

Managing local institutional assets

OAI on campus

Chris Rusbridge, University of Glasgow



UNIVERSITY
of
GLASGOW



Contents

- OAI: disclosing campus assets
- ePrints and eTheses
- JISC FAIR Programme
- Daedalus

Open Archives Initiative 1

- Grew out of specific proposals for ePrints (Santa Fe agreement?)...
- Generalised to mechanisms for disclosing metadata from data providers to services
- Widely applicable...
 - Images
 - Video clips
 - Audio resources
 - Learning objects
 - Union catalogues
 - Perseus Digital Library...

Open Archives Initiative 2

- **First version of protocol released last year**
 - Many implementations and uses
 - Particularly being applied to disclosing existence of assets you want publicly known
- **Second version of protocol this year**
 - Few implementations yet
- **General model is slurping metadata into union DB...**

OAI model

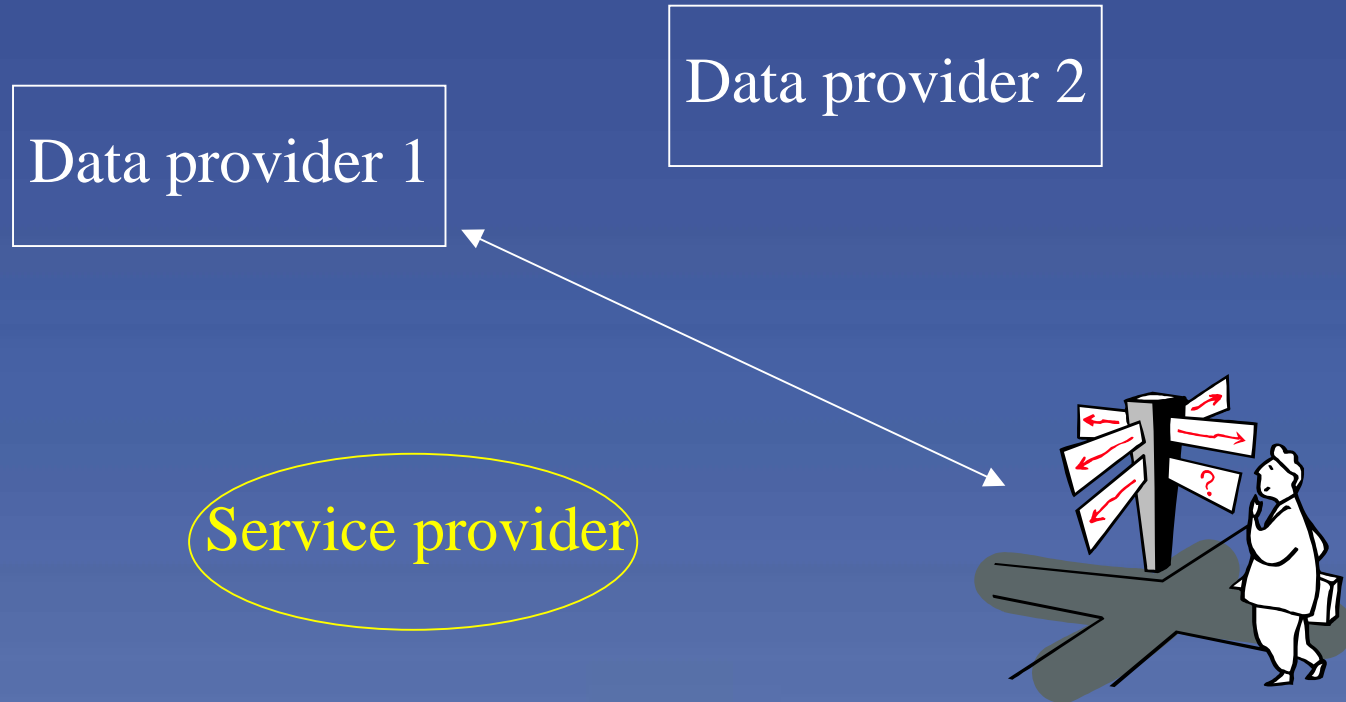
Data provider 1

Data provider 2

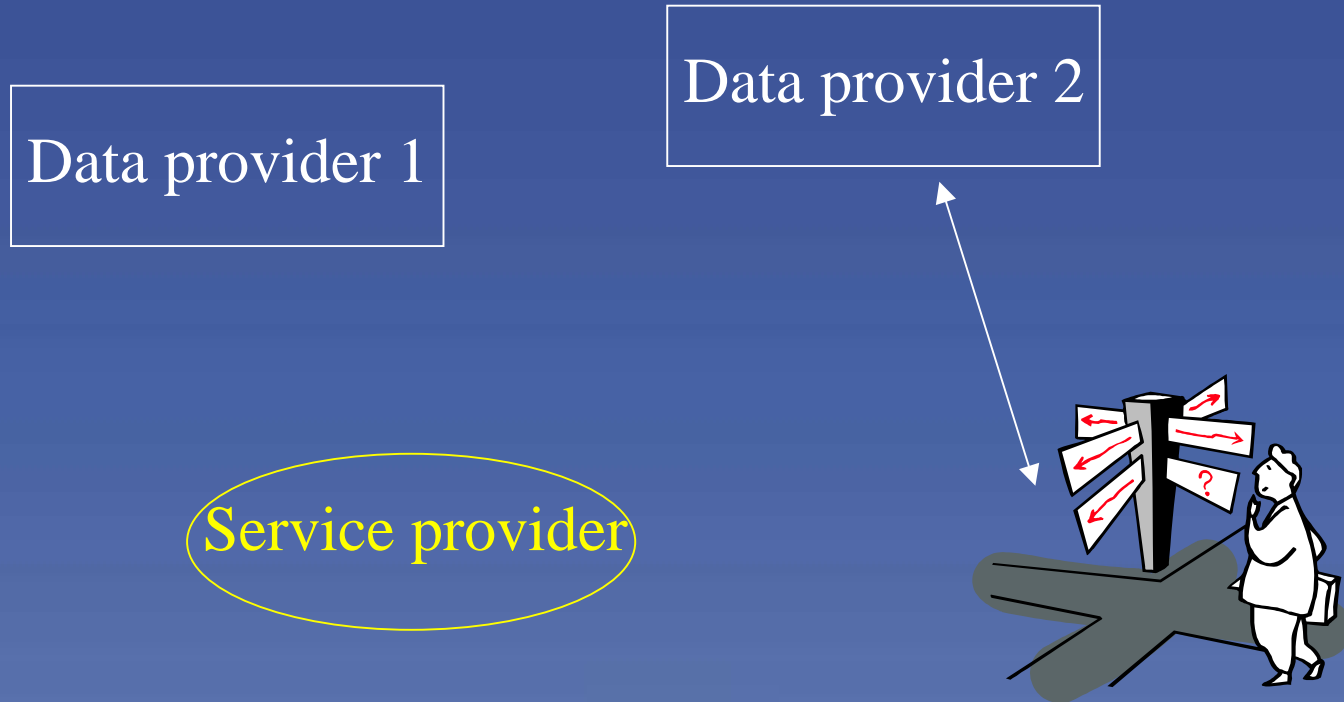
Service provider



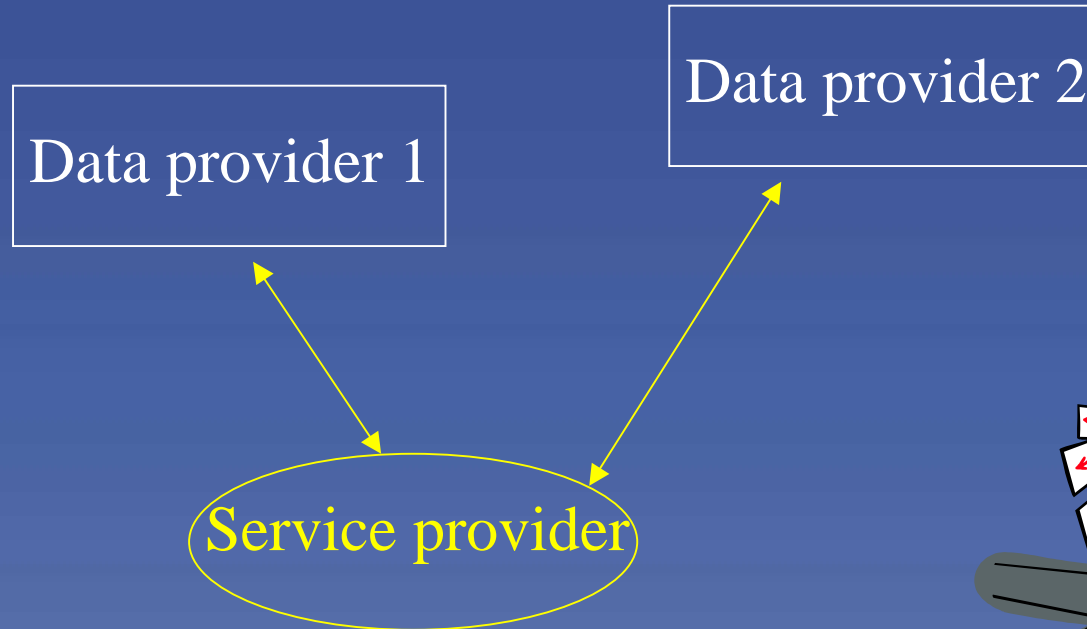
OAI model



OAI model



OAI model



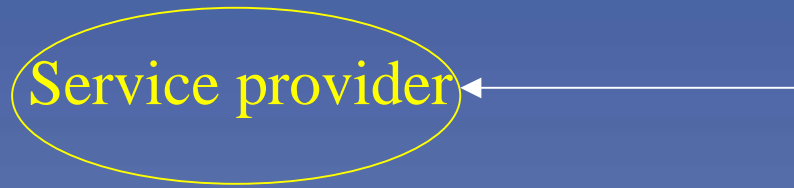
OAI model



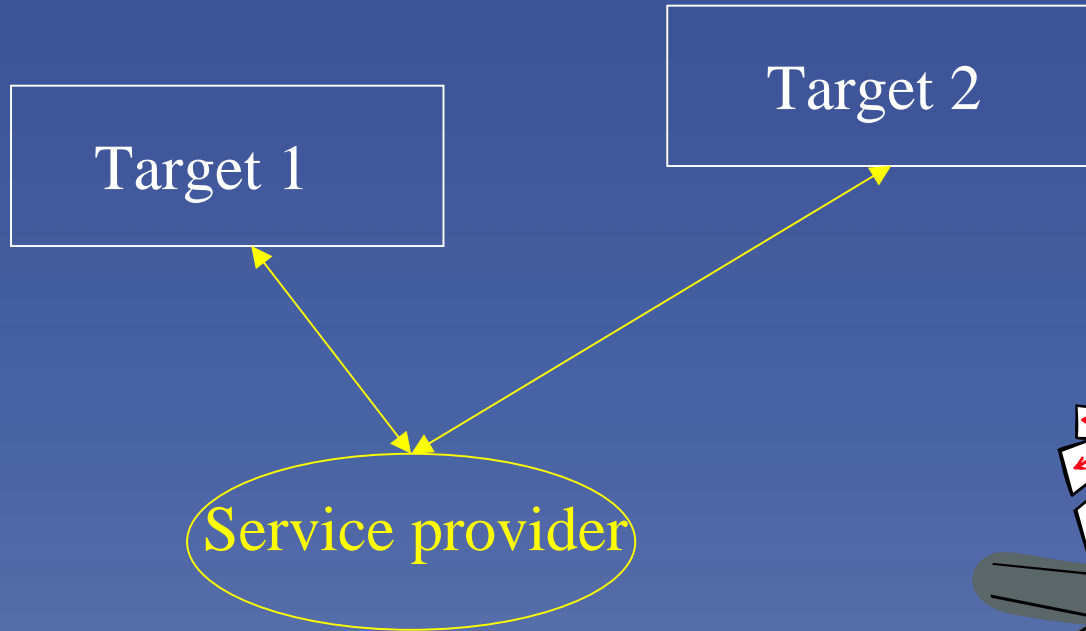
Service provider



Z39.50 model



Z39.50 model



Z39.50 model



Service provider



Differences...

- **Z39.50**
 - in real time (failures, limited processing, etc)
 - Multiple metadata mappings acting as semantic filters
- **OAI**
 - Results based on harvesting in past
 - Metadata presented as provided

ePrints

- Precursors
 - Los Alamos Pre-print archive
 - NCSTRL
 - WoPEc
- Now generalised using OAI...
- Subversive proposal...

ePrints questions

- **Copyright**
 - **Institution versus author ownership**
 - **assignment of rights to publisher versus limited licence**
 - Few now refuse ePrints permissions
 - **'Prior' publication if pre-prints mounted?**
 - Ingelfinger rule; few now invoke

ePrints questions

- **Who should be the data provider?**
 - **Institutions?**
 - Self sustaining, self interest
 - Multiple authors across institutions??
 - **Specialist sites (eg ArXiv)**
 - Business case problem
 - **Subject organisations?**
 - Business case problem

ePrints questions

- Who mounts the paper?
 - Librarians? Doesn't scale
 - Authors? Too busy
 - Clerical staff? Requires commitment, management, etc
- Who provides the metadata?
 - See above!

ePrints issues

- Technical (getting solved)
- Metadata quality & consistency
 - Author-provided keywords
 - Dataset structure: divisions on subject lines?
 - Index content via web? (DP9)
- Collection policy (published vs working papers)
- Usefulness of services...
 - Critical mass of papers missing
 - Advocacy needed
- Long term preservation

ePrints dimensions

- Our life sciences faculty has 4,753 published papers in its RAE publications DB, since 1995 (RAE submission ~480)
 - GU RAE submission about 4,400 papers...
 - We have 33 papers in our ePrints server!
- Alan Kent's harvester stats show:

– Glasgow	17
– Nottingham	41
– RDN	388
– UKOLN	113
– Grand total	780,000

ePrints implementation

- Freely available data provider software
 - eprints.org and others
- Various service providers harvesting metadata, including
 - ARC
 - OAIster
 - my-OAI
 - Perseus
 - RDN



GLASGOW ePRINTS SERVICE



[ePrints Home](#) | [About](#) | [Subjects](#) | [Faculty](#) | [Search](#) | [Register](#) | [Deposit Papers](#) | [Help](#)

Welcome

Welcome to our ePrints Service

Help

- [ePrints Help](#)
- [Depositing Papers](#)
- [Copyright Matters](#)



Create Change - Challenging the Crisis in Scholarly Communication



Subscriptions - Set-up E-mail alerts for

Welcome

SEARCH by TITLE, KEYWORD or ABSTRACT

more search options [author, year]...

Login: [Deposit Papers](#), [Update your Account](#)
[Forgotten your password?](#) [Get an e-mail reminder.](#)

BROWSE BY SUBJECT Browse for papers by Library of Congress Subject Headings

BROWSE BY FACULTY Browse for papers by Faculty or Administrative Unit

ADVANCED SEARCH Preset Limits such as Subject and Document Type

Quick Links

- [MERLIN Library Catalogue](#)
- [eprints.org](#)
- [Open Archives Initiative](#)
- [Search across ePrints Archives](#)

ePrints by Faculty - Microsoft Internet Explorer provided by The University of Glasgow

File Edit View Favorites Tools Help Address <http://eprints.lib.gla.ac.uk/faculty.html>

Back Forward Stop Refresh Home Search Favorites History Print Mail Stop

Depositing Papers
Copyright Matters
Frequently Asked Questions

Faculties

- [Arts \(3\)](#)
 - [HATII \(1\)](#)
 - [Music \(1\)](#)
 - [STELLA \(1\)](#)
- [Biomedical & Life Sciences \(3\)](#)
 - [Division of Environmental and Evolutionary Biology \(3\)](#)
- [Computing Science, Mathematics & Statistics \(1\)](#)
 - [Computing Science \(1\)](#)
- [Divinity](#)
- [Education](#)
- [Engineering](#)
- [Law & Financial Studies](#)
- [Medicine \(including Dentistry and Nursing\)](#)
- [Physical Sciences \(1\)](#)
 - [Physics \(1\)](#)
- [Social Sciences \(1\)](#)
 - [Psychology \(1\)](#)
- [Veterinary Medicine](#)

Administrative Units

- [Central Administration](#)
- [Information Services \(21\)](#)
 - [Archives \(1\)](#)
 - [Computing Service \(4\)](#)
 - [Library \(12\)](#)
 - [GAELS Project \(3\)](#)

Local intranet

eTheses

- **Networked Digital Library for Theses and Dissertations**
 - Virginia Tech, Ed Fox
 - **145 members worldwide**
 - City University
 - British Library
 - Edinburgh
 - Glasgow

eTheses

- **Universities Thesis Online Group (UTOG)**
 - Originally focused on digitisation of print theses
 - Commissioned studies via Edinburgh
- **Dimensions**
 - 370 PhD theses defended each year at Glasgow
 - VT has >3K ETDs, >3M PDFs supplied in one year!
- **Issues**
 - Regulations
 - Authenticity
 - Restrictions
 - Preservation

JISC FAIR Programme

- **JISC Circular 1/2002: Focus on Access to Institutional Resources**
 - ‘inspired by the vision of the Open Archives Initiative [that] digital resources can be shared between organisations’

JISC FAIR Programme

- **Large no of bids**
- **14 projects funded**
- **5 clusters**
 - ePrints (4)
 - eTheses (3)
 - IPR (1+)
 - Institutional portals (2)
 - Museums and images (4)

Daedalus



- 'development of a network of different data providers for a range of institutional assets to be exploited by a local harvesting service'
 - Academic [Published] papers
 - Pre-prints and Grey Literature
 - eTheses
 - Research Resource Finding Aids (Archives and Special Collections)
 - Institutional Management, Policy and Regulatory documents (linked to CDocS)

Daedalus

- Local service provider
- Advocacy
 - Eg <http://www.gla.ac.uk/createchange>
- Programme of studies, workshops and reports
- Links to SHERPA, HAIRST, eThesis projects...

Summary

- OAI approach to sharing metadata has great potential
- Barriers more human than technical
- Needs concerted advocacy
- Impact of lower quality metadata unproven