Addressing "Management of Data"

Within the Project description, the Management of Data section asks applicants to outline plans for the management of data produced as a result of the proposed research, including but not limited to storage, access and re-use arrangements.

In this section, applicants should include:

- How the project's research materials and data will be stored and managed in accordance with the Australian Code for the Responsible Conduct of Research (as implemented in UNSW Policy and Procedures). In most cases, this means that electronic research data will be held on secure networked servers which are backed-up on a daily basis.
- Whether internal (i.e. UNSW researchers) access to electronic data will be facilitated through the UNSW Data Archive- http://www.dataarchive.unsw.edu.au/.
- Whether large and significant data sets will be shared with researchers outside of UNSW, including through infrastructure such as the RDSI facility or via specific ANDS and NECTAR projects.
- What arrangements will be in place to deal with any specific requirements of the research data (privacy, confidentiality, commercial sensitivity)

Aside from needing to fulfil the requirements of the Australian Code for the Responsible Code of Conduct, it is likely that projects which enable significant data to be shared with other researchers will be well received by assessors, so careful consideration of the plan to store, access and re-use the project's data is required.

Researchers unsure about UNSW requirements for the management and storage of Research Data should consult: http://www.gs.unsw.edu.au/policy/documents/researchdataproc.pdf

#Please Note- RDSI Storage Closed: merit-based allocations for the Intersect-hosted RDSI storage options have now closed, however other Intersect-hosted storage options are available (with associated costs). Please see the "RSDI Storage" section on page 2 of this document for more information.

Below are full details of UNSW's resources for Research Data Management and Data archiving, including links, contact details and suggestions for statements to include under "Management of Data".

UNSW Research Data Management Resources

All UNSW researchers have access to an on-line portal (ResData) to register research project data management plans. This is now integrated into the UNSW Data Archive for long-term storage with offsite back-up. Datasets can be made discoverable by registering them in Research Data Australia.

Researchers are also strongly encouraged to plan for their project data to be deposited in discipline-specific repositories where these are available.

So as a minimum, you can include statements in addressing this heading such as:

- "*UNSW has implemented a data storage solution for every stage in the life cycle of a research project*."
- "*The data management plan for the project will be established using UNSW's ResData portal*. "
- "*Data will be archived using UNSW's Data Archive (or other archive mechanism as applicable)"*
- "*Data will made discoverable by registration on Research Data Australia (and/or discipline-specific registries where applicable)"*

UNSW ResData Portal:

ResData is an online catalogue of UNSW datasets and collections of research materials. It records *descriptions* of UNSW research data. ResData records are published to the online portal Research Data Australia (RDA).

RDA is a discovery service for Australian Research Data. Registering your datasets in RDA is one way of making them **discoverable** – and hence **accessible** and potentially available for **re-use** and **sharing**. You retain full control over who has access to your data and under what conditions.

The UNSW ResData portal also allows you to set up and document a **Research Data Management Plan** for your project – for grant-funded projects this will be linked on-line to the record in InfoEd.

Data Archiving Resources:

- Overview of eResearch tools and services
- Overview of Data Storage services

UNSW Data Archive:

The archive is designed to hold large amounts of data for many years, rather than be a fast store for computation or databases. There is no charge to use the archive for UNSW research projects. The UNSW Data Archive will provide UNSW researchers with a first class data storage and data management capability.

The UNSW Data Archive is now available for use. Please see: http://www.dataarchive.unsw.edu.au for more information.

If your project requires the archiving of extremely large datasets, please seek further advice as to the capacity available.

RDSI Storage:

The RDSI project is now complete and no new merit-based allocations will be made.

Other Intersect-hosted storage options are available. These options will incur a charge to your project and should be included in the project budget, but will be cost-effective for certain types of projects, e.g. where adjacency to HPC is required. We recommend seeking advice if data storage costs are a significant factor for your grant. For initial advice contact:

- Grainne Moran, Mark Wainwright Analytical Centre, g.moran@unsw.edu.au
- Luc Betbeder-Matibet, Director, Faculty IT Services, luc@unsw.edu.au

Mark Wainwright Analytical Centre collected data:

All data collected on Analytical Centre instrumentation is stored and backed up on local servers. It is also archived on Analytical Centre servers for a period ranging from 1 – 7 years, as advised to users of individual facilities. The Analytical Centre will continue to provide back-up and archive services for instrument data. This should be seen as additional protection for project data, but should not be used as the primary archive mechanism for your project. Analytical Centre data services are now integrated into UNSW's central Data Archive; legacy data will be deposited regularly in the Data Archive.