ASPECT

THE ASPECT INTEGRATED SYSTEM

FOR CONTENT DISCOVERY AND USE

EMINENT - Copenhagen
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The ASPECT integrated system

Creating resources

Preparing resources for content use

Packaging specifications

Preparing resources for search and retrieval

Finding and using resources

Making resources available

Metadata specifications

Specifications and tools integration for harvesting, validation, transformation and enrichment

Tools integration
Preparing resources for content use

Processes

Locate and/or develop resources
Package resources
Validate package
Test package

Packaging specifications

Creating resources
Finding and using resources
Making resources available
Preparing resources for search and retrieval
The ASPECT integrated system
Prefered resources for search and retrieval
Metadata specifications
Specifications and tools integration for harvesting, validation, transformation and enrichment

Preparing resources for content use

Adopting Standards and Specifications
for Educational Content
Preparing resources for content use

Focus on work with the IMS Common Cartridge specification, i.e. working with

- Packaging tools – illustrated by means of the Common Cartridge Builder
- Validation tools – an offline validator application and an online IMS validator (http://validator.imsglobal.org/)
- Runtime test – using the Icodeon Common Cartridge Platform
Preparing resources for search and retrieval

Metadata specifications

Focus on our work on metadata – in particular the validation and conversion tools and services

- Validation tools – illustrated with ARIADNE validation service
Making resources available

1. Register

2. Query collections

3. Harvest

4. Internal processes:
   - validation
   - transformation

5. Status

6. Publish
   - Enrichment, e.g.
     - identifier
     - translation
   - Final steps
     - transformation
     - indexing

Feedback:
- website
- RSS feed
- e-mail

Local repository

LOR Registry

ASPECT Harvester

Storage

ASPECT Metadata

Packaging specifications

Creating resources

Preparing resources for content use

Preparation of resources for search and retrieval

Tools integration

Preparing resources for content use

Creating resources

Packaging specifications
Search, retrieval and use

Illustrating:

- How our work on metadata allows the user to search ‘across language barriers’
- How some of the advanced search features of the LRE work
- Tools integration and content use
  - LRE – Icodeon CC platform integration based on LTI (Learning Tools Interoperability)
  - LRE – Moodle integrated search and retrieval of ASPECT resources
  - Moodle import and handling of Common Cartridge packages
  - Integration of packaged content in blogs, facebook and other contexts