Standardisation Panel
Barriers to the widespread take-up of standardised e-learning

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Members of the Panel

- Prof. Erik Duval, KUL, Belgium
- Dr. Dexter Fletcher, ADL, USA
- Prof. Oleg Liber, CETIS, Bolton, UK
- Dr. Colin Tattersall, OUNL, The Netherlands
Objective

- Identify the barriers, but more important:
- **Discuss possible solutions (and actions)**
Format

- 10 min. Introduction
- 50 min. Discussion (audience and panel)
Introduction

- Objectives of using open standards (open specifications)
- The landscape of open standards
- Some Barriers (to start the discussion)

sheets at:  http://hdl.handle.net/1820/282
(in http://dspace.ou.nl )
Objectives of Open Standards

1. Support the *exchange* of eLearning Resources independent of the delivery system (includes: system interoperability, sharing, selling, ...)

2. Define the **minimum set of requirements** for any delivery system and any resource for exchange.
The landscape of open specs

- LOM, LIP, QTI, LD, etc. sometime confusing number of different specs.
- How do they relate?
Digital Repository

Interoperable 'Course' Package
Interoperable 'Course' Package

Content Aggregates
- LO Metadata
- Learning Object

Services
- Tests
- Forum, Chat
- Search, etc.

Learning Objectives

Digital Repository
Interoperable 'Course' Package

- Content Aggregates
  - LO Metadata
  - Learning Object
- Services
  - Tests
  - Forum, Chat
  - Search, etc.
- Learning Design
  - Multi-role Activities
  - Multi-role Workflow
  - Adaptation

Digital Repository

Learning Objectives

uses
Barriers

1. In general lack of knowledge about open specs adapted to the stakeholders interests
2. Lack of user-friendly tools
3. Lack of good, reusable, adaptable examples of use
4. Lack of adequate support for proper development of tools and experimentation
5. Companies lack adequate business models using open specs
6. From all the requirements eLearning users have, the support for open specs is only a minor issue (they think)
Points raised during the discussion

- inhibit innovation
- conformance, organisational questions
- adoption success factors
- barriers are only symptoms of success (transformation, different community)
- content creation needs tools and services that are interoperable
- CoPs have problems with sharing and coding their knowledge
- Some standards are not educational (we can bring stakeholders together)
- No adequate pedagogical framework to deliver as requirements for industry
• Focus too much on content transmission
  Related to the question “what is knowledge”
  => derives from discourse
  Need a proper analysis of collaboration
• Standards cause their own bureaucracy
• Need a sense of direction for the transition
  => we need models of education
• Implementation of standards in practice (building courses) is hard
• Reduction of complexity (SGML => HTML)
• HTML was a success because it was absolutely compelling: e-learning?