


Creating Environments for **Learning**  
Through **Instigating** a Community  
of **Developers**

A JISC-funded project

## ceLTic II: sharing and developers

*Simon Booth (University of Stirling)*  
*Stephen Vickers (IMS)*

Moodlemoot Dublin  
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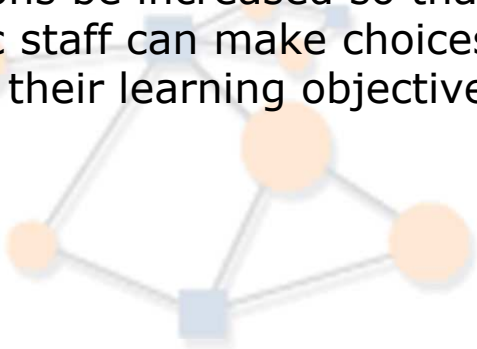


Creating Environments for **Learning**  
and **Teaching** with **Infrastructure**  
Constructed for **Sharing**


A JISC-funded project

### Goal of ceLTic:sharing project

- How can the choice of learning applications be increased so that academic staff can make choices which better fit their learning objectives?



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### Costs of deploying learning applications

- Software licence
- Hardware (or hosting)
- Technical support
  - installation
  - provisioning (users, courses, enrolments)
  - maintenance
- Academic support (staff and students)
  - documentation
  - training
  - service desk

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### Issues arising

- Too many choices of learning applications – cannot support them all with limited resources
- Value added increases with:
  - more users wanting to use it
  - ease of integration with existing systems (e.g. VLE/SIS)
  - level of generality (increased likelihood of wider adoption over time)
  - consistency with existing infrastructure and local expertise

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### Problem to be addressed

- How can we make it as cheap and easy as possible for academic staff to use learning applications of their own choosing to meet their own specific learning objectives?
- More specifically, can the IMS Learning Tools Interoperability (LTI) specification help to resolve this problem?

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### What is LTI?

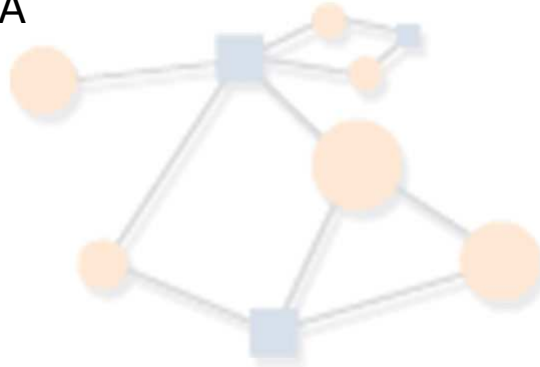
- Standard way to securely and seamlessly integrate a learning application with a VLE
- Launch process passes details about:
  - the user
  - their current context
  - their role in the current context
- Supported by all major VLEs

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### Demonstration

- Creating and launching a link for WebPA



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### Benefits of using LTI

- Software licence – **cost (if any) may be shared across all institutions**
- Hardware (or hosting) – **shared**
- Technical support
  - installation – **shared**
  - provisioning – **automated**
  - maintenance – **shared**
- Academic support (staff and students)
  - documentation – **some shared**
  - training – **some shared**
  - service desk – **can be self-supported**

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### ceLTic:developers

- Series of workshops (Birmingham, Nashville, Glasgow, Durham)
- Next this Thursday: Dublin
- PHP/Java/C# classes for LTI
- Email list: JISCmail: LTI-Developers
- Best practice guide
- Advice

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### Questions?

- ceLTic II (JISC Funded):
  - Stirling, Loughborough, ULCC, Stephen Vickers
  - 8 institutions using WebPA service
  - project site - <http://www.celtic-project.org>
- References:
  - LTI Briefing Paper – <http://publications.cetis.ac.uk/wp-content/uploads/2012/05/LTI-Briefing-Paper.pdf>
  - IMS – <http://developers.imsglobal.org>
- Contacts:
  - [s.p.booth@stir.ac.uk](mailto:s.p.booth@stir.ac.uk),  
[svickers@imsglobal.org](mailto:svickers@imsglobal.org)

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