
Plan Overview

A Data Management Plan created using DMPTool

Title: Data Management Plan for NSF Track I IRES project

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Funder: National Science Foundation (nsf.gov)

Funding opportunity number: NSF 18-505

Template: NSF-EHR: Education and Human Resources

Last modified: 01-29-2018

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Data Management Plan for NSF Track I IRES project

Data generated by the project

The Data Management Plan should describe the types of data, samples, physical collections, software, curriculum materials, or other materials generated by your project. Any data collection required by the program announcement should be incorporated into the proposal's Data Management Plan. For example, the management of assessment, evaluation, or monitoring data required for all projects within a given program should be addressed in the data management plan. Describe your plan for managing the data.

The IRES students will work on a large variety of topics. All of them will have a programming component so we expect to collect the python programs, documentation and results both at the University of the Virgin Islands as well as at the IRES site (Swinburne).

Here is a list of data collected:

- software codes
- power point presentations
- posters presentation
- oral recorded presentations
- astronomical data acquired at different facilities in processed form
- Plots and images of astronomical transients.

Period of data retention

EHR is committed to timely and rapid data distribution. However, it recognizes that types of data can vary widely and that acceptable norms also vary by scientific discipline. It is strongly committed, however, to the underlying principle of timely access, and applicants should address how this will be met in their Data Management Plan.

We expect to make the majority of the data public immediately (presentations, plots), but we will retain some propriety over some of the astronomical images acquired as part of the collaboration with Swinburne. Nevertheless the propriety period will not extend beyond 6 months, during which UVI students will present their results to the public and results made available for consultation on the Etelman observatory site.

Data format and dissemination

The Data Management Plan should describe data formats, media, and dissemination approaches that will be used to make data and metadata available to others. Policies for public access and sharing should be described, including provisions for appropriate protection of privacy, confidentiality, security, intellectual property, or other rights or requirements. Research centers and major partnerships with industry or other user communities must also address how data are to be shared and managed with partners, center members, and other major stakeholders. Data on EHR projects involving human subjects should be made available to the public subject to constraints imposed by IRB decisions. Other data, such as software, publications, and curricula, should be made available subject to intellectual property rights.

The majority of the data acquired by the DWF collaboration will be stored at Swinburne supercomputers. Data are then shared among the collaboration partners, including UVI faculty and students, through password-protected web interface. Images are stored in .FITS format and images in .PDF formats. Python programs developed by UVI students as part of the collaboration will be public available via the "github" online platform (<https://github.com>).

Processed image, astronomical transients lightcurves and templates will be also public as part of the software development.

Finally, data will be disseminated broadly on a regular basis, either via the publication of entire "data releases" (annually) or through scientific publications in major international journals.

Data storage and preservation of access

The Data Management Plan should describe physical and cyber resources and facilities that will be used for the effective preservation and storage of research data. These can include third party facilities and repositories.

Data will be primarily stored at the IRES site in Australia. University of the Virgin Islands, though, retain full access of Virgin Island Robotic Telescope (VIRT) acquired images. This data will be stored in the Etelman observatory server.

A VIRT database will enable free access to all the data acquired by the telescope indefinitely. The Etelman director (co-I Morris) will be the point of contact for the data management and administration.

Additional possible data management requirements

More stringent data management requirements may be specified in particular NSF solicitations or result from local policies and best practices at the PI's home institution. Additional requirements will be specified in the program solicitation and award conditions. Principal Investigators to be supported by such programs must discuss how they will meet these additional requirements in their Data Management Plans.

Question not answered.