Eprints Application Profile

UK Repositories Search Project Meeting
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Background and Scope

- JISC-funded
- Scope defined by JISC
- Overall aim
  - (Interim) Solution to metadata issues in Eprints UK project, and others (e.g. PerX)
- Timescale: May-July 2006
- Coordinated by Andy Powell (Eduserv Foundation) and Julie Allinson (UKOLN, Digital Repositories Programme Support)
  - Working Group / Feedback Group

Scope

- In scope
  - DC elements plus any additional elements necessary
  - Identifiers for metadata records, data, related resources etc.
  - Hospitable to the use of a variety of subject access solutions e.g. classification schemes, controlled vocabularies, name authority lists
  - Establishing an understanding of complex objects and prioritising requirements
  - Inclusion of properties required to fulfil other search requirements such as institution of origin, research funder, national and regional views, as provided by Intute
- Out of scope
  - Other metadata formats
  - Other uses of identifiers.
  - Decisions on terminology solutions
  - Decisions on how to model complex objects

Stakeholders

- Designated Community
  - UK repositories search service
  - Interim repository
  - repository software developers
  - repository managers/administrators
- Other stakeholders
  - Users, of the search service
  - JISC
  - Other funding bodies
  - DCMI community
  - Other services, regional, national and international

Deliverables

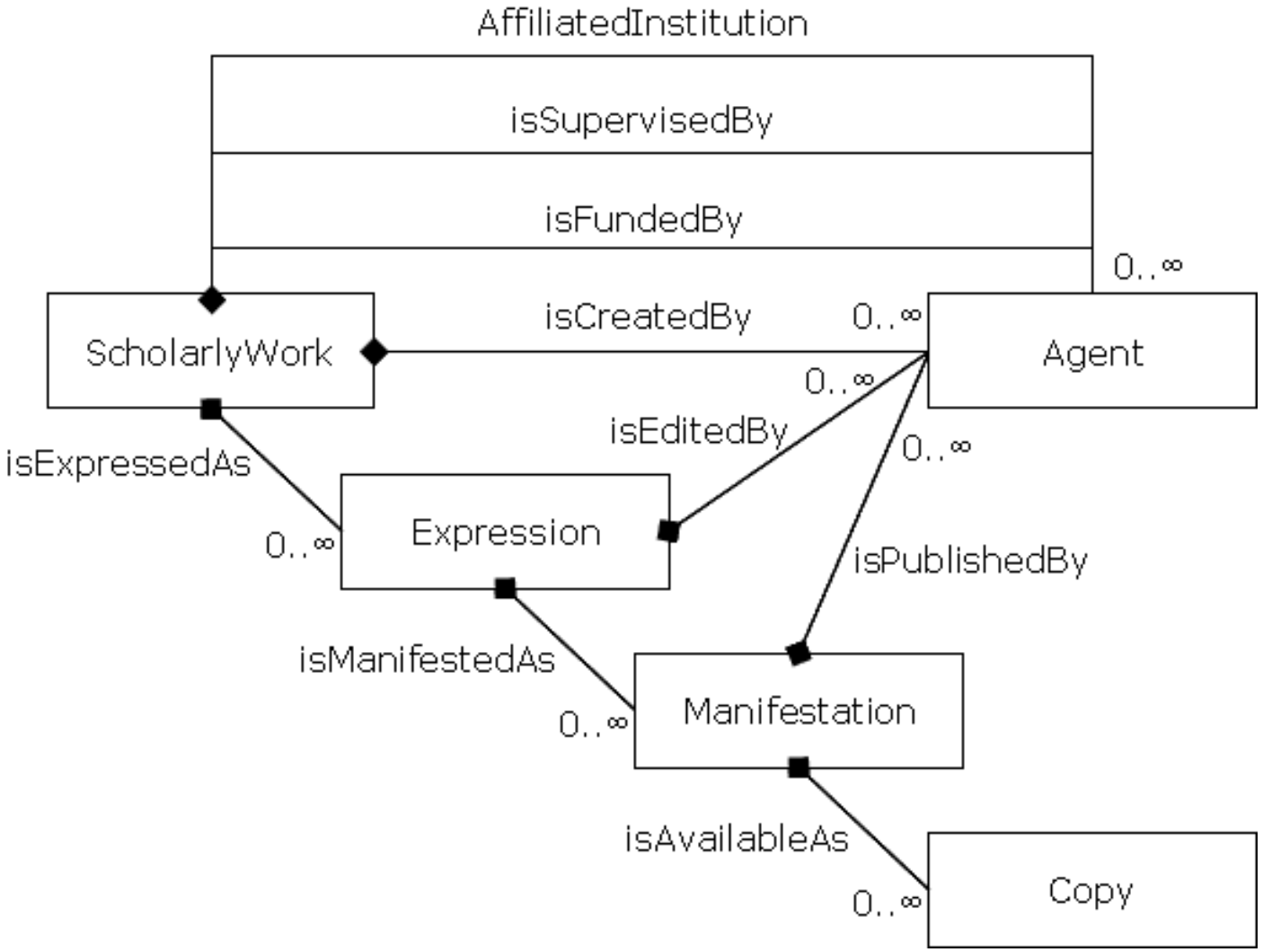
- Functional Requirements Specification
- Entity-Relationship Model
- Eprints Application Profile
- Cataloguing/Usage Guidelines
- Plan for Community Acceptance and Take-up

Functional requirements

- Richer metadata set for aggregators
- More consistent metadata for aggregators
- Preliminary solution to version identification issues
  - including identifying ‘latest’ version, different revisions, translations and multiple formats
- Guidance on encoding identifiers for metadata/jump-off pages and actual resources
- Recommendations for including bibliographic citations
- Identifying Open Access materials

Entity-Relationship Model

- Based on FRBR (Functional Requirements for Bibliographic Records) – hierarchical relationships as follows
  - ScholarlyWork (FRBR Work) = the 'intellectual work'; has one or more
  - Expression(s) = different versions (e.g. translations, preprint, postprint etc.) of the work; is manifested as one or more
  - Manifestation(s) = different formats (e.g. .doc, .pdf); is available as one or more
  - Copy/Copies (FRBR item) = locator
  - Agent (FRBR Person/Corporate Body)
- Modelled according to the DC Abstract Model
  - Descriptions are created for each entity
  - Descriptions are collected together in a Description Set
  - Relationships link the descriptions together


AffiliatedInstitution
isSupervisedBy
isFundedBy
0..∞
ScholarlyWork
isCreatedBy
0..∞
Agent
0..∞
isEditedBy
isExpressedAs
0..∞
Expression
0..∞
isPublishedBy
isManifestedAs
0..∞
Manifestation
isAvailableAs
0..∞
Copy

Model

- +ves
  - Richer metadata, including relationships
  - Avoid the round pegs and square holes of dumb-down to simple-DC
  - Extensible – easy to extend the model with new relationships and elements
- -ves
  - New approach, adds complexity
  - Demands changes to existing practices
  - Testing and use may demand further changes

Application Profile

- Almost complete
- Contains recommendations, cataloguing/usage guidelines and examples
- Little is mandatory, prescriptive statements limited
- Contains:
  - Simple DC elements (the usual suspects …)
  - Qualified DC elements (accessRights, Licence etc.)
  - New elements (status, agent information etc.), some re-used from other schemes (MARC relators, foaf)
  - Clearer use of existing relationships (hasVersion, isPartOf)
  - New relationships (hasAdaptation, hasTranslation)

Community Acceptance Plan

- Application Profile as a start
- Community take-up will validate
- Deployment by developers, repositories, services
  - Statements from Eprints, DSpace, Fedora, Intute, EDINA
- Dissemination
  - Workshop at DC 2006
  - UK workshop for the community planned for Sep/Oct
  - Ongoing
- Recommendations for further work
  - E.g. XML schema