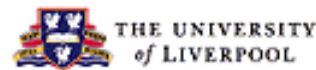


# Welcome and Introduction



Amanda Hill

MIMAS, University of Manchester, UK



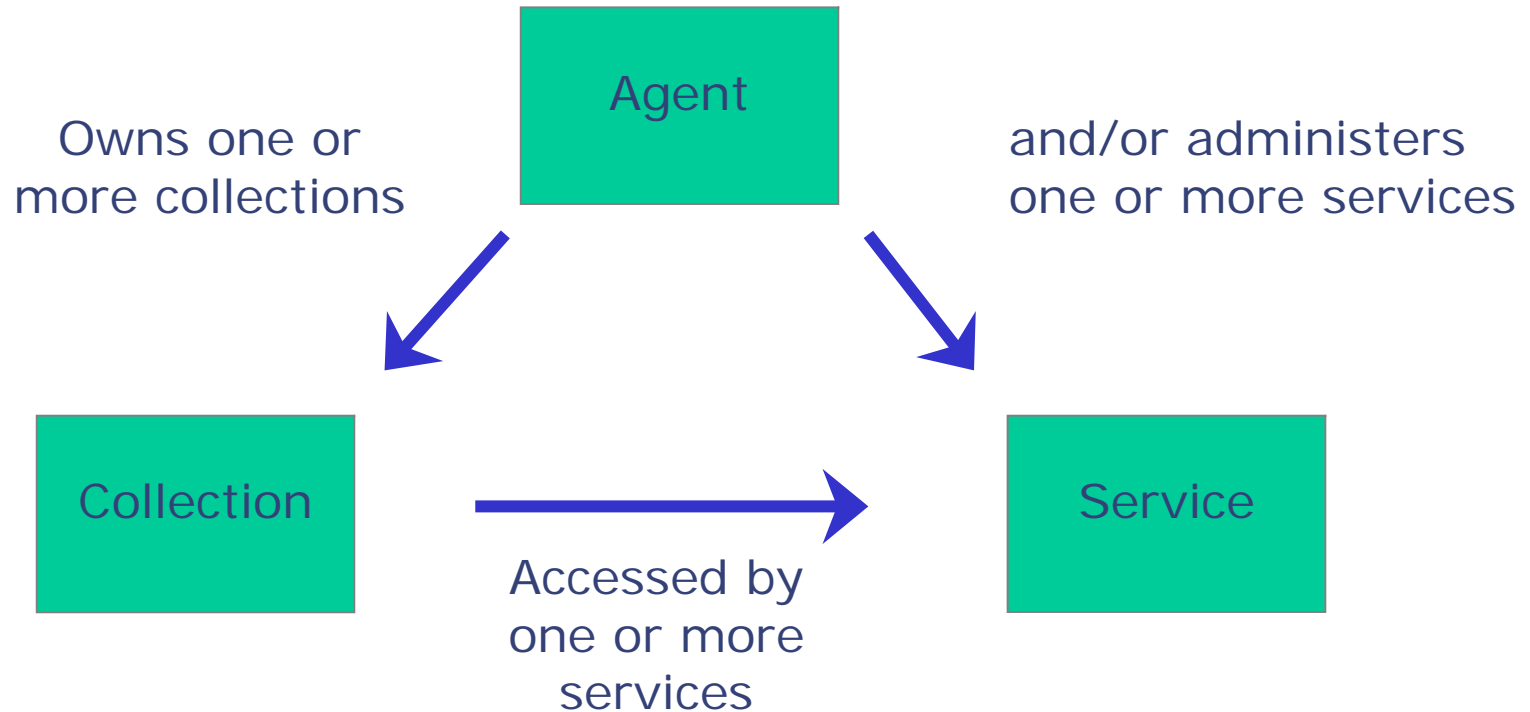
- 
- A registry of electronic resources available within the JISC's Information Environment
  - Developed to increase levels of use and awareness of (initially) JISC-funded resources
  - Contains information about:
    - the resources themselves
    - how to access the resources
    - the resource provider(s)
  - Is accessible by applications via machine-to-machine interfaces

# Project history



- Partners
  - MIMAS
  - UKOLN
  - University of Liverpool
- Funded by JISC in phases since November 2002
- Current phase ends February 2005
- Next phase starts March 2005

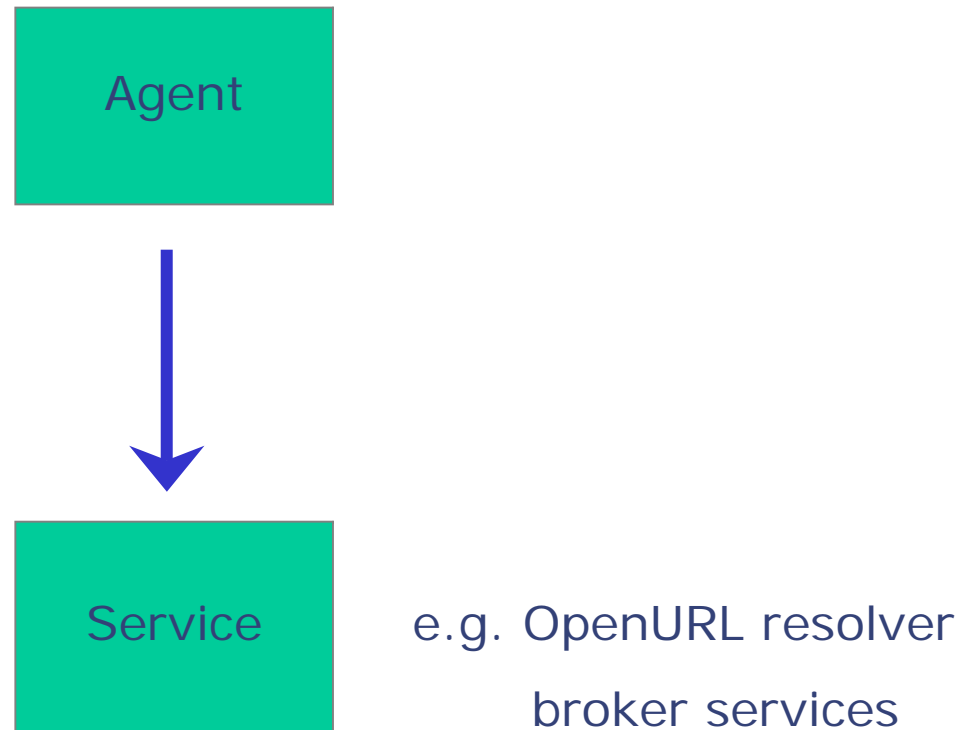
# IESR Model 1



# IESR Model 2



For services without associated collections:



# Collections



- Metadata about collections is based on the RSLP Collection Description Schema
- 258 resources currently described, submitted by:
  - AHDS
  - Edina
  - MIMAS
  - Resource Discovery Network
  - UK Data Archive
  - UK Mirror Service (now the JISC National Mirror Service)
- In forthcoming phase, we will be expanding our content to encompass non-JISC service providers: e.g.
  - institutional resources (e.g. digital repositories, OPACs)
  - resources of other Common Information Environment partners

# Services (access methods)



- Types of machine-accessible service described:

OAI-PMH	RSS feed
SOAP	SRW
Web cgi	Z39.50

- and (to reflect current situation)
  - Web page
- Metadata for service descriptions varies according to the type of access method being described

# Example of an IESR record

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Label	Data
-------	------

IESR Identifier:	<a href="http://purl.org/poi/iesr.ac.uk/1091023547-19707">http://purl.org/poi/iesr.ac.uk/1091023547-19707</a>
------------------	---

Metadata Date:	2004-07-28
----------------	------------

Supplier:	RDN
-----------	-----

Metadata Rights:	<a href="http://creativecommons.org/licenses/by-nc-sa/2.0/">http://creativecommons.org/licenses/by-nc-sa/2.0/</a>
------------------	---

IESR Type:	Collection
------------	------------

Title:	EEVL Computing Section
--------	------------------------

Collection Id:	<a href="http://purl.org/poi/iesr.ac.uk/1091023547-19707">http://purl.org/poi/iesr.ac.uk/1091023547-19707</a>
----------------	---

Coll Description:	EEVL's Internet Resources Catalogue Computing section provides descriptions and links to over 2,000 quality Internet resources in the subject of computing
-------------------	--

Collection Type:	Catalogue.Internet.Subject
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Language:	en-GB
-----------	-------

Coll hasService:	<a href="http://purl.org/poi/iesr.ac.uk/1091023418-18793">http://purl.org/poi/iesr.ac.uk/1091023418-18793</a> ; <a href="http://purl.org/poi/iesr.ac.uk/1091023269-17822">http://purl.org/poi/iesr.ac.uk/1091023269-17822</a> ; <a href="http://purl.org/poi/iesr.ac.uk/1091023334-18219">http://purl.org/poi/iesr.ac.uk/1091023334-18219</a>
------------------	--

Coll Copyright:	Copyright Heriot Watt University 1996 - 2003
-----------------	--

Subject (DDC):	003.3; 003.54; 003.7
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Subject (JACS):	G400; G500; G600; G700; G900
-----------------	------------------------------

Subject (UDC):	004
----------------	-----

Uses Ctrld List:	ACM
------------------	-----

Coll Owner:	<a href="http://purl.org/poi/iesr.ac.uk/1091023188-17163">http://purl.org/poi/iesr.ac.uk/1091023188-17163</a>
-------------	---

## Collection Description

Service:	1
----------	---

Service Title:	EEVL Search
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Service Id:	<a href="http://purl.org/poi/iesr.ac.uk/1091023418-18793">http://purl.org/poi/iesr.ac.uk/1091023418-18793</a>
-------------	---

Service Location:	<a href="http://www.eevl.ac.uk/computing/index.htm">http://www.eevl.ac.uk/computing/index.htm</a>
-------------------	---

Location:	
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Access Method:	webpage
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Access Control:	none
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Service Help:	<a href="http://www.eevl.ac.uk/search-help.htm#cross">http://www.eevl.ac.uk/search-help.htm#cross</a>
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Svc Administrator:	<a href="http://purl.org/poi/iesr.ac.uk/1091023188-17163">http://purl.org/poi/iesr.ac.uk/1091023188-17163</a>
--------------------	---

## Service Description

(web page)

# Example of an IESR record

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Service: 2  
Service Title: EEVL New Learning Materials for Computing  
Service Id: <http://purl.org/oi/iesr.ac.uk/1091023269-17822>  
Svc Description: The latest learning material resources added to the EEVL Internet Catalogue - Computing  
Service Location: <http://www.eevl.ac.uk/cgi-bin/learn-com-on-eevl.rss>  
Access Method: rss  
Access Control: None  
Service Standard: rss-1\_0  
Service Help: <http://www.eevl.ac.uk/workingwith.htm#sect3>  
Svc Administrator: <http://purl.org/oi/iesr.ac.uk/1091023188-17163>

---

Service Description  
(RSS feed)

Service: 3  
Service Title: EEVL New Resources for Computing  
Service Id: <http://purl.org/oi/iesr.ac.uk/1091023334-18219>  
Svc Description: The latest resources added to the EEVL Internet Catalogue - Computing  
Service Location: <http://www.eevl.ac.uk/cgi-bin/new-com-on-eevl.rss>  
Access Method: rss  
Access Control: None  
Service Standard: rss-1\_0  
Service Help: <http://www.eevl.ac.uk/workingwith.htm#sect3>  
Svc Administrator: <http://purl.org/oi/iesr.ac.uk/1091023188-17163>

---

Service Description  
(RSS feed)

Agent: 1  
Agent Name: EEVL  
Agent Id: <http://purl.org/oi/iesr.ac.uk/1091023188-17163>  
Agent email: [l.kerr@hw.ac.uk](mailto:l.kerr@hw.ac.uk)  
Agent URL: <http://www.eevl.ac.uk>

Agent Description

# Using the IESR data



- IESR data is held in an XML repository and made available via Cheshire II information retrieval software
- Currently provides web and Z39.50 access to the IESR metadata:  
[www.iesr.ac.uk/registry](http://www.iesr.ac.uk/registry)
- Next steps: OAI-PMH and SRW (Search and Retrieve Web service) interfaces

# User groups

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- Resource providers
- Application developers
- End users

# Resource providers

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- Need to:
  - Supply and maintain descriptions of their resources
  - Liaise with IESR Content Manager to ensure a consistent quality of metadata
- Will benefit from:
  - Increased awareness and use of resources
  - High quality metadata about resources which can be re-used in a variety of ways

# Application developers

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- Portals, brokers, aggregators...
- Are able to:
  - Integrate the IESR within their systems
- Will benefit from:
  - Access to a reliable source of up-to-date information about high-quality resources and their interfaces
  - Not having to maintain this information themselves!

# End users

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- Teachers, researchers, learners...
- Are able to:
  - Use the portals, brokers and aggregators which are using the IESR
- Will benefit from:
  - Greater awareness of available resources
  - Improved teaching/research/learning

# Immediate future

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- Develop an input/editing interface for resource providers
- Develop an OAI repository for IESR data
- Increase number of protocols through which IESR data can be accessed – including looking at providing data in UDDI form

# Issues



- Not many machine-to-machine services to describe yet!
  - Over 95% of the service descriptions currently in the IESR are for web pages
- Still a project rather than a service
- Need a clearer understanding of how the data will be used – hence today's meeting