

Virtual meeting biennial OceanSITES

14th Science Committee (SC) and 10th Data Management Team (DMT) meeting 07th to 09th November, 2023

OceanSITES, the global network of long-term, high-frequency, high-quality multidisciplinary deep reference stations at fixed locations, will host three days of on-line sessions to prepare to be fit for purpose in 2030.

Objective of the OceanSITES 2023 meeting: Serving the Needs of National Eulerian Observations for Global Aims.

Registration at: <https://forms.office.com/e/fW8SazLjdW>

Link for connection to the meeting:

<https://geomar-de.zoom.us/j/85010546954?pwd=ZVlwM01OU1d5V3FiSzc5c2hFbUNjdz09>

Examples for start time for the period 7th-9th November 2023

Selected cities	UTC	Halifax	Seattle	Hawaii	Hobart	Tokyo	Paris (CET)
Start of meeting	9pm	5pm	1pm	11am	8am next day	6am next day	10pm

Times and dates given/referenced to UTC

07 November 2023

09:00-09:10pm UTC	Welcome & logistics (Raquel Somavilla)
09:10-09:30pm	OceanSITES summary of activities (Johannes Karstensen & Raquel Somavilla)
09:30-10:20pm	First set of reports from regional, national networks and global programs perspective (Convener: Raquel Somavilla) 09:30. Elizabeth Shadwick (CSIRO). Integrated Marine Observing System

	<p>09:42. Paolo Favali. Eurogoos Fixed Platform Task team, EMSO.</p> <p>09:54. Tamaryn Morris (SAEON). South Africa ocean observations</p> <p>10:06: Kevin O'Brien. GOOS Observations Coordination Group (OCG)</p>
	10' break
10:30-11:55pm	<p>Discussion session on OceanSITES data and metadata system. Advances and future direction (Convener: E. Burger)</p> <p>Speakers and contributors:</p> <p>10:30 - Eugene Burger (NOAA, PMEL) OceanSITES DMT chair</p> <p>10:50 - Roland Schweitzer (NOAA/PMEL) OceanSITES Thematic Data Discovery and Visualization Dashboards</p> <p>11:20 - Bruce M. Howe (University of Hawaii). SmartCables chair OceanSITES DMT</p>
11:55-12:00pm	Closure day 1

08 November 2023

09:00-09:05pm UTC	Introduction day 2
09:05-10:00pm	<p>Second set of report from regional, national network and global programs perspective (Convener: Andrew Gates (NOC))</p> <p>09:05. David Legler. NOAA/GOMO Director. GOOS OCG chair.</p> <p>09:15. Jim Edson (WHOI). UN Decade Programme OASIS: Observing Air-Sea Interactions Strategy</p> <p>09:25. Leslie Smith. Deep Ocean Observing System, DOOS</p> <p>09:35. Al Plueddemann (WHOI). Ocean Observatories Initiative, OOI</p> <p>09:45. Renellys Perez (NOAA/AOML). South Atlantic MOC Basin-wide Array, SAMBA</p>
10:00-10:55	Discussion session on long time-series observations and modeling synergies. The

	<p>purpose of this session is building a foundation for growing interaction between modellers and observers making progress on the following questions: 1) What Eulerian ocean time series observations do modelers want/need? And 2) What long Eulerian ocean time series exist and are being collected that can be made available to modelers? what data format(s) and metadata modelers need to support use of the time series, 4) how best to serve time series for access by users.</p> <p>Convener: Raquel Somavilla (IEO) & Session introduction</p> <p>Speakers: Hao Zuo (ECMWF)</p> <p>Anastasia Romanou (NASA)</p> <p>James Potemra (University of Hawaii). Long-term Observations of Deep Ocean Temperature and Salinity from Moorings: Implications for Model Improvement</p> <p>Al Plueddemann (WHOI). The Northwest Tropical Atlantic Station (NTAS): 2001-2022</p>
	5' break
11:00-11:55	<p>Focus session climate reference time-series. Discussions on setting up a Baseline network for Climate (aka GCOS Upper-Air Network, GRUAN)</p> <p>Convener: J. Karstensen (GEOMAR)</p> <p>Speakers: James Holte (University of California San Diego). OSNAP, Overturning in the Subpolar North Atlantic Program,</p> <p>Iwao Ueki (JAMSTEC). Time series monitoring at the Northern edge of warm pool by Philippine Sea mooring (PHISMO)</p> <p>Bernadette Sloyan (CSIRO). East Australian Current time series data products we have produced, including methods and various products built in response to conversations with various data users.</p>
11:55-12:00pm	Closure day 2

09 November 2023

09:00-09:05pm UTC	Introduction day 3
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09:05-09:40pm	<p>Third set of report from regional, national network and global programs perspective (Convener: Elizabeth Shadwick (CSIRO))</p> <p>09:05. Edward Mawji (NOC Southampton). Seasonal and inter-annual variations of dissolved oxygen in the North Atlantic over a 7-year time period (PAP-SO)</p> <p>09:15. Jin-Yong Jeong (Korea Insitute of Ocean Science & Technology). KIOST Sites</p> <p>09:25. Raquel Somavilla (IEO, CSIC). Santander Atlantic Time-Series, SATS, Updates</p> <p>09:35. James Potemra (University of Hawaii). ALOHA Station Updates</p> <p>09:45. Richard Lampitt (NOCS). Deep ocean particle flux in the Northeast Atlantic over the past 30 years.</p>
09:55-10:50pm	<p>Discussion session on ecological time series: science strategies.</p> <p>The purpose of this session is to define the next steps to help implement systematic biological sampling and enhance bio/ecological data progress into GOOS data system making progress on the specific questions e.g: What mature autonomous technology exists to study ocean biology and biogeochemistry on mooring? Do we need some sort of mapping exercise to identify where they have been successfully used: what is being done where? How do we move forward to make it happen systematically world wide? Can we define a minimum set of bio/eco variables that should be tried to be measured systematically by autonomous technology?</p> <p>Conveners: Andrew Gates (NOC) and Raquel Somavilla (IEO)</p> <p>Speakers: Emmanuel Boss (University of Maine) SCOR group on Integration of Plankton-Observing Sensor Systems to Existing Global Sampling Programs (P-OBS) Heather Benway (WHOI). METS (Marine Ecological Time-Series) Network.</p>
	5' break
10:55-11:50	<p>Towards an OceanSITES Best Practices Strategy.</p> <p>The session will Introduce the global concept for Best Practices, including GOOS & OceanSITES “endorsed” Best Practices, and provide several examples for SOPs, manuals, work instructions, and etc. We would like to start discussion of the next steps needed to arrive at a comprehensive catalog of BPs endorsed by OceanSITES and covering all operations and parameters.</p>

	<p>Conveners: Iwao Ueki (JAMSTEC) & J. Karstensen (GEOMAR)</p> <p>Speakers:</p> <p>Johannes Karstensen (GEOMAR) Global concept for Best Practices</p> <p>Laura Riihimaki (NOAA) Ocean Radiometer Best Practices</p> <p>Rebecca Hummels (GEOMAR) Data QC and archiving toolbox for Matlab</p> <p>Rebeca Cowley (CSIRO) IMOS Best Practices</p>
11:50-12:05pm	Final remarks of the meeting & closure