AGENDA

Mon 25 April, PM (1330h - 1930h)

Plenary Science Session

• Welcome and meeting overview/objectives (Professor Ed Hill (NOC Director), Lampitt, Weller/Send)
• Science talks

1400 Stephanie Henson “Observing climate change trends in fixed point observatory data” (40+10 min)
1450 Vanessa Cardin “Effects of the Eastern Mediterranean Sea circulation on the thermohaline properties as recorded by fixed deep-ocean observatories” (10+5min)
1505 George Petihakis “ADCP observations of migration patterns of zooplankton in the Cretan Sea” (10+5min)
1520 Roberto Bozzano “Multidisciplinary Observations from the W1M3A Observatory in the Ligurian Sea” (10+5min)
1535 Refreshments
1600 Richard Lampitt “Insights from PAP after 30 years of observation” (10+5min)
1615 Penny Holliday “Overturning in the sub-polar North Atlantic: OSNAP” (10+5min)
1630 Karin Larsen “Transport mooring arrays in NAACLIM” (10+5min)
1645 Andrey Proshutinsky “Beaufort Gyre moorings” (given by Weller) (10+5min)
1700 Wilken-Jon von Appen "Recent science results from the Frontiers in Arctic Marine Monitoring (FRAM) observatory in Fram Strait" (10+5min)
1715 Femke de Jong “Results from LOCO/CIS and future plans” (10+5min)
1730 Jin Yong “Introduction of new stations from Korea” (10+5min)
1745 Andrés Cianca “ESTOC: Scientific progress and new insights from current observations” (10+5min)
1800 Poster session (science and vendors) and reception
1930 Dinner at delegates’ choice of restaurant in Southampton (restaurant list available)
1930 Executive Committee meeting

Tue 26 April, AM (09:00 – 12:00)

Plenary Science Session

Highlights from OceanSITES time series (greatest hits, 5min of your hottest results) (Send, Weller)

• NZOTS-STM AND SAM Scott Nodder (9:00 am on Webex)
• WHOTS HOT @ ALOHA Roger Lukas (9:15 am on Webex)
• Activities at the Kuroshio Extension Observatory and Station Papa Meghan Cronin
• Detection of Fukushima-derived particulate radio-cecium in the deep of the western Pacific Makio C. Honda
- Physical and biogeochemical long term changes and rapid anomalies observed in the Northwestern Mediterranean Sea (from DYFAMED, LION and ANTARES time series -MOOSE network) **Laurent Coppola**
- Observed changes in two high-latitude branches of the AMOC during the two last decades **Karin Margretha H. Larsen**

**10.30 am Refreshments**

- Denmark Strait Overflow - Angmagssallik Array **Stephen Dye (Cefas)**
- Highlights from the STRATUS mooring **Robert Weller**
- Highlights from the CCE moorings **Uwe Send**
- 16 Years at 16N: the Meridional Overturning Variability Experiment (MOVE) **Matthias Lankhorst**
- MOIN Revisited: the Minimalist OceanSITES Interdisciplinary Network. And plans for biogeochemical moorings in the Labrador Sea **Douglas Wallace**

**12.00 pm Lunch**

---

**Tue 26 April, PM (13:00 – 17:00)**

**Steering Committee**

- Summary of progress and status
  - a) overview from chairs including OCG/OOPC discussions (**Send, Weller**)
  - b) network status (**Gallage**)
  - c) GDAC holdings/Archive holdings (**Snowden**)
  - d) project office progress (**Gallage**)

- Review of potential new members and new types of sites (**Send**)

**3.00 pm Refreshments**

- Goals/targets for OceanSITES network (**Weller, Wallace, Lampitt**)
  - a) requirements
  - b) global plan
  - c) metrics of success

- AtlantOS contributions to OceanSITES (**Wilken-Jon von Appen**)

- Capturing OceanSITES science and value (**Wallace**)

- Review of Action items for the day (**Gallage**)

---
**Wed 27 April, AM (09:00 – 12:00)**

**Steering Committee**
- Promotion of OceanSITES (*Knap*)
- Strategy to achieve better global coverage, assistance for new sites (*Lampitt*)
- Next steps and challenges for OceanSITES (e.g. MOIN ?) (*Wallace*)
- Products (implement one per year ?) (*Honda*)

**10.30 am Refreshments**
- OceanSITES in the context of JCOMM OPS, DBCP, GOOS (responding to taskings, how to improve benefits from these groups) (*Weller*)
- Bibliography (*Gallage*)
- Developing working groups to revise documents, improve website, build bibliographies (*Cronin*)

**12.00 pm Lunch**

---

**Wed 27 April, PM (13:00 – 17:00)**

**Steering Committee**
- Governance work (memberships, Executive Committee, stakeholder group,...) (*Weller*)
- Electing new co-chairs (*Stanitski*)
- How to make OceanSITES function better (*Lampitt*)
- Interaction with other communities (CLIVAR, modeling, IMBER,...) (*Wallace*)
- Relation and interaction with GEO (*Chavez*)

**Data Management Team**
- What are the roles/responsibilities of DMT members? (*Galbraith*)
  - What is the mission of the DMT? What are the roles/responsibilities/expectations of DMT members?
  - What tools do we need to collaborate better?
  - Are there opportunities for support that we can develop?
  - What documents are we responsible for, and how do we keep them up to date?
  - Are there changes to the telcons that would make the group more effective?
  - Conclude with recommendations for EC to be discussed Thursday
- Deep observing network (review of instrument types/pools, allocation, collaboration with Seabird, data QC) *(Lankhorst)*

### 3.00 pm Refreshments

- Path forward with great examples on Website and PPT slides to share *(Baringer)*

- Housekeeping, funding (e.g. for project office), next meeting,... *(Send)*

- Review of Action items for the day *(Send)*

---

**Thu 28 April, AM (09:00 – 12:00)**

*Joint Steering Committee and DMT*

- Short summary of System Status from GDACs, including description of Archiving at NCEI *(Carval/Zhou)*

- Discussion of real-time data streams *(Carval/Zhou)*

- Products and services promoting OS Data visualization, access, and discovery *(Kevin O’Brien/Snowden)*
  - OSMC ERDDAP Server
  - NCEI Archive (Search OceanSITES at [http://data.nodc.noaa.gov/geoportal/catalog/search/search.page](http://data.nodc.noaa.gov/geoportal/catalog/search/search.page))
  - NOAA Catalog
  - US IOOS Catalog

- Incentives for participation *(Justin Buck, BODC)*
  - Digital Object Identifiers
  - Tools for use, visualization
  - Quality control

### 10.30 am Refreshments

- System status *(Carval/Zhou)*
  - Can we estimate how much data is available at the GDACs and compare with known projects.
  - Report on sites not yet integrated into the system
  - Major Challenges
  - Metrics that we currently have the ability to collect at the GDACs

- Preservation of OceanSITES data at NOAA/NCEI *(Grissom)*

- Preparatory discussion of improvements in data submission, including gaps in our ability to know what is out there *(McCann/Gallage)*

- Open session for tools demonstration *(McCann)*

- Review of Action items for the day *(Lankhorst/Gallage)*
● Carbonate System Data, SOCAT, IOCCP, etc (Benjamin Pfeil)

● Data QC and best practices (Buck/Darroch)
  ➢ Data format is capable of encoding a variety of QC protocols.
  ➢ Is there data in OceanSITES, not currently QC’d at all and if so is this a DMT issue or Steering Team issue?
  ➢ Perspectives/challenges from integrated projects such as AtlantOS

12.00 pm Lunch

Thu 28 April, PM (13:00 – 17:00)

Joint DMT and Steering Committee

● NOAA Overview / Program Management (Stanitski/Arrigo)

● DMT recommendation on strategy/tools for improving data submission rate, including an assessment of the limitations of our current system (McCann/Diggs)

● How to expand base of data users or data contributors (N Anderson)
  ➢ Assessment of data user guide
  ➢ Open source tools for access and use (example Matlab/Python scripts), use of Github
  ➢ What other tools might make OceanSITES DMT more effective?

● Discussion of range of variable currently received, and how to make this more homogeneous (Lankhorst)

● Data aspects of Deep Observing Network (Lankhorst)

● OceanSITES website (Gallage)

3.00 pm Refreshments

● DMT report on DMT challenges (Snowden)

● Expectations from DMT (Send)

● Creation and dissemination of products (Cronin)

● Agree on goals for next 12 months and next 5 years (Weller)

● Review of Action items for the day (Lankhorst/Gallage)

Fri 29 April, AM (09:00 - 12:00)

Data Management Team

● Open discussion (issues surfaced during the week) (Diggs/Snowden)
- Further discussion on improving data submission rate, calculation of metrics, limitations of current system and/or documentation (McCann/Diggs)

- The Gory details of ERDDAP Integration (Kevin O’Brien)
  a) Why the OceanSITES data system doesn’t lend itself to creating integrated data sets.

- Data formats: format 1.3 (Galbraith, Lankhorst)
  ➢ Report from first few months of experience, good or bad?
  ➢ Additional editorial updates?
  ➢ Identify "use cases" or requirements for future formats; what can we presently not express but would like to in the future?
  ➢ How important is it to remain compliant with external standards?

### 10.30 am Refreshments

- Lessons learned from Argo data format (Justin Buck)
  on-going upgrade of the Argo formats has had a large impact of the Argo data system, causing delays and staff resource issues

- Review of Action items summary (Lankhorst/Gallage)

### 12.00 pm Lunch

**Fri 29 April, PM (13:00 – 16:00)**

*Technical work session for Data Management Team*

- Continuation of morning session if necessary.

**3.00 pm Refreshments**