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Adopting Standards and Specifications for Educational Content

Educational Resources Packaging Standards SCORM and IMS Common Cartridge -Users point of view

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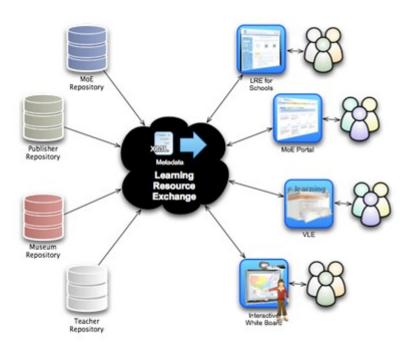
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PECT Tests: why / how / who

Tests with teachers (in real contexts) to check implementation of standards and specifications on LRE content leads to greater interoperability and crossborder re-use of the content.

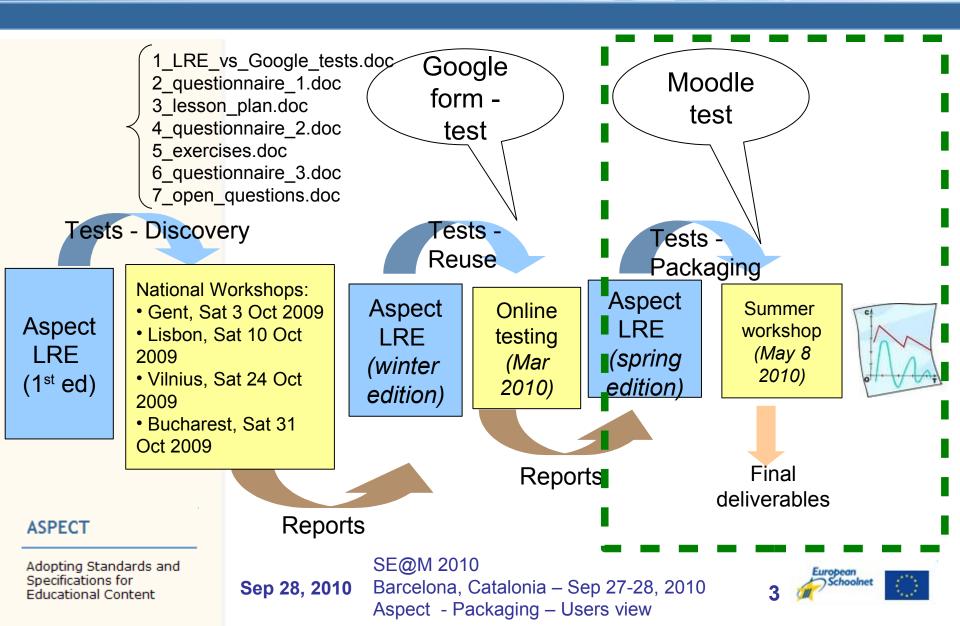




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PECT Tests: why / how / who



Tests: why / how / who

The Learning Resource Exchange Repository (LRE):

- http://lreforchools.eun.org
- open educational resources and assets from many different countries and providers, including 16 Ministries of Education
- Many ~ 140 000 resources + assets pen to all.

Aspect version of the LRE

- 1. closed portal
- 2. contains content from 30 providers and contains > 200 k resources and assets
- 3. it has been adapted to support the LREv4.0 application profile
- 4. authomatically translated metadata available in 6 languages
- 5. integrated SCORM player and Common Cartridge platform

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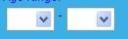
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Age range:



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GO

Search results

You searched for "design (en) " the system found 547 result(s). Sort results by Popularity/ Rating

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View -as web -in player --Common Cartridge --SCORM

Design [en]

Download -SCORM /zip Refine your search Resource type Language Age range Provider

> Rate Add to favourites Report

-Common Cartridge / zip

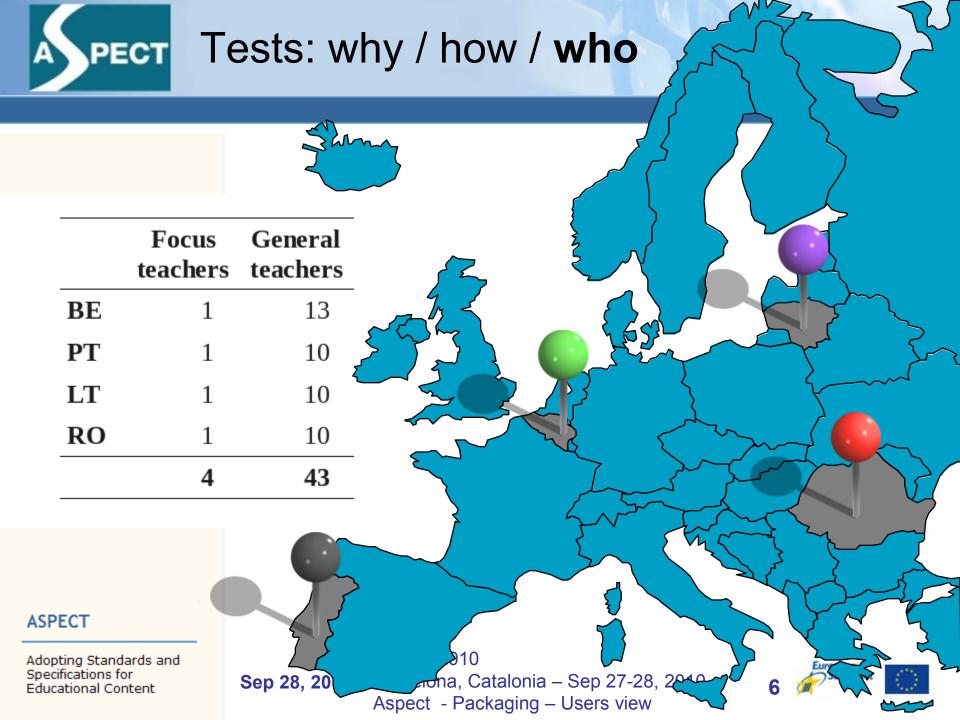
Tags: openlearn design Keywords: Technology, Design, Innovation Age: >18 Resource type: text

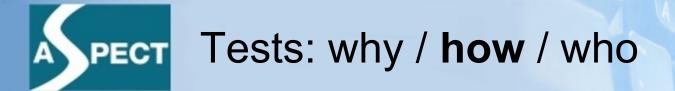
Description: This unit looks at the process of design - from assessin

Creative Commons Licence: (*)(\$) View this in: [de] [el] [en] [es] [fr] [it] [pt]

15.347 Doctoral Seminar in Research Methods I, Fall 2004... [en] Keywords: Sloan School of Management, Educational Assessment Eval (...)

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Discovery:

- Resource in LRE and Google found? time?
- Search: Use of tagging, keywords, favourites

Reuse:

- Trust: tagging, favourites, colleagues
- National resources found?

Packaging:

- I Use of "Non packaged", SCORM and
- Common Cartridge content (Moodle)

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Test 3: Content packaging

- Task 1: lesson plan in Moodle x 4:
 - 1) Using non-packaged content
 - 2) Using the entire SCORM
 - 3) Using an entire IMS Common Cartridge package
 - 4) Picking up parts from the IMS Common Cartridge

package

 Task 2: digital rights management – non-free resources.



Task 3: SCORM and IMS CC packages - benefits

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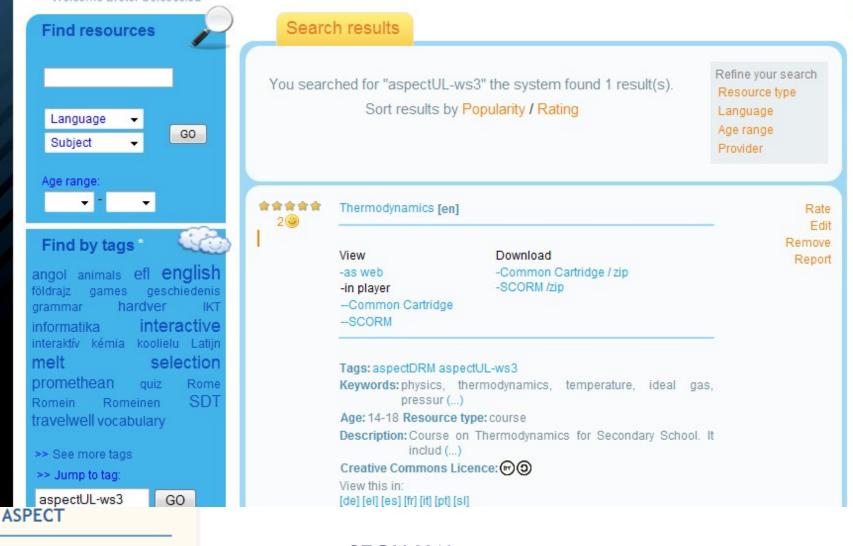
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Educational Content

Initial results from Summer School Packaging

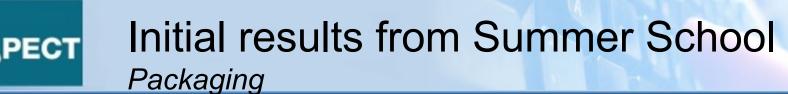
Barcelona, Catalonia – Sep 27-28, 2010

Aspect - Packaging – Users view

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		2	SCORM content (Task 1)	ł	
ASPECT Adopting Standards	and		Fermodinamica Scorm		

Sep 28, 2010







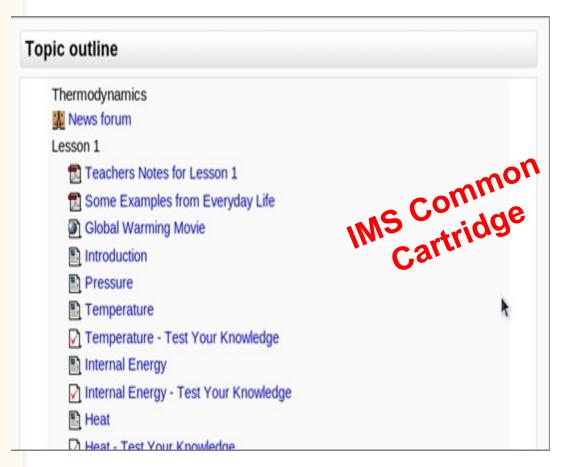
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Initial results from Summer School Packaging



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Initial results from Summer School Packaging

Contents Outline View	Thermodynamics Heat - Test Your Knowledge [Page 11 of 29]							
	Close B First C Back Next D Las	t 🖲 🧠 Add Comme	nt 🛛 🎲 Embed					
nodynamics esson 1 Teachers Notes for Lesson 1 Some Examples from Everyday Life Global Warming Movie Introduction Pressure Temperature Temperature - Test Your Knowledge Internal Energy Internal Energy - Test Your Knowledge Heat Heat Heat - Test Your Knowledge Additional Reading esson 2 esson 3	 Close First Back Next Last HEAT - QUESTION 1 Consider two systems A and B marespectively. System A possess a System B has zero internal energy We put systems A and B in therm in both systems? The final energy of system A is The sum of the final energies of A. 	t (e) Add Commer Commercial API Key: Thumbnail: URL: Embed:	nt 🎲 Embed					
esson 3	C The energy lost by A is less the Reset Submit		Reset Close					

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Initial results from Summer School Packaging

aspect ► JM-2 ► Resources ► test

ENTROPY - QUESTION 1

system.

The entropy of a system:

O Depends only on the number of particles of the

O Is directly related with the number of ways of distributing the particles according to the

It is independent of the energy of the system.

Submit

< Back

specifications on the system.

Results Preview Edit Preview Entropy - Test Your Knowledge Start again 14 Marks: -/1 Þ. The entropy of a system: a. Depends only on the number of particles Choose one of the system. answer. O b. Is directly related with the number of ways of distributing the particles according to the specifications on the system. O c. It is independent of the energy of the system. Integrated into VLE Submit 2 % Marks: ASF -/1

Info

Adopting Standards and Specifications for Educational Content

SE@M 2010 Barcelona, Catalonia – Sep 27-28, 2010 Sep 28, 2010 Aspect - Packaging – Users view



Next >

Embedded in VLE

Update this Resource

Evaluation methodology

- Data gathered with mix-method approach, so results would complement each other.
 - Online Surveys after each task
 - Interviews with teachers
 - Observation

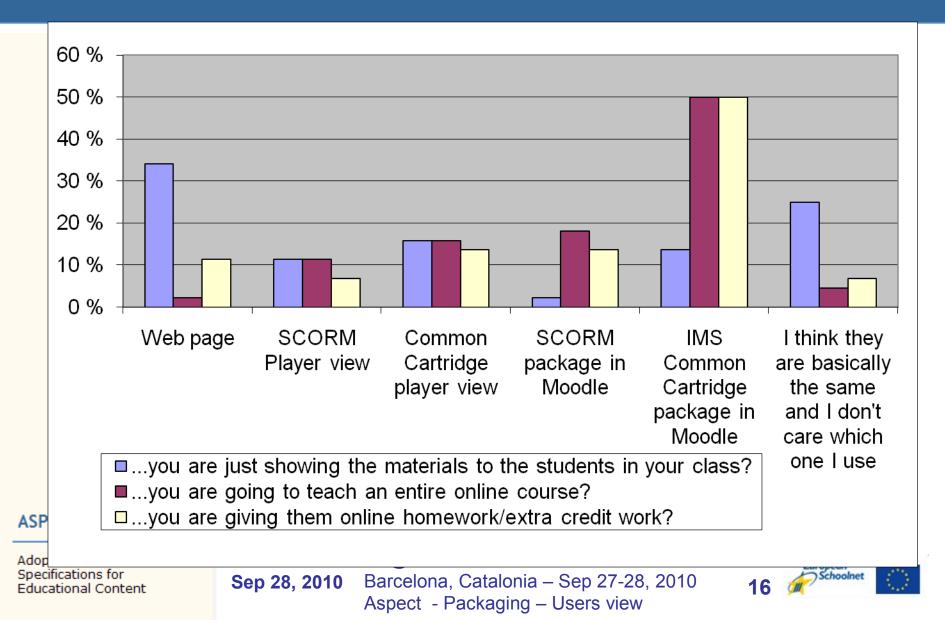
Caveat: sample of teachers small (n=44) and slightly above average ICT users, ==> results ~ initial testing.

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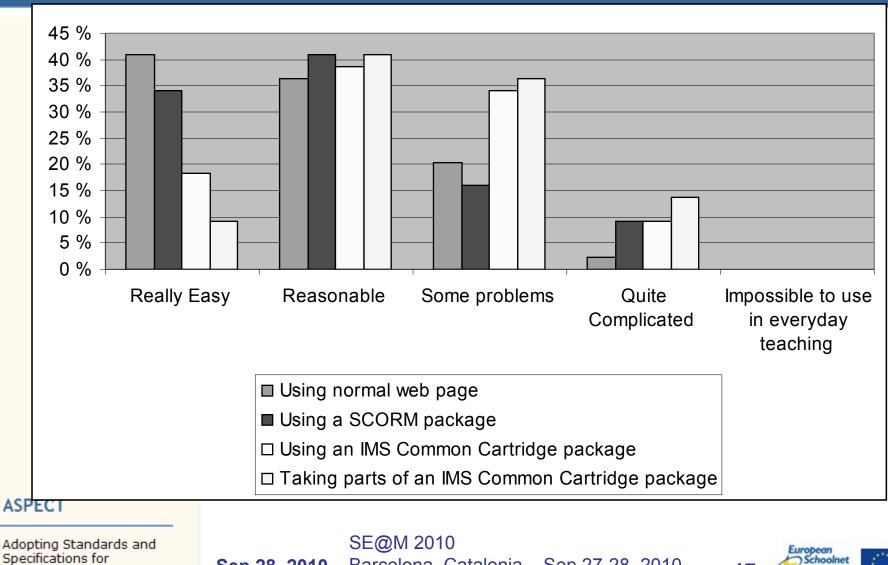
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Interface preference



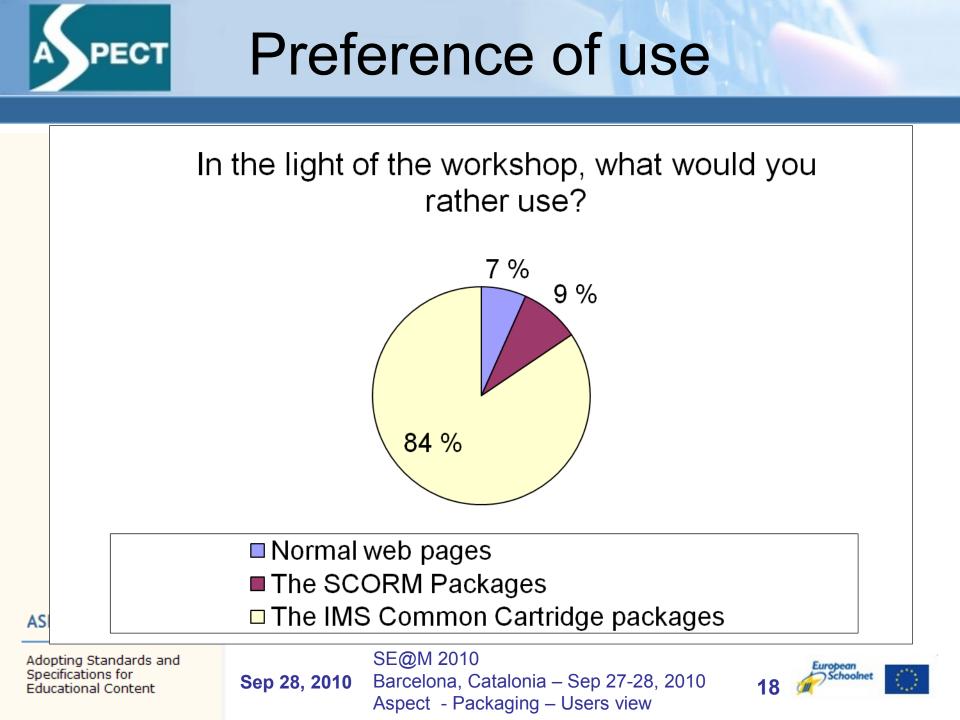
How easy of hard was it to create a lesson plan? PECT Using...



Sep 28, 2010 Educational Content

Barcelona, Catalonia – Sep 27-28, 2010 Aspect - Packaging – Users view







Initial results

- Teachers were generally very excited about the possibilities of IMS Common Cartridge
- This was due to 2 issues:
 - Re-Use of materials in their on LMSs have become easier (In moodle, you can edit as you like, add, remove or alter)
 - Icodeon CC platform's functionality of being able to embed parts of the package into blogs, social media, web pages...

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Would you use it?

 Almost 100% of the teachers said that if high quality educational resources would be available in Common Cartridge format, they would use them

BUT - these are above average teachers and they still need training.



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http://www.aspect-project.org/node/88







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More coming soon, until then,...

More info..

Dr. Àgueda Gras-Velázquez (agueda.gras@eun.org) or Kati Clements (kati.i.clements@jyu.fi)

Gràcies! - Thanks!

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