

## AGENDA

Wednesday, 23<sup>rd</sup> August 2017

**12:15 - 13:00** Lunch - provided by IOCCP

### Theme session 1: SOCAT – Update and road ahead

*Leads:* Dorothee Bakker (UEA, UK), Kim Currie (NIWA, New Zealand) & Are Olsen (UiB, Norway)

#### 13:00 - 13:15 Ongoing and future activities

*Speaker:* Dorothee Bakker (UEA, UK) – 15 min, including:

- **Data upload** - Camilla Landa (UiB, Norway) – 5 min
- **Automation of metadata upload** - Kevin O'Brien (NOAA PMEL, USA) – 3 min
- **Sea surface temperature, salinity and atmospheric pressure**
- **Other surface water parameters**
- **Surface water CH<sub>4</sub> and N<sub>2</sub>O using SOCAT infrastructure** - Tobias Steinhoff (GEOMAR, Germany) with input from MEMENTO group – 3 min

#### 13:15 - 14:00 Discussions on:

- **SOCAT quality control**

*Speaker:* Siv Lauvset (Uni Research Climate, Norway) – 5 + 10 min

- **Atmospheric CO<sub>2</sub> – Value added, requirements**

*Speaker:* Jonathan Bent (NOAA ESRL, USA) with input from Penelope Pickers – 5 + 10 min

- **Calculated surface water fCO<sub>2</sub> from new observing platforms**

*Speaker:* Rik Wanninkhof (NOAA AOML, USA) – 5 + 10 min

### Theme session 2: GLODAP – Update and road ahead

*Leads:* Are Olsen (UiB, Norway) & Siv K. Lauvset (Uni Research Climate, Norway)

#### 14:00 - 14:15 Introduction

*Speaker:* Are Olsen (UiB, Norway) – 10 + 5 min

#### 14:15 - 14:30 Data product QC and its shortcomings

*Speaker:* Toste Tanhua (GEOMAR, Germany) – 10 + 5 min

#### 14:30 - 14:45 Mapped product and why the error fields are so important

*Speaker:* Siv Lauvset (Uni Research Climate, Norway) – 10 + 5 min

#### 14:45 - 15:00 The robots are coming

*Speaker:* Henry Bittig (LOV, France) – 10 + 5 min

### Theme session 3: Time Series – Data coverage and availability

*Lead:* Björn Fiedler (GEOMAR, Germany)

- 15:00 - 15:15**      **Time Series Introduction** [*presentation*]: **Global initiatives/communities, OceanSITES, OCB/IOCCP, IGMETS, GOA-ON**  
*Speaker:* Björn Fiedler (GEOMAR, Germany) – 15 min
- 15:15 - 15:30**      **Time Series Data availability** [*presentation*]: **Status Quo, motivation and need for time series data product**  
*Speaker:* Björn Fiedler (GEOMAR, Germany) – 15 min
- 15:30 - 16:00**      **Time Series Data product** [*discussion*]: **User/community needs, desired structure, quality control, establishment of a working group, fund raising opportunities**  
*Speakers:* IOCCP SSG Members and auditorium – 30 min

**16:00 - 16:30**      **Coffee break - provided by IOCCP**

### Theme session 4: Autonomous Sensors – What happens between unpacking the box and providing a useful information product?

*Lead:* Douglas Connelly (NOC, UK)

- 16:30 - 16:50**      **Autonomous Sensors - what happens between unpacking the box and providing a useful information product**  
*Speaker:* Douglas Connelly (NOC, UK) – 20 min
- 16:50 - 17:05**      **Discussion topic: Biogeochemical EOVS, gaps and what sensors we need**
- 17:05 - 17:20**      **Discussion Topic: Funding opportunities for Intercalibration exercises, training courses and further sensor development**
- 17:20 - 17:30**      **Summary of discussion sessions**

### Theme session 5: Carbon Data Management – Challenges and solutions

*Lead:* Benjamin Pfeil (UiB, Norway)

- 17:30 - 17:40**      **CDIAC/NCEI OCADS: Recent changes and outlook**  
*Speaker:* Alex Kozyr (NOAA NCEI, USA) - 7 min + 3 min questions
- 17:40 - 17:55**      **Present state, challenges and outlook of a global CO<sub>2</sub> data management: data products, GDAC, cross EOVS integration, data integration from sensor data**  
*Speaker:* Benjamin Pfeil (UiB, Norway) - 12 min + 3 min questions

- 17:55 - 18:05**      **Data integration: what can we learn from other communities?**  
*Speaker:* Kevin O'Brien (UW/NOAA PMEL, USA) - 7 min + 3 min questions
- 18:05 - 18:15**      **The next step of integrated data management example RI ICOS**  
*Speaker:* Alex Vermeulen (ICOS ERIC, Sweden) - 7 min + 3 min questions
- 18:15 - 18:30**      **General discussion**