Data.ac.uk
equipment.data

EPSRC
Engineering and Physical Sciences Research Council

Delivering benefits through asset systems

"New technology delivering improved efficiency and sustainability to research equipment management"

Demand more from your vendor!

Questions to consider:-

- Is your dataset UNIQUIP Data Publishing Specification compliant?
- Does your system have an API enabling interoperability with other institutional systems?
- Are you able to publish selected data to the web?

A common profile enabling effective interoperability - the vendors' role

Vendor engagement has become a critical component in delivering effective asset management systems, with a need to highlight the benefits of asset system functionality that will enable contribution and interoperability with equipment databases, both institutional and cross-sector. Adoption of the UNIQUIP data publishing specification in asset systems or related views, along with appropriate Application Programming Interfaces (APIs), will open up greater opportunities for efficiency in asset management relating to research equipment. These improvements will enable greater ownership of the data throughout the process and encourage contribution to quality from the academic community.

There is a great deal of activity and technology entering this new landscape in HE helping to establish early standards development:-

- equipment.data is supporting efforts to standardise the way data is discovered and the vocabulary used through the application of linked open data techniques.

- Jisc are exploring the application of new standardised approaches to vocabularies with a pilot project working with CASRAI.

- Publishing equipment data to the web through an API, or enabling interoperability with an equipment database e.g. Kit Catalogue will allow the linking of equipment data with publications, a means for demonstrating impact of equipment. Using a standard form will enable aggregated reporting to systems such as RCUK's Gateway to Research.

- Standardised vocabulary has enabled data aggregation across institutions supporting regional consortia research equipment search capabilities.

- Wider data publishing and discovery requirements are facilitating the sharing of emerging standards and technology developments across HE.

UNIQUIP Data Publishing Specification v1

Background
This specification was developed in order to define the requirements for equipment database data publishing to enable individual institutions' data to be harvested by or published to equipment portals (e.g. equipment.data.ac.uk). This document details the specification of the input and output data table.

Document format
A uniquip document can be encoded as the following formats:

Name	Suffix	Notes
Tab-Separated Values (TSV)		
Comma-Separated Values (CSV)		
Excel Spreadsheet		

Data submission fields

Column Heading	Req	
Type	No	
Name	At le	
Description	fields com	

The UNIQUIP Data Publishing Specification is now RCUK's preferred standard for the capture and publishing of equipment data. This standard is the culmination of HE sector engagement through the UNIQUIP Project and the subsequent development work through equipment.data, including early discussion with CASRAI to establish an entry in the CASRAI Dictionary.

http://equipment.data.ac.uk/uniquip

ASSET DATA

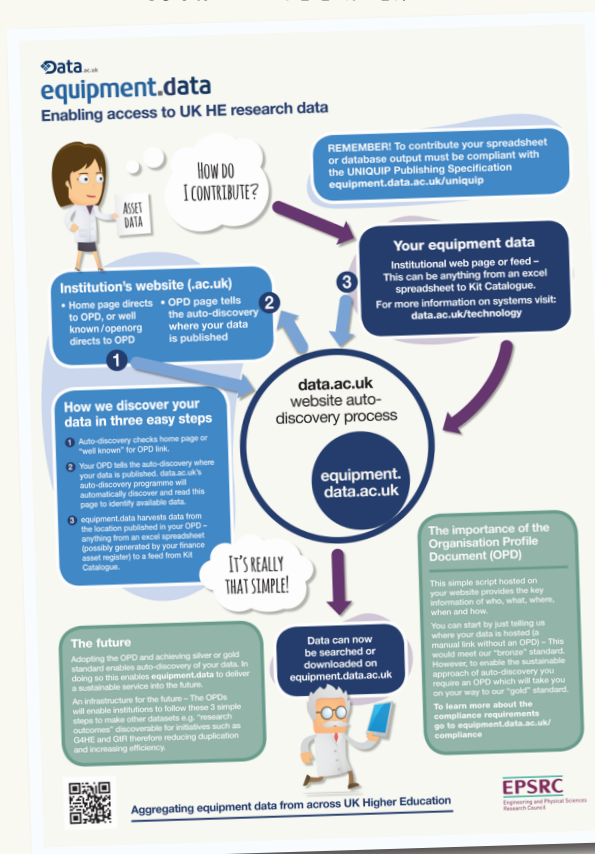**TURN OVER TO GET INVOLVED**

Aggregating data from across UK Higher Education
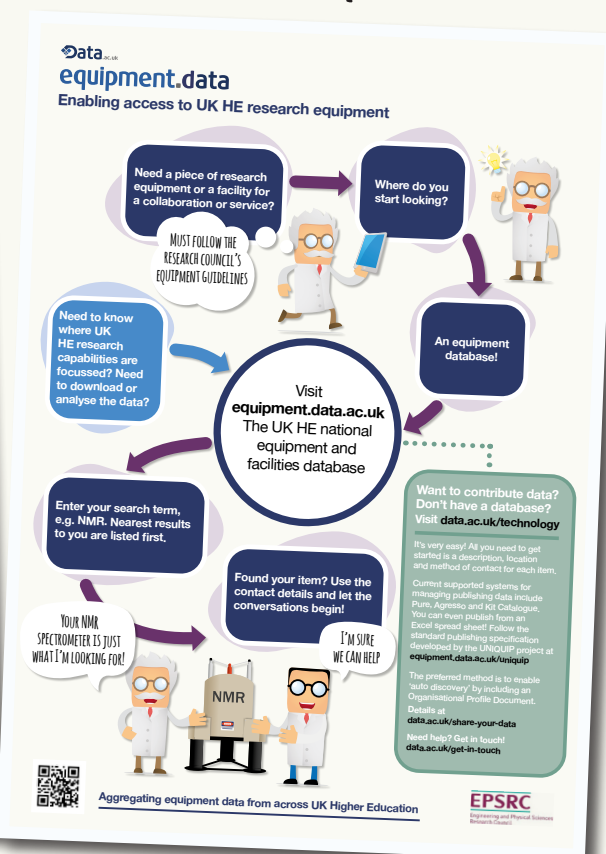
Why should I get involved?

- Maximise your potential for future collaborations or utilisation - Publish on equipment.data

- Ensure your grant application is robust – Check availability of equipment on equipment.data or ensure you will maximise its future availability for use by indicating you intend to list the equipment on equipment.data

- You are establishing infrastructure for future data discovery and enabling linking with other data e.g. to demonstrate impact, capability or simply for marketing.

- With a unique asset ID from your system equipment.data generates a Uniform Resource Identifier (URI) enabling referencing in other systems e.g. repositories of research outputs, which can link back to the full detail in equipment.data.

Getting involved couldn't be easier with a range of self help pages on our website along with the simple 'walk through' posters blelow.

MAKING YOUR DATA DISCOVERABLE COULDN'T BE EASIER

SEARCH A NATIONAL DATABASE OF RESEARCH EQUIPMENT

Visit this link to download these posters and further info

http://equipment.data.ac.uk/info