

## **4D-BGC-Relevant Posters/Presentations at Ocean Sciences 2026**

### **Sessions:**

**Thu, Feb 26; Hall 4 (Poster Hall) - SEC; 4:00pm - 6:00pm**

CC44C: Marine Environment Reanalyses and Four-Dimensional Data-Driven Models: Progress and Applications I Poster

**Fri, Feb 27; Alsh - SEC; 2:00pm - 3:30pm**

CC53A: Marine Environment Reanalyses and Four-Dimensional Data-Driven Models: Progress and Applications II Oral

### **Presentations:**

**Mon, Feb 23; Hall 3, Tidal Pool - SEC; 8:30am - 8:40am**

An intercomparison of the global ocean gridded dissolved oxygen data products for climatology and annual cycle (**DO11A-01**) - J. Du et al.

**Mon, Feb 23; Lomond Auditorium - SEC; 9:10am - 9:20am**

Amplified Subsurface pCO<sub>2</sub> Signals and their Seasonal Re-emergence in Observations and Ocean Biogeochemical Models (**CC11B-05**) - M. Arroyo et al.

**Mon, Feb 23; Hall 3, Tidal Pool - SEC; 2:00pm - 2:10pm**

A Coordinated Intercomparison of Observation-based Mapping Methods to Quantify Ocean Deoxygenation (**CC13C-01**) - J. Sharp et al.

**Mon, Feb 23; Board 0453, Hall 4 (Poster Hall); 4:00pm - 6:00pm**

From sparse observations to high-resolution maps: A new data-driven approach to investigate the mismatch between observed and modelled ocean deoxygenation trends (**OB14A-0453**) - A. Olivelli et al.

**Mon, Feb 23; Board 0969, Hall 4 (Poster Hall); 4:00pm - 6:00pm**

Offsets in Historical Oxygen Observations and the Impacts on the Ocean Oxygen Change (**CC14E-0969**) - Y. Sun et al.

**Tue, Feb 24; Forth - SEC; 9:20am - 9:30am**

Ten-year increase in Southern Ocean dissolved inorganic carbon inventory detected by BGC-Argo floats (**HE21B-06**) - G. Liniger et al.

**Tue, Feb 24; Board 0498, Hall 4 (Poster Hall); 4:00pm - 6:00pm**

Unraveling Oxygen Minimum Zone Dynamics: Constraining Model Simulations with Observational Data Products for Improved Carbon Export Insights (**OB24B-0498**) - L. Moseley et al.

**Wed, Feb 25; Board 0905, Hall 4 (Poster Hall); 4:00pm - 6:00pm**

Estimating Ocean Heat and Carbon Uptake and Transport from Novel Earth Observation-informed Machine Learning-based Data Products (**CC34C-0905**) - D.J. Burt et al.

**Thu, Feb 26; Forth - SEC; 8:50am - 9:00am**

Uncovering the spatial redistribution of the biological carbon pump (**OB41A-0**) - L. Delaigue et al.

**Thu, Feb 26; Boisdale - SEC; 2:51pm - 3:03pm**

Reconstructing the Global Ocean Carbon Sink and Its Variability with Machine Learning and a Water Mass-Based Inverse Method (**CC43C-05**) - T. Ehmen et al.

**Thu, Feb 26; Board 1906 Hall 4 (Poster Hall); 4:00pm - 6:00pm**

Jingwei: AI Foundation Model Reconstructs Global Ocean Element Cycles Under Climate Change (**DO44C-1906**) - B. Lu et al.

**Thu, Feb 26; Board 0596, Hall 4 (Poster Hall); 4:00pm - 6:00pm**

Interannual variability in high-latitude oxygen ventilation (**OB44L-0596**) - J. Koelling et al.

**Fri, Feb 27; Alsh - SEC; 3:15pm - 3:25pm**

Investigating Overlapping Biogeochemical Impacts of Ocean Interior Regenerated and Anthropogenic Carbon Change Using Observation-based Data Products (**CC53A-08**) - S. Walker et al.