E-Learning in a new Europe
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Content Brokerage from a European Perspective –
Standards and State-of-the-art Implementations

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What Teachers do

Ministries and other organisations provide infrastructure (e.g. classrooms, content)

Source: http://www.uni-bayreuth.de/presse/lehrer-bild.jpg
Now on the Internet

Major Issue: Content
Solving the Content Problem with Federated Search in several Content Pools

Tool:
- Web Browser
- Personalized Search Client
- Educational Semantic Network

Tommorrow’s Teachers

School Book Content
- Learn4Schools
- Online Bookstory
- Media Library
- Regional Schoolnetwork
Technical Challenge to Solve

Query Language, Schema

Transport

Query?

Source

Target

Results

Results Format
How could it work?
Abstract Interoperability Model

An Infrastructure for Content Sharing in Schools

Abstract Interoperability Model

Sources:
• Schema: http://elearning.bildung.at/statisch/bmbwk/de/elearning/elearning.ihtml
• Data Model & Format: http://bildungspool.bildung.at/ubp/provision@uploadXmlRdfHelp
• Simple Query Interface Application: http://www.prolearn-project.org/
First Implementations
What teachers also do:

- Teaching
- Socialising, Exchanging
- Ministries and other governmental organisations provide Infrastructure
Today on the Internet

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