

Plan Overview

A Data Management Plan created using DMP Tool

Title: Copy of Appendix 6: Data Management Plan

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Funder: United States Department of Energy (DOE) (energy.gov)

Funding opportunity number: LAB 17-1699

Template: Department of Energy (DOE): Office of Science

Last modified: 07-08-2024

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Copy of Appendix 6: Data Management Plan

Data types and sources

The sections in the template outline are based on Suggested Elements of a DMP (see Links tab) provided by DOE, but DMPs are not required to follow this template. For the data types and sources suggested element, a brief, high-level description of the data to be generated or used through the course of the proposed research and which of these are considered digital research data necessary to validate the research findings may be included.

In this project, samples of MgB₂ thin films and Fe-based SC films are measured using a magnetometer. Also, superconducting RF cavities coated with these materials will be tested and the data of the quality factor and surface resistance vs. accelerating gradient will be measured.

Content and format

A statement of plans for data and metadata content and format including, where applicable, a description of documentation plans, annotation of relevant software, and the rationale for the selection of appropriate standards. (Existing, accepted community standards should be used where possible. Where community standards are missing or inadequate, the DMP could propose alternate strategies that facilitate sharing, and should advise the sponsoring program of any need to develop or generalize standards.)

The data created will be records of samples info and characterization. The data are mostly in electronic format, either word files, ppt files, images, excel spreadsheets and comma delimited raw data.

There will be some hand-written notes, but all important data and notes will be recorded in an electronic format.

Sharing and preservation

A description of the plans for data sharing and preservation.

The data created in this project will be made available after they have been published, patented, or publicly disclosed in invention disclosures, conferences or seminars. They will be made available through contact with the PI. They can be provided in the forms of electronic copies of notebook pages, raw electronic data files, or electronic processed data files in the forms of figures or tables. There will be no charge for the access to the data. The data created in this project will be governed by LANL's policies regarding intellectual property, record retention, and data management.

Protection

A statement of plans, where appropriate and necessary, to protect confidentiality, personal privacy, Personally Identifiable Information, and U.S. national, homeland, and economic security; recognize proprietary interests, business confidential information, and intellectual property rights; and avoid significant negative impact on innovation, and U.S. competitiveness.

Any re-use and re-distribution of unpublished data require permission by the PI. The data will be preserved indefinitely. The electronic data will be backed up periodically on a hard disk in the PI's lab and office. In addition, the electronic data will also be backed up on a back-up server at LANL. Original laboratory notebooks will be secured in PI's lab and office.

Rationale

A discussion of the rationale or justification for the proposed data management plan including, for example, the potential impact of the data within the immediate field and in other fields, and any broader societal impact.

Question not answered.

Software & Codes

Both the Advanced Scientific Computing Research and Fusion Energy Sciences program areas address software and codes. Program specifics are listed below.

Question not answered.
