

Educational Folder Repository



1st ONLINE TEACHER TRAINING 11.11.2020

Kostis Alexandris, Software Engineer

National Technical University of Athens

What is a Repository:

A repository is a digital data platform that allows free and without limitations, access to educational, scientific, research and other material.

Παραδείγματα αποθετηρίων:

- Europeana (<https://www.europeana.eu/>)
- Merlot (<https://www.merlot.org/merlot/>)
- ...

Digital Items:

- OERs
- Patents
- Publications/Research material
- Multimedia content etc.

Fundamental attributes of OERs

- Autonomy
- Re-usability
- Utilization in classroom

Examples: Learning scenarios, interactive simulations, experiments, audiovisual content, educational games, exercises etc.

Metadata Enrichment

A digital item consists of

File resource (preview-able or not)

- Metadata

Enrichment process

- Metadata Scheme (Dublin Core - LOM -RDF -Marc)
- Application Profile
- Metadata field (Cardinality, Type, Multilingualism, Optional/Mandatory)
- Controlled Vocabulary
- Versioning

INCLUDE Application Profile

Field	Name	Cardinality	Field	Name	Cardinality
dc.title	Title	Mandatory	dc.ext.keywordsPerFile	Keywords in folder files	Optional
dc.author	Creators	Mandatory	dc.ext.school	School	Optional
dc.description	Description	Mandatory	dc.ext.module	Module	Optional
dc.keyword	Keywords	Optional	dc.ext.unit	Unit	Optional
dc.subject	Subject Areas	Optional	dc.ext.englishLevel	English Language Level	Optional
dc.date.issued	Date of Issue	Optional	dc.ext.requirements	Requirements	Optional
dc.type	Type	Optional	dc.ext.duration	Duration	Optional
dc.language	Language	Optional	dc.ext.keycompetence	Key competences	Optional
dc.publisher	Publisher	Optional	dc.ext.learningOutcome	Learning Outcomes	Optional
dc.rights	Copyright	Mandatory	dc.ext.transversalSkill	Transversal Skills	Optional
dc.license	License	Mandatory	dc.ext.europeanity	Europeanity	Optional
dc.ext.age	Student Age	Optional			

Controlled Vocabularies

Example: Transversal Skills

- Information literacy
- Creativity and Innovation
- Collaboration and Communication
- Autonomous learning

Other metadata fields that get values from CVQ

- Subject Areas
- Type
- Age
- School
- English Language Level
- Duration (in teaching hours)
- Key Competences

Interoperability

- OAI -PMH
- REST

Thank you!