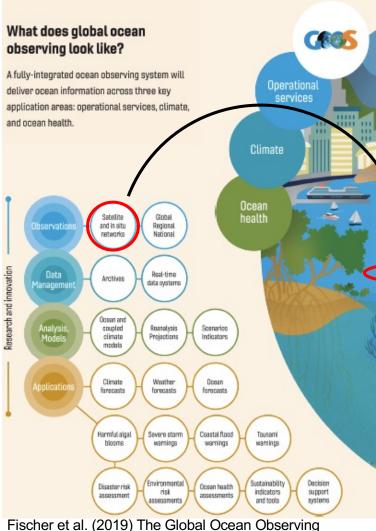
Coordination Group for Meteorological Satellites - CGMS

IOC Global Ocean Observing System



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Satellite and In Situ Observing Networks
 GOOS Essential Ocean Variables [31]

	PHYSICS	BIOGEOCHEMISTRY	BIOLOGY AND ECOSYSTEMS
	Sea state	Oxygen	Phytoplankton biomass and diversity
	Ocean surface stress	Nutrients	Zooplankton biomass and diversity
	Sea ice	Inorganic carbon	Fish abundance and distribution
V	Sea surface height	Transient tracers	Marine turtles, birds, mammals abundance and distribution
M.	Sea surface temperature	Particulate matter	Hard coral cover and composition
	Subsurface temperature	Nitrous oxide	Seagrass cover and composition
	Surface currents	Stable carbon isotopes	Macroalgal canopy cover and composition
	Subsurface currents	Dissolved organic carbon	Mangrove cover and composition
	Sea surface salinity		Microbe biomass and diversity (*emerging)
*	Subsurface salinity		Invertebrate abundance and distribution (*emerging)
	Ocean surface heat flux		
	CROSS-DISCIPLINARY		
	Ocean colour	Ocean Sound	

System 2030 Strategy. IOC Brochure 2019-5.

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https://www.goosocean.org/index.php?option=c om content&view=article&id=170&Itemid=114



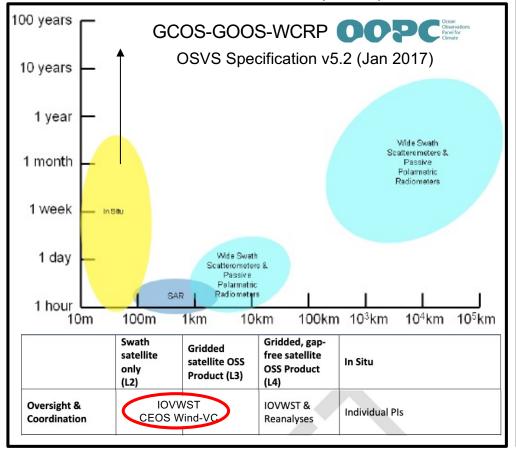




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IOC Global Ocean Observing System

- Satellite and In-Situ Observing Networks
 - Essential ocean variables (EOV)
 - Ocean Surface Wind (OSW)



- CGMS WG II (28 Apr 2021)
 - IWWG covers derivation and utilization of wind information from the full variety of space-borne systems, including: (i) ocean surface winds derived from radar scattering, ocean reflection and microwave radiometers, (ii) cloudtracked winds, (iii) vertical wind profiles, and (iv) 3-D wind fields.
 - Ocean Surface Wind Task Group (OSWTG) coordinates actions and recommendations with GSICS, CEOS and IOVWST
 - ➤ IOC joined OSWTG to enhance GOOS and WIGOS coordination of satellite and in-situ surface wind observing systems for integration of OSW systems for global and regional ocean applications.

Coordination Group for Meteorological Satellites

GOOS is considering establishing a Satellite Data Coordinator





