

SODCO Publication Policies for Expeditions and for Science Team Members

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This policy document articulates the reports and publications associated with U.S. Scientific Ocean Drilling (US SciOD) expeditions implemented by the Scientific Ocean Drilling Coordination Office (SODCO) and the obligations policy for science team members. As an activity funded by the U.S. National Science Foundation (NSF), the SODCO policies described here are consistent with NSF requirements and are within the bounds provided by the Scientific Ocean Drilling (SOD) Programs Sample, Data, and Obligations Policy.

The SOD Program Sample, Data, and Obligations Policy defines a one-year moratorium period where only expedition science team members have access to core samples and data. The moratorium begins when the majority of expedition sampling has been completed. Depending on the expedition details, this may be at the end of the drilling phase, or it may be at the conclusion of onshore sampling. Following the moratorium period, the expedition report is published, data become publicly available, and cores samples can be requested by any researcher.

Expedition Publications and Reports

Each expedition will produce two publications: (1) the pre-expedition ***Scientific Prospectus***, and (2) the post-expedition ***Expedition Report***. In addition, standard progress reports will be generated to provide regular activity updates during the expedition. These publications and reports are designed to provide consistent communication to the community on expedition planning and expedition progress, and to document the expedition data collected along with the associated initial interpretations by the science team.

Scientific Prospectus

The purpose of the ***Scientific Prospectus*** is to present the detailed scientific objectives and priorities of the expedition, the pre-expedition operational plan and strategy, the risks and contingencies, the details about each planned primary site and alternate sites, and the sampling and data sharing strategy. A major goal of the *Scientific Prospectus* is to provide essential information to the community for the expedition staffing process. The *Scientific Prospectus* is written by the chief scientists and SODCO staff during a pre-expedition meeting that takes places shortly after the expedition has been forwarded to SODCO for implementation. The *Scientific Prospectus* will be published on Zenodo (CERN's open access data repository), accessible from a link on the SODCO website.

Expedition Progress Reports

During the expedition, information on progress of the at-sea operations will be communicated via two daily reports: (1) an **operations daily report** and (2) a **science daily report**. The operations daily report, compiled by the SODCO Operations Superintendent, will document the previous 24 hours' operational activities and statistics and will be distributed electronically to SODCO, NSF, the science team, and other key stakeholders. The chief scientists and expedition project manager will write the science daily report, which will summarize the key operational and science activities and observations from the previous 24 hours and will be distributed electronically and posted on the SODCO expedition website. The at-sea portion of the science team will write a draft site report(s) documenting operational activity and the data collected at sea, which will be made available only to the entire science team and will serve as the background for the onshore phase of the expedition. The expedition **science daily report** will resume communication on science activities and observations during the onshore measurement and description phase.

Expedition Report

The final **Expedition Report** will be a data report that consists of an expedition summary, methods, site reports, and supplementary supporting materials. Each site will be documented with a site report, which will include a section describing the operational activity at sea and then the shipboard and onshore expedition measurements organized by discipline, consistent with the Standard Measurements for U.S. Scientific Drilling Expeditions policy, and the expedition plan laid out in the *Scientific Prospectus*. Editing, review, and production of the report will occur electronically after the expedition. The *Expedition Report* will be published as a pdf on Zenodo at the end of the one-year moratorium period, accessible from a link on the SODCO website.

Science Team Member Publication Obligations and Responsibilities

Science Team Obligations

Expedition science team members, as recipients of samples and/or expedition data, incur an obligation to publish a peer-reviewed journal article, book chapter, or data report. It is a requirement that final data sets, metadata files, derived data products, and relevant software/code are deposited in a long-lived and publicly accessible archive upon publication of results or within two years of their research project data collection, whichever comes first. Science team members are defined as offshore and onshore phase expedition scientists, and any additional investigator receiving samples or data during the moratorium. Expedition science team members will provide citations of publications and data repositories to SODCO when published.

Authorship

Authorship on contributions related to US SciOD expedition publications should accurately reflect the contributions of those involved. All members of the expedition science team (offshore and onshore participants) are expected to be involved in data collection and writing of the *Expedition Report*, and consequently, should be authors of the report in most cases. Because manuscripts submitted during the moratorium period will by necessity rely heavily on expedition data, the SODCO advisory board recommends that authorship of such manuscripts should include the entire science team.

Acknowledgments

Expedition science team members are expected to acknowledge US SciOD in all publications that result from samples or data collected during the expedition using the following wording: “This research used samples and/or data provided by U.S. Scientific Ocean Drilling. Funding for this research was provided by XXXX (where XXXX are the NSF awards that funded the expedition and any subsequent award that enabled the research being reported).

Provide the following key words, as appropriate, to the publisher:

- | US Scientific Ocean Drilling (US SciOD)
- | Scientific Ocean Drilling Coordination Office (SODCO)
- | Expedition #
- | Site #
- | Name of vessel