



ASPECT Vocabulary Bank for Education & Application Profile Registry

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Disclaimer

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- Repository/Bank functions:
 - management
 - dissemination
- Content:
 - vocabularies
 - thesauri
 - controlled lists
 - Etc.
- Scope
 - content relevant to the Aspect project



- Allows different organisations (authorities) to **manage** only their own data but to **re-use** and/or **map** to any other data
- **Alerts** interested parties and systems about changes to data
- Manages the **lifecycle** and history of vocabularies
- Provides **multi-format, multi-lingual** versions of vocabularies



Vocabulary Tree View

- ⊕ LOM Semantic Density
- ⊕ LOM Status
- ⊕ LOM Technical Requirement Names
- ⊕ LOM Technical Requirement Types
- ⊕ LRE Credit-Based Access Currency Values
- ⊕ LRE Educational Learning Context
- ⊕ LRE ESA Lifecycle Contributor Role Values Mapping
- ⊕ LRE ILOX Description Facet Values
- ⊕ LRE ILOX Expression Description Facets
- ⊕ LRE ILOX Expression Dimension Names
- ⊕ LRE ILOX Item Description Facets
- ⊕ LRE ILOX Manifestation Description Facets
- ⊕ LRE ILOX Manifestation Name Parameter Landing Page Values
- ⊕ LRE ILOX Manifestation Name Parameter Package In Values
- ⊕ LRE ILOX Manifestation Names
- ⊕ LRE ILOX Manifestation Name Web Feed Parameter Values
- ⊕ LRE ILOX Work Description Facets
- ⊕ LRE Image MIME Types
- ⊕ LRE Intended End User Roles
- ⊖ LRE Learning Principles
 - TT activate prior knowledge
 - TT analogical reasoning
 - TT collaboration
 - TT expert guidance

Details

Name LRE Learning Principles

Term Information

Term Type PT

Identifier prior knowledge

⊖ Name activate prior knowledge

Activeren van *Dutch*
verworven kennis

activate prior *English (United Kingdom)*
knowledge

aikaisemman tiedon *Finnish*
aktivointi

connaissances *French*
requis

preconoscenza *Italian*

Authority LRE

This term has no relations.

This term does not occur in any other vocabularies currently in the system.



Machine Interfaces

- RESTful APIs
 - designed to allow remote systems and users to quickly and easily interact with the repository
 - search function accessed via a SOLR search API
- RSS alerts to most recent changes
- upload vocabularies directly via the user interface
- download vocabularies via the user interface or API



Using the API

- Two main scenarios:
 - Live in real time for each request
 - **Advantage:** Always retrieve the latest version and no management overhead on local system
 - **Disadvantage:** batch processing speeds, latencies and performance issues related to reliance on real time link
 - Create local copy and synchronise
 - **Advantage:** Always a local copy so no external dependency
 - **Disadvantage:** Need to manage the local copy and updates



- Access the vocabulary 'header'
- Access top terms/concepts
- Access individual terms
- **Reason** call for all broader terms

Note: All calls available for **any** historical revision



- Check the whole repository to see if any changes
- Check individual vocabularies
- Get differences
- Download whole revision (or differences) in particular format



- Registry functions:
 - describe profiles
 - Compare profiles
 - link to definitive source (e.g. data model, schema)
- Content:
 - core standards (e.g. LOM)
 - profiles of core standards
- Scope
 - profiles relevant to the Aspect project





User Interface

VBE &
APR

Home Mappings API Authorities Namespaces Elements Profiles

New Profile

Profile List

search

Name	Specification Type	Authority	Basedon
IEEE LOM	Core Standard	Learning Object Metadata	IEEE LOM
LRE Metadata Application Profile	Profile	Learning Resource Exchange	IEEE LOM
iCOPER LOM Profile	Profile	ICOPER	IEEE LOM
UK LOM Core	Profile	JISC	IEEE LOM



- user interface to allow profiles to be defined
- profiles inherit properties from parent (core standard or another profile) using '**based on**'
- registers details of **authorities** and **namespaces**
- provides **mappings** between profiles
- element **vocabulary** field links to **VBE**

