

ESSI1/AS4.17/CL4.8: EGU2011-1599

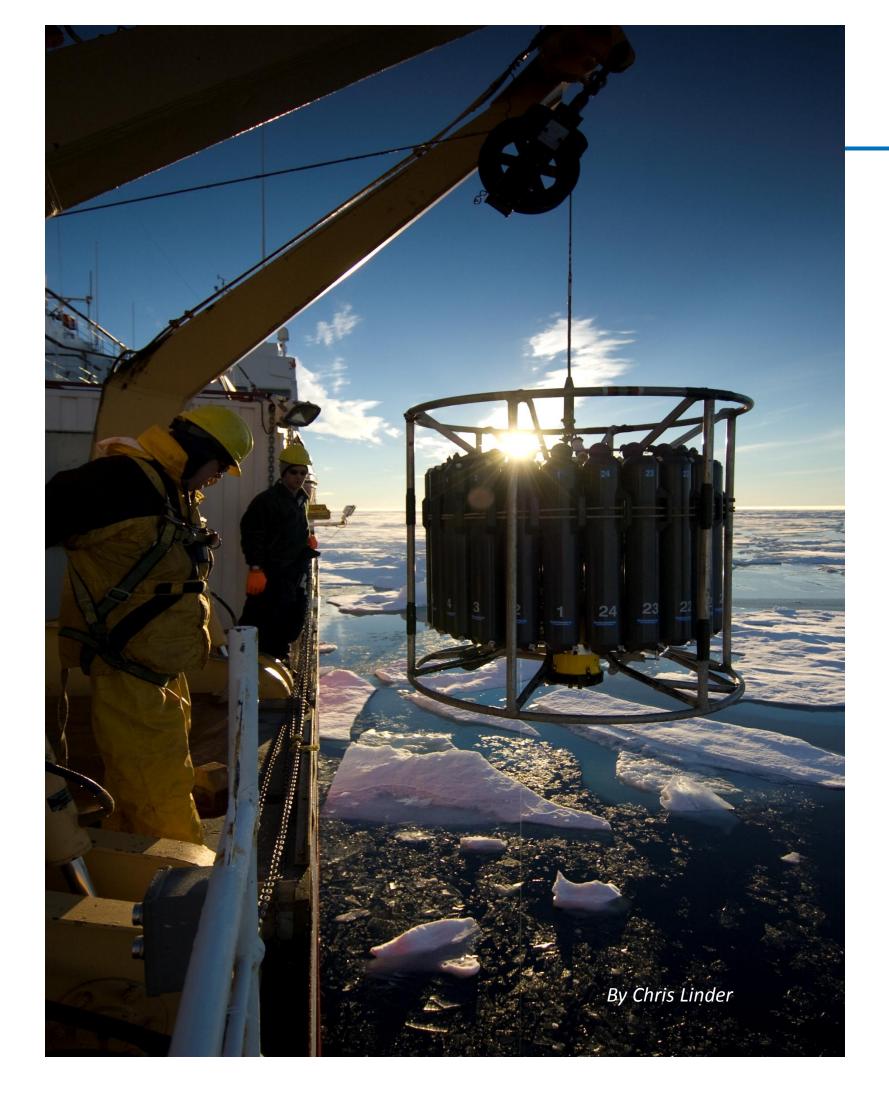
Data Publication: An Example of Data Repository and Library Cooperation

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1. Woods Hole Oceanographic Institution (WHOI); 2. British Oceanographic Data Centre (BODC); 3. Scientific Committee on Oceanic Research (SCOR);

4. IOC Project Office of IODE; 5. Marine Biological Laboratory (MBL)

From Fieldwork to Citation





Cruise/

Fieldwork

Primary

Master files

Accredited

data centre

repository.

dataset(s)

Selective

scientific

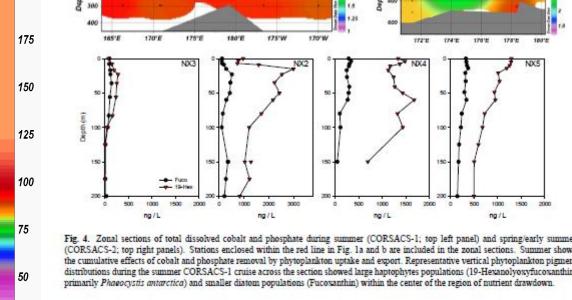
Working files

DOI

Master files are checked for compliance with agreed

long-term data archiving standards, issued with a

permanent identifier, and copied to an open e-





Citation of dataset -

www.biogeosciences.net/7/4059/2010/ doi:10.5194/bg-7-4059-2010







figures of published articles are issued with identifiers (e.g. DOIs) and made available via

In research output records; In journal publications by data collector and

Citation of

paper

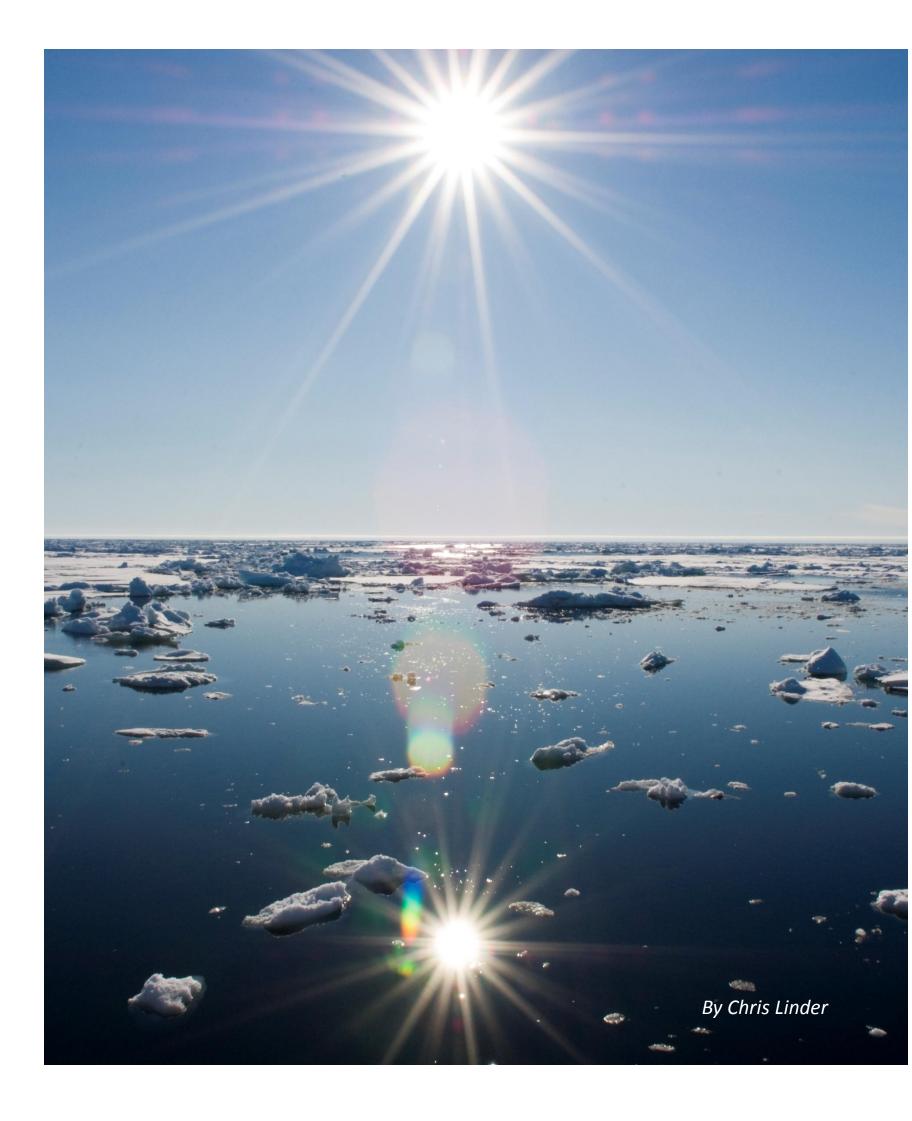




Biogeosciences

Libraries E-repositories Digital backbone to tables and libraries e-repositories.

> In CV; by other users.



Publications

www.scor-int.org/Publications/wr207.pdf www.scor-int.org/Publications/wr230.pdf http://tw.rpi.edu/proj/portal.wiki/images/3/3b/Jewe ttSummary.pdf

Repositories

Woods Hole Open Access Server https://darchive.mblwhoilibrary.org/

BCO-DMO http://bco-dmo.org Published Ocean Data http://publishedoceandata.org/

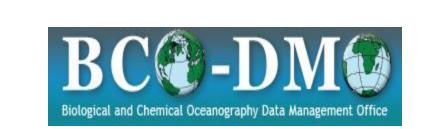
Acknowledgments

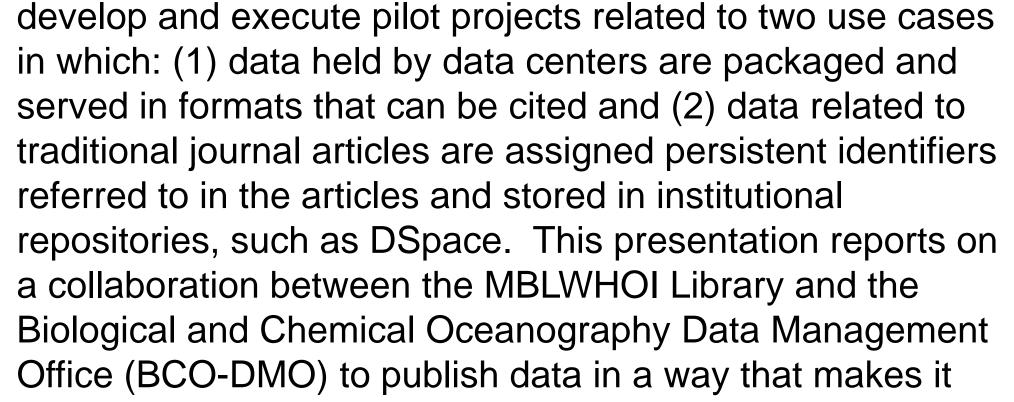
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Motivated by publisher and funding agency mandates, and

investigators, the Marine Biological Laboratory/Woods Hole

Oceanographic Institution (MBLWHOI) Library and a team

representatives from the Scientific Committee on Oceanic

Intergovernmental Oceanographic Commission. The work

is inspired by a June 2008 SCOR/IODE Workshop on Data

Publishing. The goal is to identify best practices for tracking

data provenance and clearly attributing credit to data

In April 2010, project participants were challenged to

Research (SCOR) and the International Oceanographic

Data and Information Exchange (IODE) of the

of data managers and scientists are collaborating with

a desire to properly attribute data sets to originating

possible for data providers to cite their data and make it more accessible for use by other investigators. We will also report on the strategies for meeting the cultural and technical challenges and on other pilot project work being undertaken by the group.

Abstract

collectors/providers.



Diagram showing the evolution of a scientific dataset through its different stages from raw data collection (fieldwork) to the generation of master files which must be preserved from accidental loss, self described, exchangeable, re-usable, and citable (by deposition in an accredited data centre), through to the preparation of analysed data subsets for the purpose of scientific investigation and communication, data subsets which must in turn be openly accessible and citable for the purpose of traceability.