

## Guidelines for Preparing Data Management Plans that use the IRIS Data Management Center

Effective January 18, 2011 the National Science Foundation requires that a data management plan is included in all proposals submitted to the NSF. General NSF wide guidance for NSF Data Management Plans (DMP) can be found at

<http://www.nsf.gov/bfa/dias/policy/dmp.jsp>

More specific guidance for individual Directorates are linked from the above page.

As part of the GEO Directorate, the IRIS DMC is referred to in both the EAR, and OCE Directorates Data Management Plan Guidance.

For groups that wish to use the IRIS DMC in their Data Management Plan you should consider the following procedure.

If you are proposing to the GEO Directorate and you are using equipment from the PASSCAL or OBSIP pools then the IRIS DMC will enthusiastically be part of your DMP. Nevertheless, you should consider the following steps

1. Contact the IRIS DMS ([tim@iris.washington.edu](mailto:tim@iris.washington.edu)) and inform them of the specifics of the anticipated data generation.
  - a. The type and volume of data that is anticipated
  - b. Verify that the data format for observational data
    - i. SEED for passive source data
    - ii. SEG Y for active source data
  - c. Verify the format of the metadata
    - i. Dataless SEED for passive source
    - ii. Field report for Active Source data
  - d. Tell us if and for how long the data will be restricted. The PASSCAL data policies should be followed and can be found at <http://www.passcal.nmt.edu/content/general-information/policy/data-delivery-policy>

Data policies for EarthScope data can be found at

<http://www.passcal.nmt.edu/content/general-information/policy/fa-data-policy>

2. Consider including the following wording for your DMP. "The IRIS DMC was consulted and agrees to act as the long term archive and dissemination facility for data collected as part of this proposal. It is the intention of the PIs to use the IRIS DMC to meet our obligation for data management of the time series data collected in this experiment"

If you are proposing to funding sources other than the NSF GEO Directorate then you must obtain the agreement of the IRIS DMS before indicating that the DMC will be your solution for data management. You must receive the agreement of

the IRIS DMS Program Manager, who will work in consultation with the IRIS Data Management System Standing Committee. Recognizing the scientific value of most seismological data recorded the IRIS DMC will normally agree to accept the data resulting from your proposal assuming that the resources at the DMC are adequate. Once DMS agreement is obtained then you should complete steps 1. and 2 as above.

### **Hosting of Relevant Seismological Products**

While it is very natural for PIs to utilize the IRIS DMS for hosting data collected in their experiments, we hope the community will also think creatively about data products that could be disseminated through the DMS as part of their proposed data management plans. Again please coordinate with the IRIS DMS Program Manager regarding plans to manage higher-level products at the IRIS DMC before indicating this in any Data Management Plan.

The IRIS DMC will host relevant seismological products, derived by the scientific community, if the storage requirements are reasonable (less than a terabyte). The Data Products Working Group (DPWG) and the DMS Standing Committee (DMSSC) will review more voluminous products before the DMC will agree to act as the product host.