

Mission Name	Sensor (list but separate by comma)	Launch Date	OCG-Relevant Products-services (list but separate by comma)	Primary WG/VCs to coordinate with	Secondary WG/VCs to coordinate with	third WG/VCs to coordinate with	External-to-CEOS Entities to coordinate with (list but separate by comma)	Envisioned CEOS Support/Engagement Needs (list type separated by comma. BE SPECIFIC!)	GEO-related activity? (if yes, provide details)
PACE (Plankton, Aerosol, Cloud, and ocean Ecosystem)	Ocean Color Instrument (OCI), Hyper Angular Rainbow Polarimeter (HARP2), and Spectro-Polarimeter for Planetary Exploration (SPeXone)"	2024	Observe aerosols, clouds, and ocean color to enable energy budget and carbon cycle science and support fishery management, air quality forecasting, and disaster response mitigation efforts -- hyperspectral Chlorophyll a, kdPAR, kd490, CDOM, SPM, Phytoplankton Functional types / hyperspectral ocean color and polarimetry; also has specific atmospheric measurements. For complete list see https://pace.oceansciences.org/data_table.htm	OCRVC	WGCV	COAST AHT	PACE Science Team	Coordinate within CEOS among listed entities, promotion of beta and operational products to data users both internal and external; coordinate with CEOS agencies validation activities which would also benefit other missions. PACE Calibration activities are also beneficial to other CEOS stakeholders - bolstering support for more distributed calibration sites may be something CEOS could do	
NISAR (NASA-ISRO Synthetic Aperture Radar)	L- and S-band Synthetic Aperture	2024	Measure changes in Earth's surface to improve risk and resource management by understanding the response of ice sheets to climate change; likelihood of solid earth hazards, like earthquakes; and dynamics of carbon storage in various ecosystems						
CIMR	Microwave radiometer	2028	sea ice concentration, snow depth on sea ice, terrestrial snow water equivalent, ocean surface wind	OSTVC	OSVWVC				
CRISTAL A/B	altimeter, radiometer	2027/2030	sea-ice thickness, overlying snow depth and ice-sheet elevations, + altimetry products related to coastal and inland waters and Ocean	OSTVC	COAST AHT		CRISTAL Validation Team, OSTST		
Sentinel-3 C/D	OLCI, SLSTR, SRAL, MWR	2025/2028	Ocean colour, SST/IST, sea level, wind, SWH and inland waters	OSTVC	SSTVC	OCRVC	S3VT, OSTST, GHRSSST, IOCCG/IOC		
Sentinel-6 B/C	Altimeter, radiometer	2025/2030	sea level, wind, waves, inland waters	OSTVC	WGClimate	COAST AHT	S6VT, OSTST		
Sentinel-3 NG TOPO	swath altimeters (TBC)	2031/2034	sea level, wind, waves, inland waters	OSTVC	WGClimate	COAST AHT	S3VT, OSTST		
EPS-SG/SCA	scatterometers C Band	2025/2032	surface wind vectors, sea ice	OSVWVC	WGClimate	COAST AHT	IOVWST		
Sentinel-3 NG OPT	OLCI, SLSTR	2033/2035	Ocean colour, SST/IST	SSTVC	OCRVC	COAST AHT	S3VT, GHRSSST, IOCCG/IOC		

SABIA-Mar	VIS-NIR, NIR-SWIR, HSC (High Sensitivity Camera)	2025	Water leaving radiance, Chlorophyll-a concentration, Difuse attenuation coefficient at 490nm, Turbidity, PAR, Nigth light detection (from ships)	OCRVC	WGCV	COAST AHT	SABIA-Mar Science	Promotion of the data generated by SABIA-Mar in both regional scenario (South America areas) and global scenario, support/facilitate the access to in-situ data for calibration and validation activities, support exchanges activities (such us workshops) between users, support or promote joint cal/vai activities or inter-calibration activities, generation of education and public outreach material in spanish for specific South America audience, promote the publication of in-situ data in open databases for the use of the community.
GOSAT-GW	Advanced Microwave Scanning Radiometer 3 (AMSR3)	2024	SST, water vapor, precipitation, wind speed, sea ic	SSTVC	PVC	WGClimate	GHRSSST, IPWG, G	Support for continuation of future MW observations, especially ro ensure C-band MW imagers.
Air-LUSI	IRIS – IRradiance Instrument Subsystem	Ongoing	lunar spectral irradiance measurements	OCRVC	SSTVC		Air-LUSI team	Not a satellite mission per se, but a calibration activity useful for all for ocean color radiometry; CEOS could be used as a mechanism for coordination of these data capture and interfacing with models that rely on these data (e.g. LIME)
SBG	Hyperspectral and thermal sensors	NET 2028	Hyperspectral ocean color and TIR	OCRVC			SBG Community an	SBG will be a new generation of ocean color instruments with high hyperspectral resolution in the coastal zone, inland aquatic capabilites and open ocean opportunistic captures as well. CEOS can serve as a body for broader use of the data, identification of new stakeholders, identification of new products needed by internal and external stakeholders, and coordination of validation activities.

GLIMR	Hyperspectral sensor	NET 2025	Hyperspectral ocean color	OCRVC			GLIMR community	GLIMR will usher the era of hyperspectral geostationary measurements; focused on the Gulf of Mexico, it will provide observations on the fast changing coastal ecosystems, episodic events that impact water quality and ocean health (e.g. oil spills), and have direct applications of coastal resilience. CEOS can serve as a body for broader use of the data, identification of new products needed by internal and external stakeholders, and coordination of validation activities.
CALIGOLA* (TBD)	lidar with 3 emission wavelengths at 355, 532, and 1064 nm	NET 2028	Lidar with ocean and atm capabilities	OCRVC				
GEO-XO?	Lightning Mapper, Sounder, atmospheric composition, a hyperspectral, ultraviolet through near-infrared passive imaging radiometer. The Ocean Color (OCX) instrument is planned to achieve 390-meter spatial resolution.	NET 2032	Hyperspectral ocean color, air quality gases, Visible and IR imaging	OCRVC	LSIVC	ACVC	Ocean Color Community (see GLIMR, PACE)	(See PACE and GLIMR above) Coordinate within CEOS among listed entities, promotion of beta and operational products to data users both internal and external; coordinate with CEOS agencies validation activities which would also benefit other missions.
CHIME		2030	Hyperspectral Ocean Colour	OCRVC	COAST AHT	other-Biodive	Ocean Colour Community	
S2-C-D			Ocean Colour	OCRVC	COAST AHT	other-Biodive	S2VT, Ocean Colour Community	
S2-NG			Ocean Colour	OCRVC	COAST AHT	other-Biodive	S2VT, Ocean Colour Community	