

# W10 POC/BIO Workshop

## Carbon data synthesis workshop

Co-Convenors: Masao Ishii (Japan) and Robert M. Key (U.S.A.)

This workshop will be a major step forward in the implementation of the North Pacific carbon data synthesis. Investigators who submit data to the synthesis will collectively review the progress of the QA/QC process, and discuss the degree of success of the techniques applied and whether different or additional approaches are necessary. This is a highly «hands-on» activity that will involve data originators who submit data to the synthesis and investigators participating in the synthesis processes, and will lead directly to value-added data products and collective publications.

### Day 1, Friday October 23 (9:00-18:00)

9:00 **Masao Ishii**  
Introduction: Background and goal of the workshop

#### Related activities

9:20 **R.M. Key, S. Jutterström, M. Hoppema, A. Olsen, T. Tanhua and D.W.R. Wallace (Invited)**  
The CARINA data product (W10-5844)

10:00 **M. Aoyama**  
Global nutrient data synthesis for WOCE and CLIVAR data based on Reference Material for Nutrients in Seawater

10:40 *Coffee / tea break*

#### Overview of the datasets

11:00 **Toru Suzuki**  
Overview of the Pacific carbon data collected

#### Some details of dataset and regional decadal trend: Report from each PI or WG

11:15 **Christopher Sabine**  
US CLIVAR Repeat Hydrography/CO<sub>2</sub>

11:30 **Akihiko Murata**  
JAMSTEC's Repeat Hydrography/CO<sub>2</sub>

11:45 **Wakita**  
Western North Pacific repeat-lines and time-series stations by Hokkaido University, and JAMSTEC-MIO

12:00 **Masao Ishii**  
Western North Pacific repeat-lines by MRI/JMA

12:15 **Masao Ishii**  
Equatorial Pacific

12:30 *Lunch*

14:00 **Sasaki** (or Bullister)  
CFCs in the Pacific

**Implementation of the 2nd-level QC**

- 15:00      **Toru Suzuki**  
Method of the 2nd-level QC using Matlab and the role of each WG. The working group web portals (created by T. Suzuki).
- 15:30      **Coffee / tea break**
- 16:00      Discussion: How to implement the 2nd-level QC and publication of database
- 18:00      **Day 1 Workshop ends**

**Day 2 Saturday, October 24 (9:00-12:30)**

- 9:00      Discussion: The time plan toward the completion of the Pacific data synthesis.  
General discussion
- 10:30      **Coffee / tea break**
- 12:30      **Workshop ends**
- 14:00      CC-S Meeting

**W10 Poster**

- W10-5733   **Chihiro Miyazaki, Shin-ichiro Nakaoka and Yukihiro Nojiri**  
NIES ocean  $p\text{CO}_2$  measurement of VOS over the Western Pacific