Workshop on
"Underway CO$_2$ data and metadata quality control procedures"

1-3 April 2019
Institute of Oceanology Polish Academy of Science (IO PAN), Sopot, Poland

AGENDA

MONDAY, 1 April 2019

08.30-09.00   *Registration and coffee*

09.00-09.15   **Local logistics, tour de table** *(Maciej Telszewski, IO PAN, Poland)*

09.15-09.45   **Surface carbon observations in a global context - From requirements-driven observations, through high quality data to fit-for-purpose information delivery.** *(Maciej Telszewski, IOCCP Project Director)*

09.45-10.15   **History of the surface ocean CO$_2$ observations in the Baltic Sea - from Kurt Buch to INTEGRAL** *(Bernd Schneider, IOW, Germany)*

10.15-11.00   **Workshop Session 1 – Logistics, challenges and to-do's of collecting underway CO$_2$ data and SOCAT-worthy sensors data** *(Siv Lauvset, UiB, Norway, IOCCP Expert for data synthesis products)*

11.00-11.30   *Coffee break*

11.30-13.00   **Workshop Session 2 – Data reduction (QC1) with more common challenges, metadata needs indicating good practice and relevant auxiliary measurements** *(Siv Lauvset)*

13.00-14.30   *Lunch break*

14.30-16.00   **Workshop Session 3 – Data submission to SOCAT. General introduction to SOCAT, automated data submission system (background and hints), automated metadata submission system (background and hints).** *(Siv Lauvset and Maciej Telszewski)*
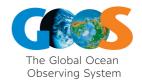
16.00-16.15   *Coffee break*

16.15-17.30   **Workshop Session 4 – Data quality control (QC2) in SOCAT – background on the efforts, groups behind it, workload, flagging system explained. SOCAT Interactive data viewers, background of usability and uses.** *(Siv Lauvset)*

18.30   *Self-paid group dinner in Sopot (TBC)*

TUESDAY, 2 April 2019

08.30-09.00	*Coffee*

09.00-10.30 **Practical Session 1 - Data reduction in your lab (QC1) with more common challenges, metadata needs indicating good practice (SOCAT flags A and B compatible and good sensor data), auxiliary measurements** *(Siv Lauvset)*

10.30-11.00   *Coffee break*

11.00-12.30 **Practical Session 2 – Data submission to SOCAT, automated data submission system demonstration, automated metadata submission system demonstration.**

12.30-14.00   *Lunch break*

14.00-15.30 **Practical Session 3 – Data quality control (QC2) in SOCAT – demonstration. SOCAT Interactive data viewers - demonstration** *(Siv Lauvset)*

15.30-16.00   *Coffee break*

16.00-17.00 **Practical Session 4 – general Q&A session related to practical aspects of data and metadata collection, reduction, submission and quality control** *(Siv Lauvset)*

17.00   *End of Day 2*

WEDNESDAY, 3 April 2019

09.00-10.30 **Workshop Session 5 – Applications of SOCAT data: global mapping, flux and budget calculations, model validation and evaluation, local and regional process studies.** *(Siv Lauvset, Maciej Telszewski and Bernd Schneider)*

10.30-11.00   *Coffee break*

11.00-12.30 **Future of SOCAT – challenges, opportunities, community needs** *(Siv Lauvset and Maciej Telszewski)*

12.30-13.30   *Lunch and meeting adjourned*