

OceanSITES:

12th Science Committee (SC) and 8th Data Management Team (DMT) meeting



July, 2nd to July, 6th 2018

Kunsthalle Kiel, Düsternbrooker Weg 1, 24105 Kiel **and**
GEOMAR (Westshore building), Düsternbrooker Weg 20, 24105 Kiel

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Website: <http://conferences.geomar.de/event/OceanSITES>

Monday, 2. July 2018 (Kunsthalle Kiel)

13:00	Registration (set up poster, ...)
13:30	Welcome, Logistics (Johannes Karstensen, Uwe Send)
13:45	<p>Science sessions: 1. OceanSITES Multidisciplinary Observing (Chair: Richard Lampitt)</p> <p>13:45-14:05 Fernando Santiago-Mandujano, The ALOHA Station, a Super-Site</p> <p>14:05-14:25 Nathan Anderson, Challenges of Measuring Salinity at the Bottom of the Kuroshio Extension Observatory (KEO) Mooring</p> <p>14:25-14:45 Jin-yong Jeong, The Ocean Research Stations(ORSs) in the YECS as the long- term and multidisciplinary ocean observatories</p> <p>14:45-15:05 Meghan Cronin, OceanSITES Diurnal Cycle products</p> <p>15:05-15:25 Felix Janssen, FRAM-Enabling year-round multidisciplinary multi-platform observations in the Arctic</p>
15:30 – 16:00 COFFEE BREAK	
	<p>Science sessions: 1. OceanSITES Multidisciplinary Observing (Chair: Doug Wallace)</p> <p>16:00-16:20 Tom Trull, Autonomous multi-tropic observations of Southern Ocean production and export</p> <p>16:20-16:40 Alban Lazar, A Coastal Ocean Observatory for marine Climate, CO₂ and Acidification in the Atlanto-Pacific region</p> <p>Science session: 2. OceanSITES and Ocean Observing system</p> <p>16:40-17:00 Mike McCann, Visualizing OceanSITES data along with data from Lagrangian Platforms and Sensors</p> <p>17:00-17:20 Zhu, Lijuan, Construction and operation of the buoy observation station in Maldives</p> <p>17:15-17:35 Raquel Somavilla-Canbrillo, Recent changes in the North Atlantic Ocean climate and biogeochemistry observed from SATS</p> <p>17:40-18:00 Björn Fiedler, Moving towards integration – where do ships meeting moorings?</p>
18:00 20:00	<p>ICEBREAKER AND POSTER SESSION (SPONSORED BY NORTEK AS AND BORNHÖFT GMBH)</p>
	 

Tuesday, 3. July 2018 (Kunsthalle Kiel)

09:00 11:00	<p>Science session: 2. OceanSITES and Ocean Observing system (Chair Tom Trull)</p> <p>09:00-09:20 Michael McPhaden, RAMA-2.0</p> <p>09:20-09:40 Marilean Oltmanns, Increased risk of a shutdown of ocean convection posed by warm North Atlantic summers</p> <p>09:40-10:00 Ingo Schewe, Insights on the virtual research infrastructure 'Observation to Archive' (O2A)</p> <p>10:00-10:20 Matthias Lankhorst, Deep T & S Working Group</p> <p>10:20-10:40 Richard Lampitt, Update on the PAP observatory</p> <p>Time Serie Management & technologie & Data</p> <p>10:40-11:00 Mike McCan, Visualizing OceanSITES data along with data from Lagrangian Platforms and Sensors</p>
11:00-11:30 COFFEE BREAK	
11:30- 13:00	<p>SC Meeting</p> <p>General topics:</p> <ul style="list-style-type: none"> ● Activity report (Chairs & Exec & TC) ● Action items last meeting ● Network overview (Jiang Long, Johannes) - JCOMMOPS Version versus own view (latest XLS file) ● What is the OceanSITES observing Network: overview (Johannes) <ul style="list-style-type: none"> ○ What is a JCOMM observing network – the JCOMM OCG view (Johannes) ○ Review selected standard documents (add links - Long!) Uwe Send: <ul style="list-style-type: none"> - "What is", mission, benefits, governance, etc, -GOOS Network specification sheet - (eventually refer edits to ad hoc breakout groups) ○ Goals, targets, metrics (Doug Wallace): <ul style="list-style-type: none"> - Key performance indicators " (KPI) discussion – JCOMM OCGs view (Johannes) (ref. Document: "What is an JCOMM network) - Definition of KPIs?
13:00-14:00 LUNCH BREAK (LIGHT MEAL PROVIDED)	
14:00- 18:30	<p>JCOMM/JCOMMOPS (1.5h Johannes, Mathieu Belbeoch, JCOMMOPS)</p> <ul style="list-style-type: none"> ● What does it mean to be part of JCOMM? Expectations from both sides ● OceanSITES as it is currently visible in JCOMMOPS (Mathieu) ● The Implementation process for the OceanSITES Metadata management via JCOMMOPS <ul style="list-style-type: none"> ○ "Translator" between OceanSITES nomenclature and JCOMMOPS nomenclature (e.g. what is a "platform") ● Examples for how to integrate metadata ● Communication strategy with JCOMMOPS if adjustment is needed
16:00-16:20 COFFEE BREAK	
	<ul style="list-style-type: none"> ● Site categories (Bob Weller) <ul style="list-style-type: none"> - do we want to site categories? And do we keep the one agreed on last time? - do we want to create target maps for each category ? - what variables do we want to be searchable (e.g. to create live maps) ? <p>PLEASE remove your Poster!</p>
19:00	JOINT DINNER AT THE KIEL FJORD (ORGANIZED – BUT PAID ON YOUR OWN)

Wednesday, 4. July 2018 (Kunsthalle Kiel)

09:00	<p>SC meeting Task Teams/Working Groups (reports)</p> <ul style="list-style-type: none"> ● Deep Ocean Challenge (Matthias Lankhorst) ● Development Committee (Tony Knap - remote??; Richard Lampitt) ● Ocean Indicators and Products (Meghan Cronin) - link to DMT/ Kevin's work ● Need for other TT (Johannes Karstensen) <ul style="list-style-type: none"> ○ Observing the remote regions (e.g. OOI global nodes; SOOS link, Arctic) Bob Weller ○ Flux reference sites (Meghan Cronin) ○ TT that match "JCOMM/GOOS thematic networks"? (Johannes)
10:00	<p>Users of OceanSITES Data and infrastructure: Thematic networks</p> <ul style="list-style-type: none"> ● What do we have to improve to get visibility and to support these thematic observing networks? JCOMMOPS role ● IGMETS (Björn Fiedler), GOA-ON (Adrienne Sutton), DOOS (Felix Janssen), GOOS Panels (IOCCP - Björn Fiedler; GOOSBioEco; Richard Lampitt??) ● Modelling Community - what are our expectations?
11:00-11:20 COFFEE	
11:20-13:00	<p>OceanSITES sites/arrays</p> <ul style="list-style-type: none"> ● Discuss the linkages to the programs, what needs to be improved? Discussion (Richard Lampitt) about <ul style="list-style-type: none"> ○ Tropical moored arrays (Mike McPhaden) – how to resolve the apparent DBCP/OceanSITES ○ EMSO-ERIC (Richard Lampitt); IMOS (Tom Trull); SOOS (Pip remotely); Arctic Observing (INTarOOS person?, Ursel Schauer); AtlantOS (Richard, Ursel Schauer); ICOS (Tobias Steinhoff) ○ New UK Eulerian Programme (Richard Lampitt)
13:00-14:00 LUNCH BREAK (LIGHT MEAL PROVIDED)	
14:00-16:00	<p>Joint SC and DMT</p> <p>DMT Issues (Derrick Snowden; Karen Grissom)</p> <ul style="list-style-type: none"> ● <i>Overall status of GDAC holdings (total number of files, deployments, sites; new sites etc. Any metrics that can help monitor the status/health of the system)</i> ● <i>Review of real-time streams coming in (how does that link to DBCP?)</i> ● <i>User interface for accessing data</i> ● <i>Observational data (status)</i> ● <i>How to stimulate submissions or: what prevents site operators to submit data?</i> ● <i>Increase engagement in DMT from data managers</i> ● <i>New services (ERDDAP etc)</i>
16:00-16:20 COFFEE	
16:20-18:00	<p>DMT Issues (Derrick Snowden; Karen Grissom; Thierry Carval)</p> <ul style="list-style-type: none"> ● <i>Relation with NCEI, archiving, etc</i> ● <i>Best practices for data, data QC</i> ● <i>Introduction of OCG Vice-Chair for Data Management and OCG Goals for Data Discovery and</i>

	<p><i>ERDDAP (and any relation to JCOMMOPS) - potentially bring/configure data Friday (Kevin O'Brien)</i></p> <ul style="list-style-type: none"> ● <i>Linking OceanSITES to the increasing number of Data Discovery Portals that are proliferating worldwide (SeaDataNet, US NCEI, Pangea, etc) How does this affect KPIs? How do we deal with members who are submitting data elsewhere (and don't want to repeat the process on our GDACs)</i> ● <i>OceanSITES Products (mixed layer, heat content, transports heat/freshwater, long time series,...) – DOIs, Obs4MIPs,</i>
18:00	<p>Exec Team meeting (location tbd. Maybe meeting room Physical Oceanography, 1st Floor)</p> <ul style="list-style-type: none"> ● <i>Are we all clear about what is difference between DBCP and OceanSITES?</i> ● <i>Finance/Sponsors</i> ● <i>Co-Chairs</i> ● <i>Technical coordinator (role, expectations)</i> ● <i>Open discussion on future of OceanSITES</i> ● <i>Whitepaper OceanObs19</i> ● <i>.....</i>

<p>Thursday, 5. July 2018 (GEOMAR Westshore building; Duesternbrooker Weg 20, 24106 Kiel) Grosser Konferenzraum & Kleiner Konferenzraum</p>	
<p>split DMT & SC meetings</p>	
<p>08:30 11:00</p>	<p>DMT meeting (parallel)</p> <ul style="list-style-type: none"> ● Review of the Linked Open Data work being done in Europe under AtlantOS and related programs. (Louise Darroch) ● Vocabularies and embedding links in netCDF vs using human readable terms in the file (i.e. self describing files vs linked open data/semantic web)Usage metrics (Who is using the data from each GDAC)
	<p>SC meeting (parallel) Governance and housekeeping:</p> <ul style="list-style-type: none"> ● OceanObs19 paper (Uwe Send, Richard Lampitt) ● Financial contributions (Jiang Long) ● Review of governance rules (Doug Wallace) ● Role of Google drive in running the teams (Jiang Long)
<p>11:00-11:30 COFFEE BREAK</p>	
<p>11:00-13:00</p>	<p>DMT meeting (parallel)</p> <ul style="list-style-type: none"> ● Data DOIs (where issues) (Helen and/or Louise Darroch and/or Thierry) <ul style="list-style-type: none"> - Status of other program implementation esp in Europe - Need for a “handbook/how to” ● Data format updates ● Updates for the data manuals/handbooks
	<p>SC meeting (parallel) Cross network Best Practices/handbooks (Bob Weller)</p> <ul style="list-style-type: none"> ● What is out there? JCOMM/OBP group IODE (Johannes) ● site management (starting point: FixO3 handbook; Laurent Coppola) ● Instrument processing (Johannes) ● Quality control (Matthias Lankhorst) ● Matlabs script and others e.g. mooring design program; <p>Capacity building - POGO? (Meghan Cronin)</p> <ul style="list-style-type: none"> ● Any activities to report? ● What is our strategy here?
<p>12:30-13:30 LUNCH BREAK (LIGHT MEAL PROVIDED)</p>	

<p>13:30 16:00</p>	<p>Joint Wrap up session for SC & DMT</p> <p>Input from Splitter sessions (if requested)</p> <p>Increasing awareness, promotion of OceanSITES (Meghan Cronin)</p> <ul style="list-style-type: none"> • Suggesting a “standard” acknowledgement in papers • Website: Why do we have one?; Improvements: News section (frequency, responsibility); Literature database; Maps (via JCOMMOPS); “Success stories” of Task Teams on website, Mooring Software (Phyton/Matlab/etc.) <p>Next steps for OceanSITES</p> <ul style="list-style-type: none"> • Next meeting • Actions
<p>16:15- 20:00</p>	<p style="text-align: center;">Farewell Symposium for Dr. Jürgen Fischer (GEOMAR Hörssal)</p> <p style="text-align: center;">(pre-registration required - ask jkarstensen@geomar.de)</p>

<p>Friday, 6. July 2018</p> <p>GEOMAR Westshore building; Duesternbrooker Weg 20, 24106 Kiel</p> <p>Kleiner Konferenzraum</p>	
<p>09:00 13:00</p>	<p>DMT meeting</p> <ul style="list-style-type: none"> • specific data format issues • Looking a technical issues individual teams have • checking individual data holdings • trying to fill gaps in data inventory • The Implementation process for the Metadata via JCOMMOPS from DMT side • Exchange metadata between OceanSITES/JCOMMOPS • Other DMT issues with JCOMMOPS <p><i>Coffee provided (11:00)</i></p>