

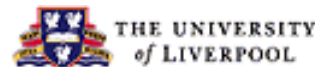
IESR and SPP: building and using a shared service



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Overview



- Background to IESR
- What's in the IESR
- How to get to the data
- On to SPP's use of the IESR

Current digital landscape



...a vast and sometimes bewildering range of potential sources of electronic information.

Little wonder, then, that many users remain unaware of their existence or fail to discover their value for their own learning, teaching or research.

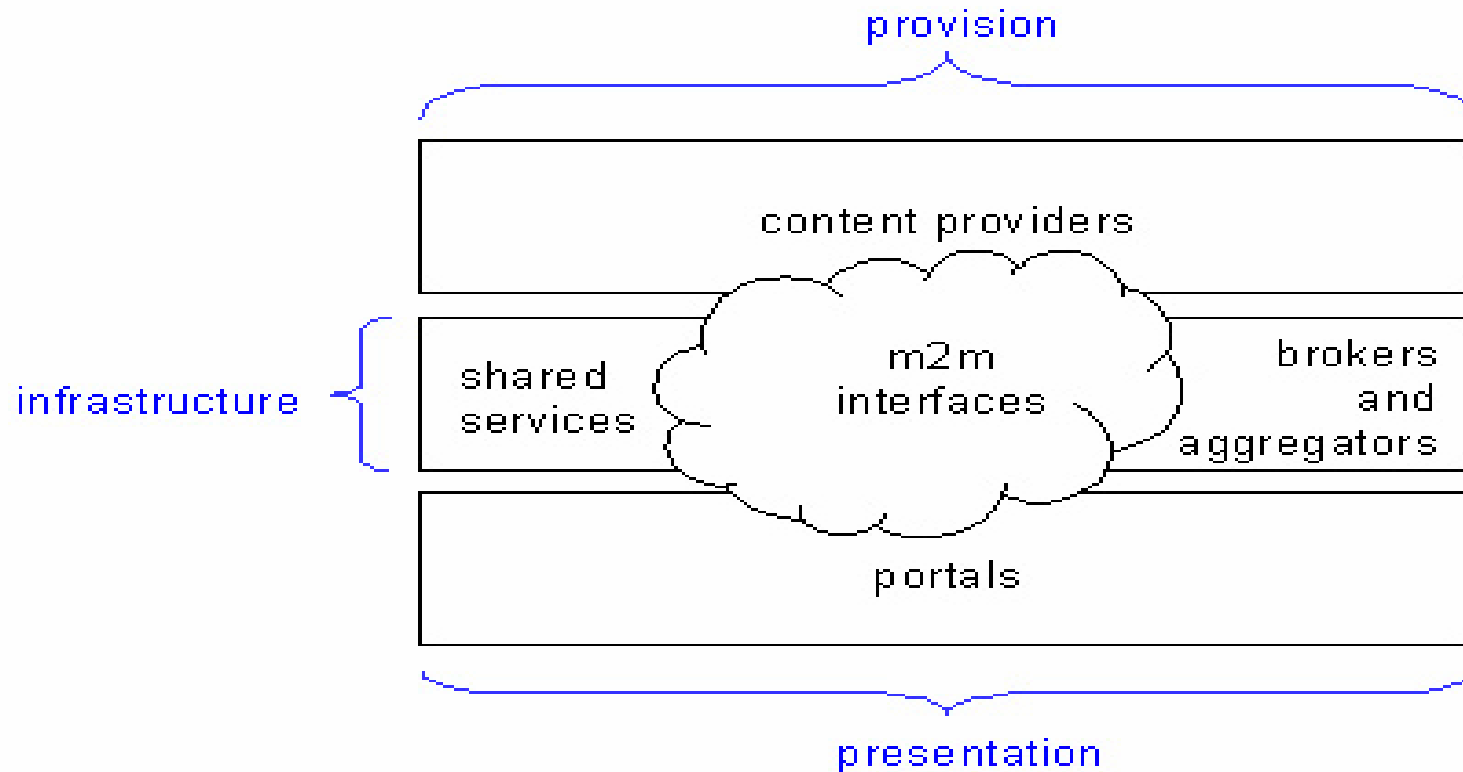
Investing in the Future:

Developing an Online Information Environment

http://www.jisc.ac.uk/index.cfm?name=ie_home

-
- aims to make it easier for the user to find relevant information and learning resources
 - will enable presentation, delivery and use of online resources in ways tailored to support individual and institutional requirements in learning, teaching and research

IE Technical Model



Information Environment: Development Strategy, 2001 - 2005
http://www.jisc.ac.uk/index.cfm?name=strat_ieds0105_draft2

Shared Services



To enable portals and other services to deliver diverse digital resources, machine-readable information about services, content, rights and users is required to act as the “glue” between portals and the content itself.

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Shared Services



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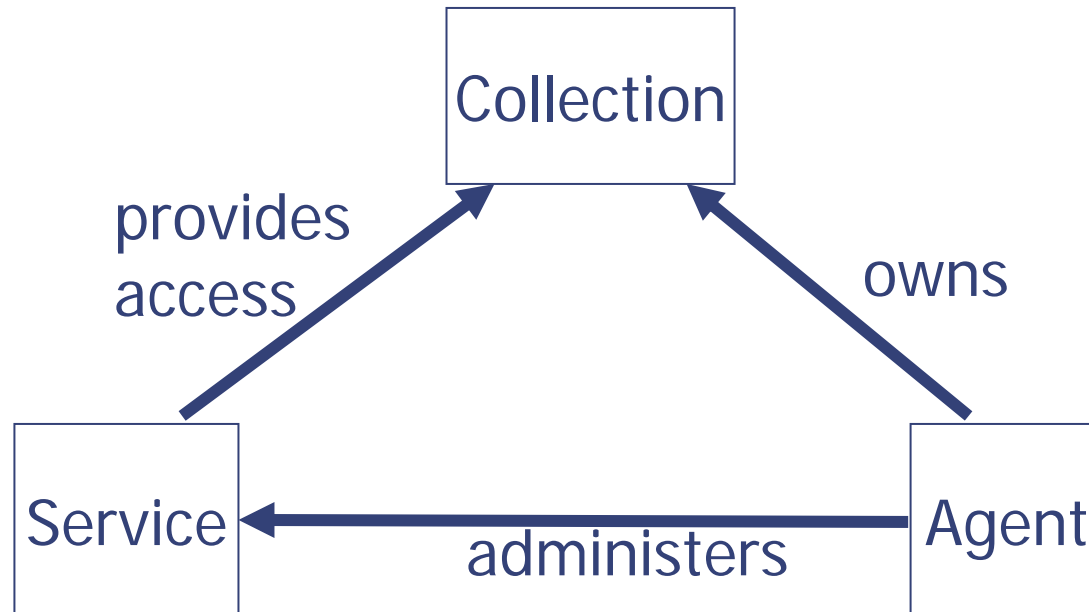
Project history



- Partners
 - MIMAS, University of Manchester
 - UKOLN, University of Bath
 - Cheshire Development Team, University of Liverpool
- Funded by the JISC in three phases since November 2002
- Current phase started 1 March 2005

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- A registry of the electronic resources available within the JISC's Information Environment
 - Contains information about:
 - the resources themselves
 - how to access the resources
 - the resource provider(s)
 - Is accessible by other applications via machine-to-machine interfaces

IESR Entities



Collections



- 259 resources currently described, submitted by JISC service providers:
 - AHDS
 - Edina
 - MIMAS
 - Resource Discovery Network
 - UK Data Archive
 - UK Mirror Service (now the JISC National Mirror Service)

Collection description



Title:	PSIgate
Alternative Title:	Physical Sciences Hub of the Resource Discovery Network
Collection Id:	http://purl.org/doi/iesr.ac.uk/1084527297-21797
Coll Description:	PSIgate - the physical sciences hub of the Resource Discovery Network. PSIgate is a free service that provides access to a searchable catalogue of high quality Internet-based resources in the physical sciences. The service is made up of a series of specialist subject gateways covering: astronomy, chemistry, earth sciences, materials sciences, physics and policy and history of science. Many additional services are provided including: Timelines, the Spotlight science magazine, plug-in bank, jobs and courses, current science news, and the ability to broaden searches via an internal search engine - the 'Web Catalogue'.
Collection Type:	Catalogue.Internet.Text; Collection.Internet.Text
Format:	Collection of metadata records about web resources.
Language:	en
Coll hasService:	http://purl.org/doi/iesr.ac.uk/1084526666-17399 ; http://purl.org/doi/iesr.ac.uk/1084526653-17319 ; http://purl.org/doi/iesr.ac.uk/1084526679-17485
Coll Copyright:	Copyright. (c) PSIgate
Coll Use Rights:	Catalogue descriptions may not be used without permission.
Coll Access:	Freely available.
Collection Logo:	http://www.psigate.ac.uk/newsite/main/psigatologo_small.gif
Subject (DDC):	500; 501; 509; 520; 530; 540; 550; 620.11
Subject (JACS):	F100; F200; F300; F500; F600; F700; F820; F860; F900; H140; H340; H310; H440; J200; J300; J400; J500; V380; V550
Contents Date:	2000-06/
Uses Ctrld List:	LOCAL
Coll Owner:	http://purl.org/doi/iesr.ac.uk/1084526488-15897

Service description and IESR administrative metadata



Service: 4
Service Title: Zetoc Z39.50 search
Service Id: <http://purl.org/doi/iesr.ac.uk/1084445578-11684>
Service Location: zetoc.mimas.ac.uk:2121/zetoc
Service Interface: <http://iesr.ac.uk/registry/intf/zeerex/1084445578-11684-zx.xml>
Access Method: z3950
Access Control: ip; athens
Service Standard: bath-1-c
Service Help: <http://zetoc.mimas.ac.uk/z3950.html>
Svc Administrator: <http://purl.org/doi/iesr.ac.uk/1084445246-9103>
Serves: <http://purl.org/doi/iesr.ac.uk/1084445955-14535>

About: <http://purl.org/doi/iesr.ac.uk/1084445578-11684>
Supplier: MIMAS: <http://purl.org/doi/iesr.ac.uk/1084445246-9103>
Publisher: JISC Information Environment Service Registry (IESR): <http://iesr.ac.uk>
Metadata Date: 2004-11-16
Rights: <http://creativecommons.org/licenses/by-nc-sa/2.0/>
Rights: This IESR administrative metadata must always be retained with its associated entity description.

Some services don't have collections...



IESR Type: Transactional Service

Service: 1

Service Title: MIMAS LitLink Service

Service Id: <http://purl.org/doi/iesr.ac.uk/1084445332-9667>

Svc Description: This LitLink service is provided by MIMAS for use by the UK academic community, and also by users at Irish and Scandinavian institutions that subscribe to the CHEST CrossFire agreement.

Service Location: <http://litlink.mimas.ac.uk/LitLink/servlet/LitLink?>

Access Method: openurl

Service Type: OpenURL Resolver

Service Output: text/html

Access Control: athens; ip

Service Standard: openurl-01

Service Help: <http://litlink.mimas.ac.uk/>

Svc Administrator: <http://purl.org/doi/iesr.ac.uk/1084445246-9103>

IESR Content

- Descriptions of:
 - Collections of resources
 - Informational Services that provide access to those resources
 - Agents: Owners / Administrators
 - Transactional Services
- Information supplied by resource providers
- Check by IESR content manager

IESR Creative Commons Licence



- All IESR records licensed under a Creative Commons licence:
 - Non-commercial (freely available)
 - Share-alike (maintain same licence)
 - Attribution-required (attribute provenance)
- Suppliers agree to this licence on submission of data
- <http://creativecommons.org/licenses/by-nc-sa/2.0/uk/>

Using IESR data



- Available through various services:
 - Z39.50 (full IESR records in SUTRS & XML)
 - OAI-PMH (IESR entities in Dublin Core and IESR XML)
 - Web Search and Browse
 - Web Services SOAP (planned)
 - SRW
 - RSS (later)
 - UDDI (under investigation)

Immediate priorities for project



- Making it easy to add and update metadata about resources
 - Increasing the number of resources described
 - Increasing the usefulness of the registry
- Adding further ways of accessing IESR data
 - Increasing use of the IESR

Using IESR



- Portal
 - Search of IESR on behalf of user
 - Portal builder doesn't need to know about resources
 - Users discover collections unaware of, on basis of IESR descriptions (these are fairly high-level)
 - Harvest IESR records for incorporation in:
 - Local service registry
 - Knowledgebase (convert to appropriate format)
 - Re-use collection descriptions (over to Jasper...)