Methods and Madness in Sea Ice Biogeochemistry

Intercomparisons of Observational Techniques

SCOR working group 140 on Biogeochemical Exchange Processes at the Sea-Ice Interfaces (BEPSII) task group on methodologies

The Problem

- Community composition
- Photosynthesis
- Bacterial production
- Nutrients
- Organic matter
- Gases
- Sulfur cycle
- CO₂ system
- Trace metals
- Air-ice fluxes
- And...

The Tests

ON SHIPS:

Chl a intercomparison on Polarstern, 2013

IN CAMPS:

Saroma-Ko, Japan

Alert, Canada

IN LABS:

Ny Ålesund, Svalbard

Stay tuned for:
Miller et al., submitted to Elementa: Science of the Anthropocene. Methods for Biogeochemical Studies of Sea Ice: Where We Are and Where We Are Going.

The Solution

A manual of best practices

- A paper?
- A book?
- A website?
- A wiki?
- 8-Track tapes?
- Stone tablets?

Let us know what would work best for you

Want to get involved? Contact BEPSII task group II leaders Lisa Miller (lisa.miller@dfo-mpo.gc.ca) and Lynn Russell (lmrussell@ucsd.edu)

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