

This is a repository copy of *A digital library for the University of York*.

White Rose Research Online URL for this paper:
<http://eprints.whiterose.ac.uk/3783/>

Conference or Workshop Item:

Allinson, Julie (2008) *A digital library for the University of York*. In: Third International Conference on Open Repositories 2008, 01-04 Apr 2008.

Reuse

Items deposited in White Rose Research Online are protected by copyright, with all rights reserved unless indicated otherwise. They may be downloaded and/or printed for private study, or other acts as permitted by national copyright laws. The publisher or other rights holders may allow further reproduction and re-use of the full text version. This is indicated by the licence information on the White Rose Research Online record for the item.

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.

A Digital Library for the University of York

Introduction

The University of York is building a digital library to provide ingest, storage, discovery and access for multimedia content. The digital library has taken OAIS (reference model for an Open Archival Information System) as its high-level model and has selected Fedora as the underlying technical architecture. The project is part-funded by JISC as "SAFIR". Further info: <http://www.york.ac.uk/library/elibrary/digitalibrary.htm>

Designated Community

Who is this for?

A mix of University of York staff or students, external content providers and external consumers.

Key considerations

- What do our users want?
- Do these needs differ across different subject 'communities'?
- How do we manage usability issues for different levels of expertise and different user expectations?

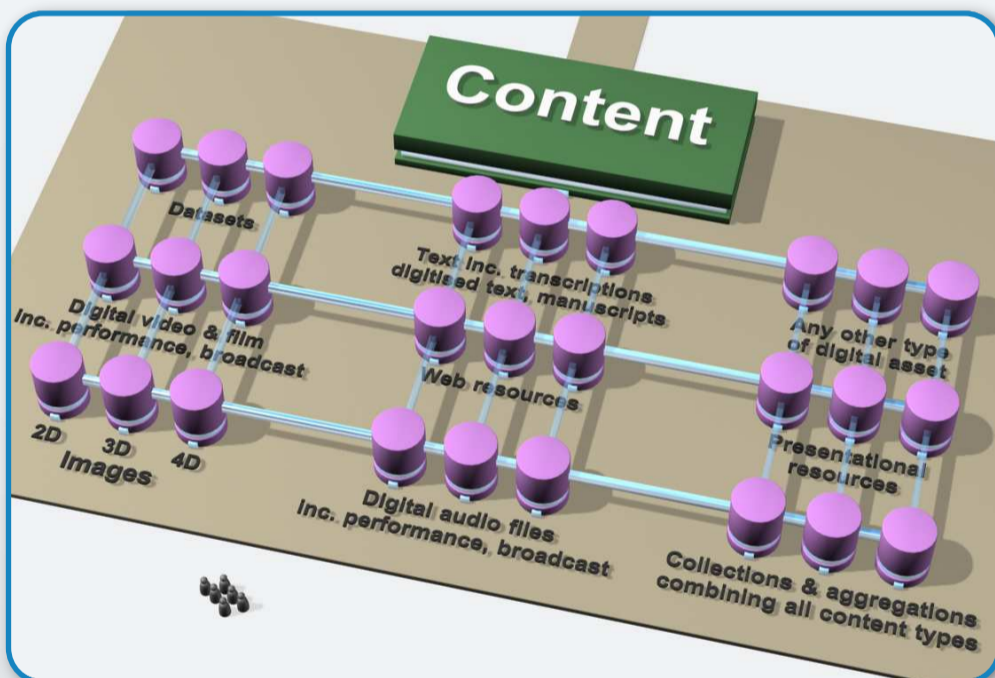
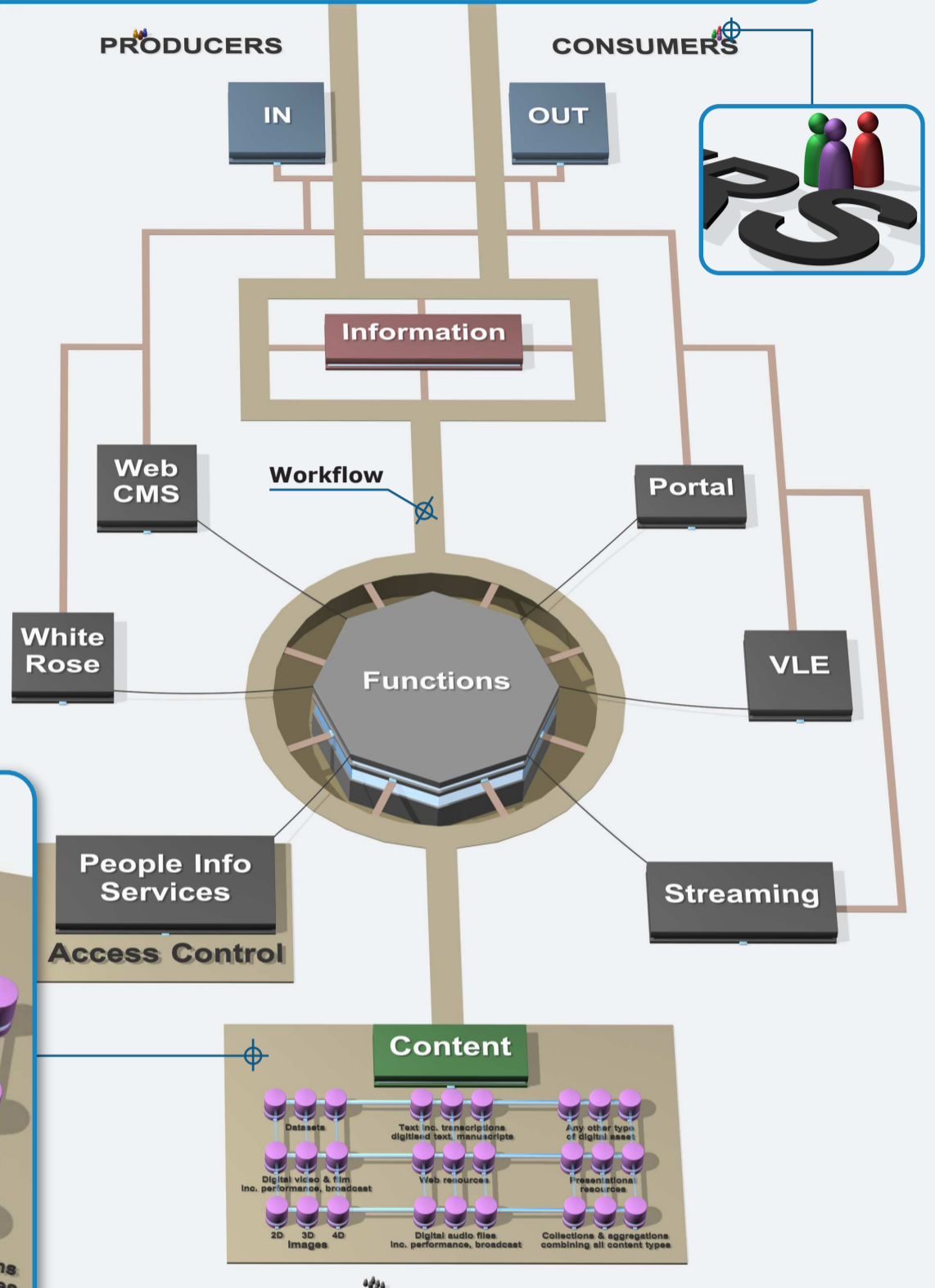
Information

Content and metadata

What comes in, what gets stored and what flows out again?

Key considerations

- What types of content?
- How is it packaged?
- How are collections and aggregations managed?
- How are the relationships between objects captured?
- How is the content described (and discoverable)?
- How is it identified, persistently?



Functions

What does the digital library have to do?

Key considerations

- Ingest** – get content and metadata in
- Access** – get content out
- Data Management and Archival Storage** – store and facilitate discovery
- Preservation Planning** – plan for the future
- Administration** – manage human and policy tasks within the system

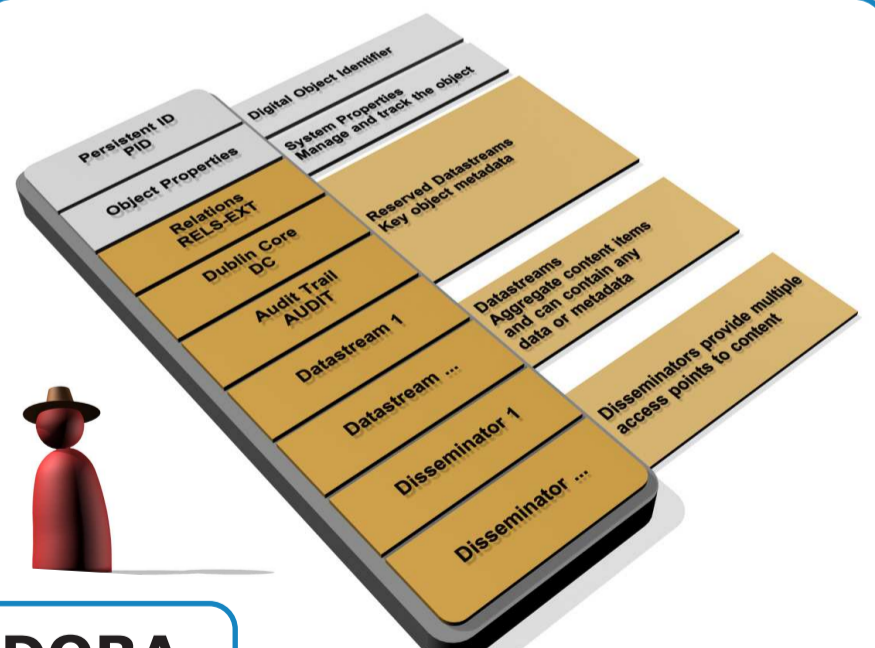
Interoperability and Integration

With internal and external systems, such as the Yorkshire VLE, identity management systems, White Rose Research Online and external federated search services.

Key considerations

- What standards do we need to use?
- Do these systems have open APIs?
- What data can we share and re-use?

Sharing information to create joined-up services



FEDORA

Flexible Extensible Digital Object Repository Architecture

The Fedora technical architecture can support the functions and information flow for York's Digital Library. Its object model answers our key considerations.