Using digital libraries in the teacher education

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Share.TEC is for

Teacher educators
In-service teachers
Pre-service teachers
Educational publishers
Content providers

Share.TEC members can

Create their own profile

Access interactive Web 2.0:
Rating
Commenting
Bookmarking
Saving favourite resources

Express areas of interests

Use services adapted to personal needs and preferences

Share.TEC

the open door to teacher education practices, resources & people

Share.TEC resources

Rich Contextualized Easily reusable



On Share.TEC you can

GIVE

USE

Seek new perspectives & insights for enriching teaching practices Embrace innovation TAKE

Search for, browse & annotate teacher education resources

Find new market opportunities across Europe

Get fresh ideas that you can adapt and apply in practice

Access an effective showcase & gain a sense of current trends

Share pedagogical experience

Issues adressed

- Share.TEC vision
- Share.TEC features
- Share.TEC a project and a platform
- More information & contact

Digital Library (Repository)

- Library in which collections are stored in digital formats and accessible by computers
- The digital content may be stored locally, or accessed remotely via computer networks
- A digital library is a type of information retrieval system
- Data is indexed using metadata
- Based on OAI/PMH protocols for sharing

Main functions

- offer the outputs to the world
- maximise the visibility and enhance impact
- showcase and sell results / products
- to collect and curate digital collections
- to manage research and teaching activities
- workspace for collaborative projects
- development and sharing of digital teaching materials and aids
- access to student achievements

Some issues

- How to collect content
- How to look after the content
- How to add value to the content
- How to share information with other digital libraries
- How to offer services to end users
- How to ensure legally sound operations
- How to ensure interoperability
- How to make it sustainable

Metadata

- Data about data
- Describe various characteristics of the digital objects stored in the library
- Used for cataloguing purposes
- Many standards available (metadata schemes)
- There is no official only one standard set
- Dublin Core (DC) is de-facto standard

Open Access Initiative (OAI)

- Main goal: open access as the worldwide electronic distribution of peer-reviewed literature and completely free and unrestricted access to it by all scientists, scholars, teachers, students and other curious minds
- First declared in Budapest, best known as Berlin Declaration (http://www.openarchives.org/)
- Includes (a) authors grant free access to users; (b) full version available in at least one digital library

Teachers expectations and requirements analysis

- Detailed surveys performed in 7 countries
- Three international workshops
- Internet surveys
- Scenarios and use cases developed

Share.TEC vision

- unlocking teacher education resources & expertise
- building a teacher education hub
- connecting teacher education networks
- bridging cultural differences
- combining market and open potential

The Share.TEC vision for teacher education

- To offer services for locating and sharing teacher education specific digital content
- To strengthen the European dimension in sharing teacher education digital resources
- To encourage the exchange and reuse of quality contents for teacher education at a European level

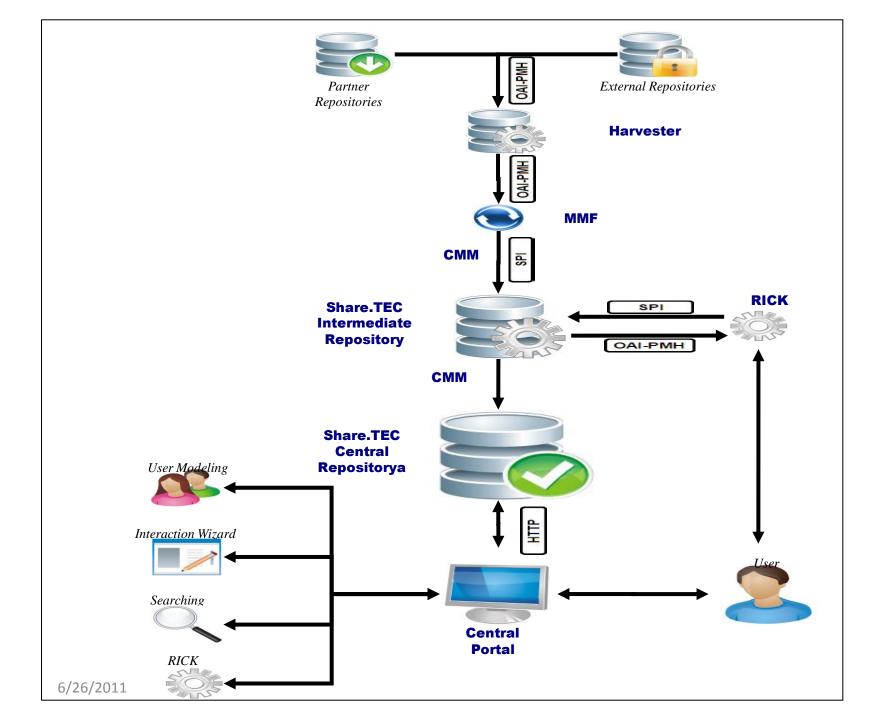


The Share.TEC solution

Share.TEC – the project

- EU project within the eContentplus programme during 2008-2011 which has produced a new product for teacher education
- The project consortium:

Istituto per le Tecnologie Didattiche, CNR (IT) (Coordinator)	universities, research inst.,
Trinity College Dublin (IE)	schools of
Università Ca' Foscari, Venezia (IT)	education
Stockholm University (SE)	
Open University of the Netherlands (NL)	
Universidad de Valladolid (ES)	educational
Sofia University (BG)	technology
	developers
CLUEB Editore (IT)	educational
	publisher



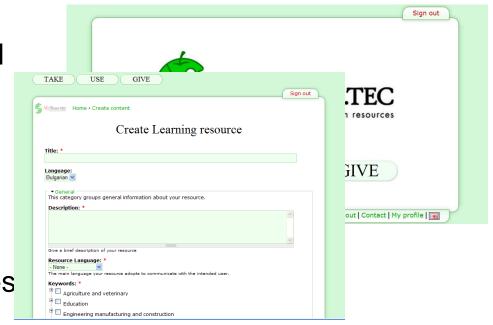
Share.TEC – the platform

- A platform granting unified access to digital resources across Europe that specifically target the domain of Teacher Education
- Share.TEC will help practitioners across Europe search for, learn about and exchange resources of various kinds, and will support the sharing of experiences.



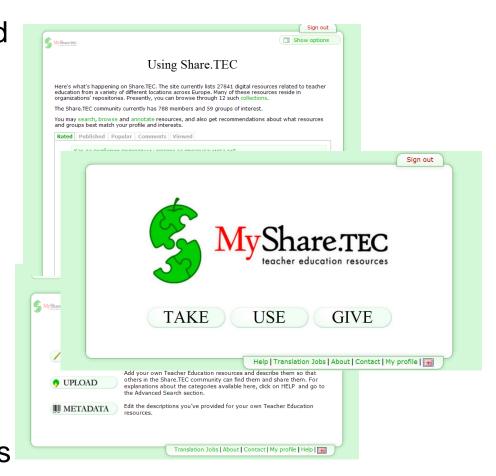
Share.TEC – the platform

- May 2011: 27 376 objects and 786 registred members
- Create your own profile and enjoy customized solutions for the full Share.TEC experience
- A core of tested teacher education content
- Several different repositories are connected to Share.TEC, broadening reusability perspectives across Europe.



Share.TEC – the platform

- Sophisticated system achieved via a model that helps overcome language barriers and captures pedagogical descriptions
- A gateway to specific teacher education resources
- User focused services
- A boost for the teacher education content market in Europe
- Share your material with others and create new discussion
 groups



... finding your way through the platform



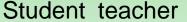
Why is Share.TEC beneficial to teacher education?

Teacher education

- requires change from traditional culture to shared academic practice
- has limited resources
- needs a unique common teacher education ontology
- needs renewable learning and teaching material

Teacher educator







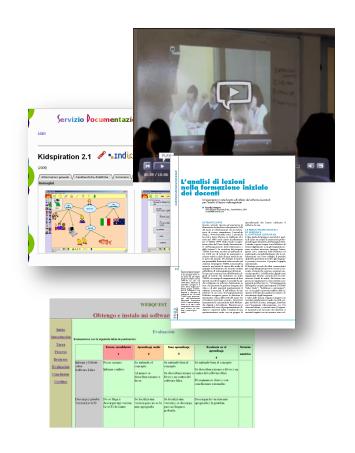
Practising teacher



All three need digital resources that are...

- easy to find and applicable to teacher education
- trustworthy and "road tested"
- (potentially) reusable
- (potentially) multimedia and innovative

Share.TEC resources



- addressing actors in the teacher education world (not K-12 students directly)
- encompassing lessons plans, teaching modules, best practices, reference material, etc.
- coming from sources across Europe
- combining "open" and commercial approaches

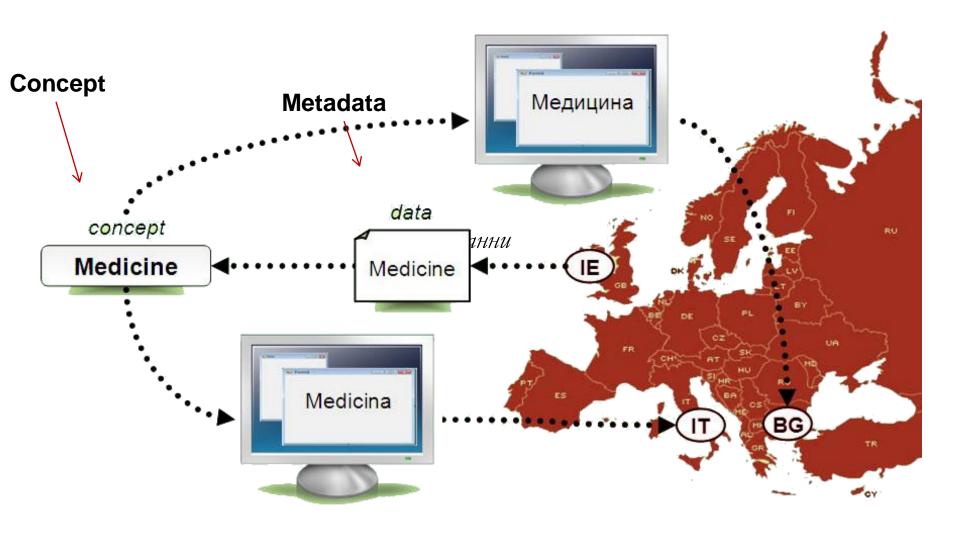
Special features the semantic layer of the Share.TEC system TEO (Teacher education ontology) is

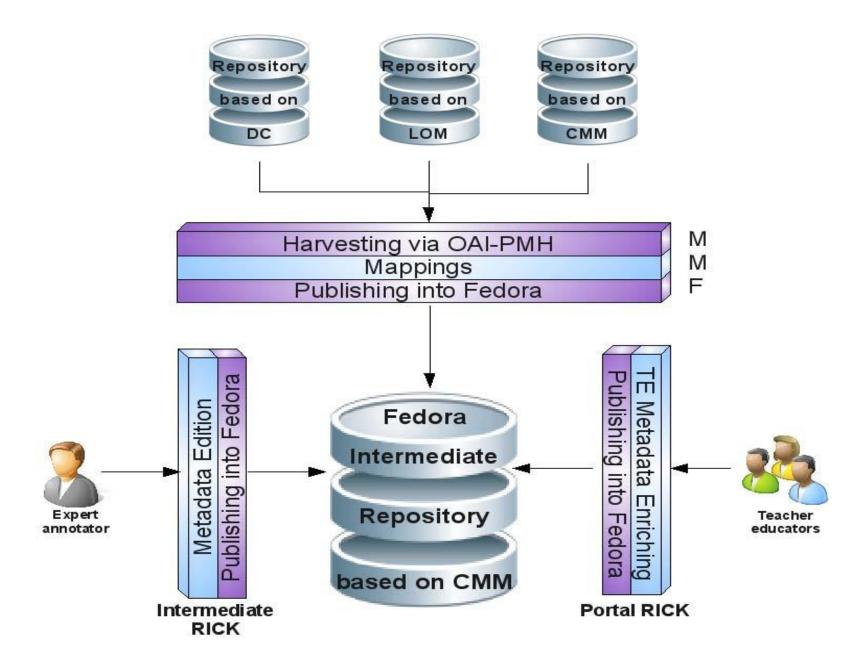
- a representation of teacher education-related concepts,
- a framework for mapping culturally and linguistically diverse versions of that representation.

CMM (Common metadata model) is a prerequisite in the process of harvesting metadata from repositories inside and outside the consortium.

MMM (Multicultural metadata model) is a set of language/context specific derivations.

Special features - multilanguage layer





Networking

















БЛАГОДАРЯ ЗА ВНИМАНИЕТО!

THANK YOU FOR YOUR ATTENTION!