



Ocean Data Dojo - Building competence in FAIR data management in marine research and citizen science

1 November 2022

Ocean Data Dojo is
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Grand Hotel Terminus, Bergen
Zander Kaaes gate 6, 5015 Bergen

The Ocean Data Dojo project will engage experts in Arctic in situ data collection in ice-ocean sciences, Citizen Science for Arctic communities, and scientific data management. The aim is to develop a joint understanding of the current practices and gaps in the data delivery chain from research driven ice-ocean observing and citizen science programs in the Svalbard region. This will be used to provide guidelines for how to establish efficient data delivery chains. Two dedicated workshops will be held to advance the cooperation between data collectors and data managers. The overarching goal is to contribute to a practical implementation of the FAIR principles in research projects building trust in fair sharing and use of research data.

Workshop 1 - Data delivery chains in ice-ocean observing

Program

All presentations must include time for questions and discussions.

Welcome and introduction session

Chair: Torill Hamre, NERSC

09:00-09:15	Welcome and round-table presentation, Torill Hamre, NERSC
09:15-09:30	The Ocean Data Dojo project and workshop objectives, Torill Hamre, NERSC
09:30-10:00	FAIR data principles, metadata and data standards, documentation and formatting tools, Lara Ferrighi, METNO

Session 1: Data delivery chains in ice-ocean observing

Chair: Torill Hamre, NERSC

10:00-10:30	INTAROS metadata harmonisation for ocean mooring data, Arnfinn Morvik, IMR
10:30-11:00	IOPAN oceanographic measurements from vessels and moorings in the Svalbard region, Agnieszka Beszczynska-Möller, IOPAN
11:00-11:30	Arctic Ocean Observation System – challenges and possibilities, Hanne Sagen, NERSC

11:30-12:30 Lunch

Session 1: Data delivery chains in ice-ocean observing (cont.)

Chair: Lara Ferrighi, METNO

12:30-13:00	UAV real-time data acquisition, processing and visualization system: current challenges and future developments, Danilo Petrocelli, Maritime Robotics
13:00-13:30	Developing and using new drifters to measure drift and waves in sea ice and in open ocean, Gaute Hope, METNO
13:30-14:00	Using the ICEWATCH system for collecting sea ice data through citizen science, William Copeland, METNO
14:00-14:30	Data delivery chains for SIOS Core Data SCD4 Oceans, Ilkka Matero, SIOS

14:30-15:00 Coffee/Tea Break and mingling

Session 2: Gaps and possible solutions for improving current data delivery chains

Chair: Lara Ferrighi, METNO

15:00-15:05	Introduction to Breakout sessions, Lara Ferrighi, METNO
15:05-16:35	Breakout sessions with Moderators (2 groups)
16:35-16:55	Reports from Moderators
16:55-17:00	Concluding remarks, Torill Hamre, NERSC and Lara Ferrighi, METNO

Questions to discuss during the breakout session:

- What are the most critical gaps in the data delivery chains presented today?
- How can we work together towards closing these gaps? What do we need?
- What are the specific challenges of your study/working topic with respect to documenting, publishing and reusing data?
- What do you find most difficult to achieve with respect to FAIRness?
- Do you think you have the tools (both knowledge and practical) to deal with FAIRness?
- Do you think about managing your data afterwards when you perform data collection?
- Can we clarify the roles of different contributors?
 - What is the data collectors' role in implementing FAIR?
 - What is the data managers' role in implementing FAIR?
 - What is the data centres' role in implementing FAIR?
 - What is the data consumers' role in implementing FAIR?
- What are suitable mechanisms and venues to initiate new activities?
- How do we proceed after the workshop?

Binding registration by **14 October 2022**: <https://forms.gle/rSWj3CW3xR1KYchQ7>

Follow-up: An online workshop will be held in early December, with focus on consolidating results of this workshop and making recommendations for improving data delivery chains for ice-ocean observing in the Svalbard region.