1. Introduction

StORe is a project within the JISC digital repositories programme. It has a declared mission to enhance the value of academic research output by enabling direct interaction between source and output repositories.

2. Aims

From a survey of the use of source and output repositories amongst seven scientific disciplines, identify:

- workflows and norms
- common attributes across disciplines
- desirable functional enhancements
- problems of use and structure

From an analysis of the survey, develop a generic technical specification of functional enhancements to source and output repositories.

Build a pilot system that demonstrates bi-directional links between the UK Data Archive and research papers deposited in output repositories.

3. Survey: technical needs

- 85% support project aims as potentially advantageous to conduct of research
- Appropriate assignment of metadata seen as critical issue (all disciplines)
- Large proportion of metadata requirements are generic
- Need for protection against predatory access to source data
- Raw data is complex – need for interpretive access to derived data
- Desire for simple search mechanisms that meet the Google test

4. Survey: behaviours

- Evidence of limited use or knowledge of data repositories
- Large numbers of repositories for small number of data sets
- Culture of self-sufficiency in development of repositories
- Support role of information intermediaries not exploited
- Some dual deposit of data and papers is in place or planned