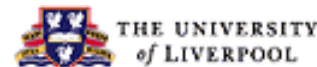


JISC Information Environment Service Registry (IESR)

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MIMAS,

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Outline

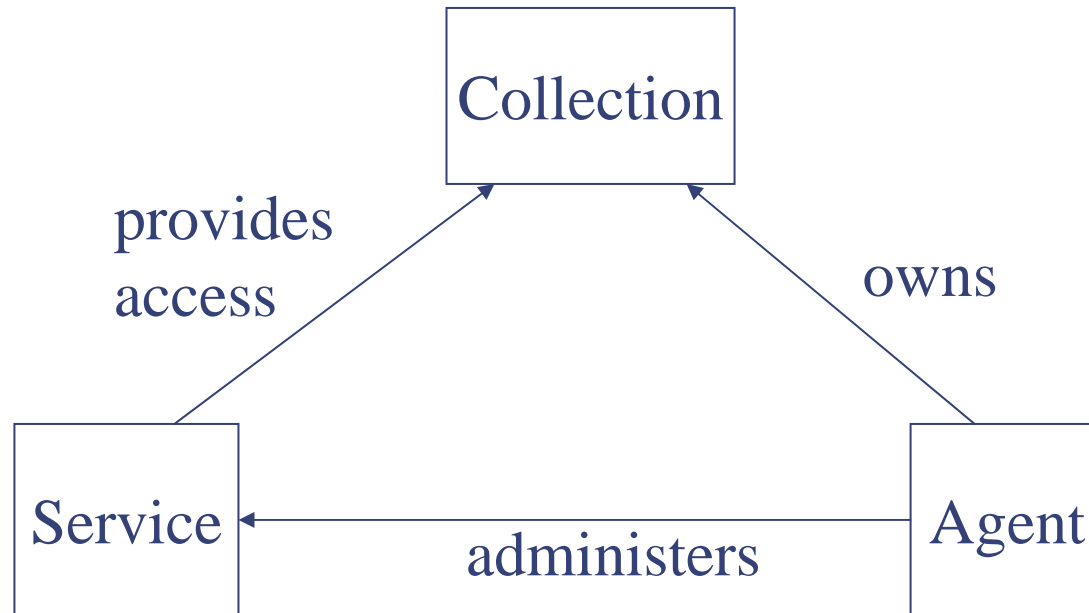


- IESR content description
- IESR services
- Using IESR
- The future of IESR
- Scope of IESR
- Distributed registry model

IESR Content

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

IESR Entities



IESR Entity Description

- Entities identified with URI
- Described by metadata
- Based on open standards
- IESR terms defined in IESR namespace
- Metadata defined by Application Profile
 - Semantics
 - Occurrence
 - Searchable

IESR Collection Metadata



-
- Based on RSLP Collection Description Schema
 - Simplification for electronic resources
 - Consistent with standards development

Vocabulary Encoding Schemes



- Defined in Application Profile
- Single backbone subject scheme
 - Dewey Decimal Classification System
- Other common vocabularies supported
- `iesr:usesControlledList`
 - IESR defined list (extensible)
 - terminology service; item level search

Title: ESDS International Macro data

Collection Id: <http://purl.org/poi/iesr.ac.uk/1084445753-12967>

Coll Description: ESDS International provides web based access to a range of macro-economic datasets. Macro data are data aggregated to a country or regional level. The macro databanks in ESDS International all contain socio-economic time series data for a range of countries over a substantial time period. Many of the databanks are the current releases of the major statistical publications produced by intergovernmental organisations such as the World Bank, International Monetary Fund or United Nations. Topics covered include national accounts, industrial production, employment, trade, demography, human development and other indicators of national performance and development.

Collection Type: Collection.Dataset.Subject.

Format: Data available for download in Beyond 20/20 WDS is available in *.csv, *.ivt or *.xls format. Data available for download in SearchNS is available in Space separated, Comma separated, SPSS, SAS and minitab.

Language: en

Coll hasService: <http://purl.org/poi/iesr.ac.uk/1084445480-10955>

Coll Copyright: Copyright information is available for each separate dataset within the collection.

Coll Use Rights: During the online ESDS registration process users have to agree to the following end user licence before being allowed access to the data: http://www.esds.ac.uk/registration/licence_idr.asp

Coll Access: Available to UK FE and HE. Conditionally free. Registration required.

Subject (HASSET): Economics; Industry and Management; Social Structure and Stratification; Employment and Labour

Spatial (HASSET): Africa; America; Arab Countries; Asia; Atlantic Ocean Territories; Australasia; Commonwealth; Europe; Indian Ocean Territories; Mediterranean Countries; Oceania; Western Hemisphere

Temporal: 1948/

Uses CtrlId List: LOCAL

Coll Owner: <http://purl.org/poi/iesr.ac.uk/1084445246-9103>

Coll isPartOf: <http://www.esds.ac.uk/>

hasAssociation: <http://www.esds.ac.uk/International/access/micro.asp>

hasPublication: <http://www.esds.ac.uk/International/access/macro.asp>

IESR Service Metadata

- More than RSLP CD 'locator'
- Bespoke IESR scheme, uses open standards
- Single access method:
 - Z39.50, SOAP, OAI-PMH, Web/CGI
- Location URL
- Interface property for some service types

Rights: <http://creativecommons.org/licenses/by-nc-sa/2.0/uk/>
Rights: This IESR administrative metadata must always be retained with its associated entity description.

Service: 3
Service Title: SOSIG Internet Resource Catalogue Z39.50
Service Id: <http://purl.org/poi/iesr.ac.uk/1084526746-17952>
Service: z3950s://sosig.ac.uk:2104/sosig
Location:
Service Interface: <http://iesr.ac.uk/registry/intf/zeerex/1084526746-17952-zc.xml>
Access Method: z3950
Access Control: None
Service Help: http://www.sosig.ac.uk/about_us/connect.html
Svc: <http://purl.org/poi/iesr.ac.uk/1084526500-15966>
Administrator:
Serves: <http://purl.org/poi/iesr.ac.uk/1084527323-22034>; <http://purl.org/poi/iesr.ac.uk/1084527337-22125>

About: <http://purl.org/poi/iesr.ac.uk/1084526746-17952>
Supplier: RDN: <http://purl.org/rdn/>
Publisher: JISC Information Environment Service Registry (IESR): <http://iesr.ac.uk>
Metadata Date: 2004-05-14
Rights: <http://creativecommons.org/licenses/by-nc-sa/2.0/uk/>
Rights: This IESR administrative metadata must always be retained with its associated entity description.

Service: 4
Service Title: SOSIG Internet Resource Catalogue Open Archive
Service Id: <http://purl.org/poi/iesr.ac.uk/1084526719-17787>
Service: <http://www.sosig.ac.uk/oaicat/servlet/OAIHandler?verb=Identify>

Other Service types



- SOAP:
 - Locator: access URL
 - Interface: WSDL
- OAI-PMH:
 - Locator: BaseURL
 - Interrogate service (Identify) for details
- OpenURL: Locator: BaseURL
- Web CGI: Interface: arguments
- Web page: Locator: URL

IESR Agent and Administrative Metadata



- Agent: contact details
- Administrative:
 - Included with every entity
- IESR includes:
 - creating organisation, publisher: IESR
 - latest modification date
 - rights to reuse descriptions

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
- <http://creativecommons.org>

IESR Services

- Z39.50
 - Search via Bib-1
 - SUTRS; XML
- OAI-PMH for harvesting
- Web Services SOAP (planned)
 - SRW; NISO VIEWS
- RSS (later)
- UDDI (under investigation)
- Web Search and Browse

IESR XML

- Composite Collection record via Z39.50:
 - Collection
 - All services that provide access
 - All agents:
 - Owners of collection
 - Administrators of services
- Single entity record via OAI-PMH
- Simple Dublin Core for Interoperability

Using IESR



- Portal
 - amalgamated set of resources
- Metasearch on behalf of user
 - Social Science portal discovers collections
 - Provides cross-search to end-user
 - Portal builder doesn't need to know about all resources
 - Users discover collections unaware of

Using IESR



- Portal: Harvest IESR records
 - Local service registry
 - Knowledgebase (convert to appropriate format)
 - Local configuration file
- Portal: Link to Web Search - general resource discovery
- RSS Aggregator:
 - news feeds; data alerts
- Reuse collection description

IESR Future

- Current phase until July 2006
- More and updated content
- New IESR services
- Demonstrating viable IESR use
- Maintenance of metadata schema
 - Practical application of collection description
- Persistence of content

Scope Issues



- Scope of IESR: JISC, UK, international?
 - User community requirements
- Scalability
 - Is data maintenance and QA manageable?
 - Service-oriented architectures implications
- Data ownership
 - Who describes commercial resources?
 - Who describes free stuff?

More Scope Issues



- Aggregated content
 - Single description of resource desirable
- New types of resources
 - Electronic journals – latest issue?
 - E-learning resources
 - Institution resources
 - Library catalogues
 - Repositories – do these need own registry?
 - Institution profile

Portal View of IESR

- Institutional Portal
 - May prefer to maintain own registry
- Library Portal
 - Includes 'paid for' knowledgebase
 - Institution subscriptions data
- Vendor view of IESR
 - Provide competition?
 - Be a source of information?
 - Take over maintenance?

Horizon Scanning



- Distributed model
- Each node describes own resources
 - JISC data centres; Publishers; Aggregators; Institutions
 - Improves maintenance / scalability
 - Not everyone will want own registry
 - Will coverage be a problem?
 - May still need UK HE/FE registry

Searching Virtual Registry



- Metasearch (Z39.50 / SRW)
 - May be too high a barrier for portals
- UDDI
- Aggregate by OAI-PMH harvest

Aggregated Registry



- Community Registry: selective view
 - UK academic registry: could be IESR clone
 - International registry
 - Biosciences registry
 - Registry of freely available resources
- How to find registries?
 - Registry of registries?

More issues



- Interaction with other shared services
- Sharing collection descriptions
- Who creates community registries?
- Who describes free resources?
- Terminology backbone
- Use rights
- Encouraging use
- Software for node registries

IESR Details

Specifications: <http://iesr.ac.uk/metadata/>

Application Profile: <http://iesr.ac.uk/profile/>

XML Schema: <http://iesr.ac.uk/profile/xsd/iesr.xsd>

Web Search IESR: <http://iesr.ac.uk/registry/>

Z39.50 service: <http://iesr.ac.uk/use/z3950/>

OAI-PMH service: <http://iesr.ac.uk/use/oaipmh/>

IESR Helpline service: iesr@mimas.ac.uk

Ann Apps: ann.apps@manchester.ac.uk