sponsors, research, space agencies
- · GCOS delivery pathway for GOOS's climate theme
- · Compatibility in requirement definition
- · Broadening the partnership for delivery
 - GOOS's TPOS 2020 project and ocean observations key in climate services
- · Regional development and capacity development
- Proposed action: regular communication between directors, chairs, and SCs



Co-parenting OOPC

- coordinated forward planning of deliverables for efficiency
- OOPC needs time and flexibility of structure to consult, to be the conduit into GCOS of the entirety of GOOS
 - example of the ECV steward concept
- Joint guidance on priorities
- Proposed actions:
 - SCs to review and agree to priorities for OOPC; directors to consider joint resourcing
 - directors to discuss and agree guidance to OOPC, given role as conduit, and provide sufficient time to consult/gather this input
 - SC Chairs to have a virtual meeting after the GCOS SC to agree on the joint guidance for the work of the OOPC in the coming year

