

In Your Own Time -online learning

*The Le@rning Federation – Schools Online
Curriculum Content Initiative*



schools online curriculum content initiative



Online Learning

- learning via the use of resources, tools and applications on the Internet
- applying offline best practice teaching and learning to the online environment
- involves the use of tools for flexible use and assembly of online content, research, live chat, discussion boards, whiteboards for note taking, diaries, personal storage space etc..

The Vision

- accessible and affordable rich interactive content for all students
- enhanced communication
- ongoing recording, monitoring and supporting individual student learning
- learning any place, any time
- ‘personalised education’
- increased student motivation



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Requirements for Online Learning

- infrastructure, including bandwidth
- professional development of teachers
- high quality online content

The Le@rning Federation Initiative

- Funded by the Federal Government's *Backing Australia's Ability: Innovation Action Plan* and matched by States and Territories - \$68.4M over 5 years
- Managed by Curriculum Corporation and education.au limited for education Ministers
- Developing:
 - a body of online curriculum content
 - infrastructure to support distributed access of the content and digital rights management
 - an Australian education market place



Support for Developers

- dedicated project website
<http://thelearningfederation.edu.au>
- suppliers database - 1075 suppliers
- development work tendered out

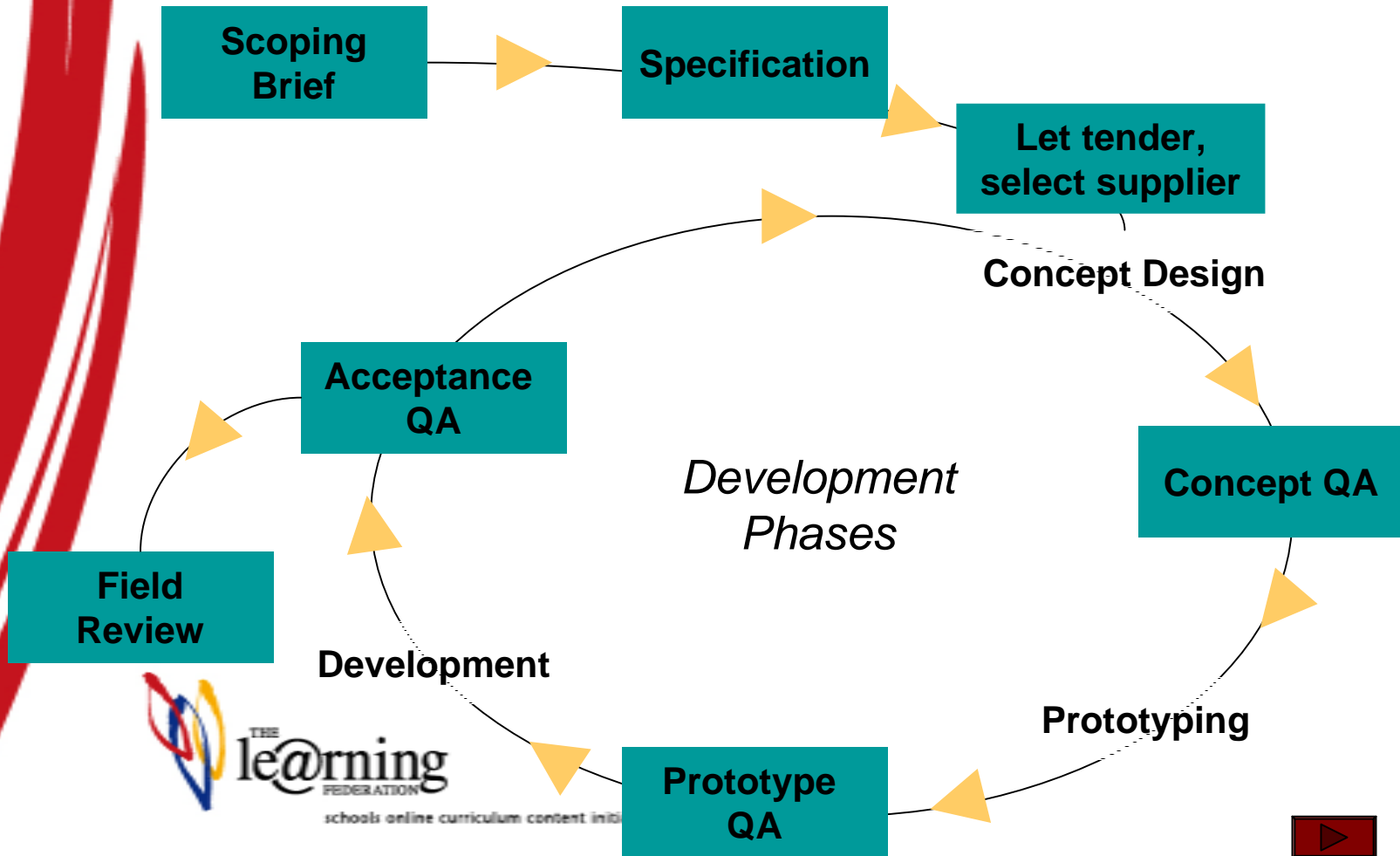
Priority Areas for Content Development

- Science
- Maths/Numeracy
- Chinese, Indonesian, Japanese
- Australian Studies
- Innovation, Creativity & Enterprise
- Literacy for Students at Risk

Learning Objects

- not courseware - content 'kernels', consisting of one or more files designed to stand alone, or to contribute to a learning sequences created by the developer or constructed by the end user to suit specific learning and teaching requirements.

Content Development



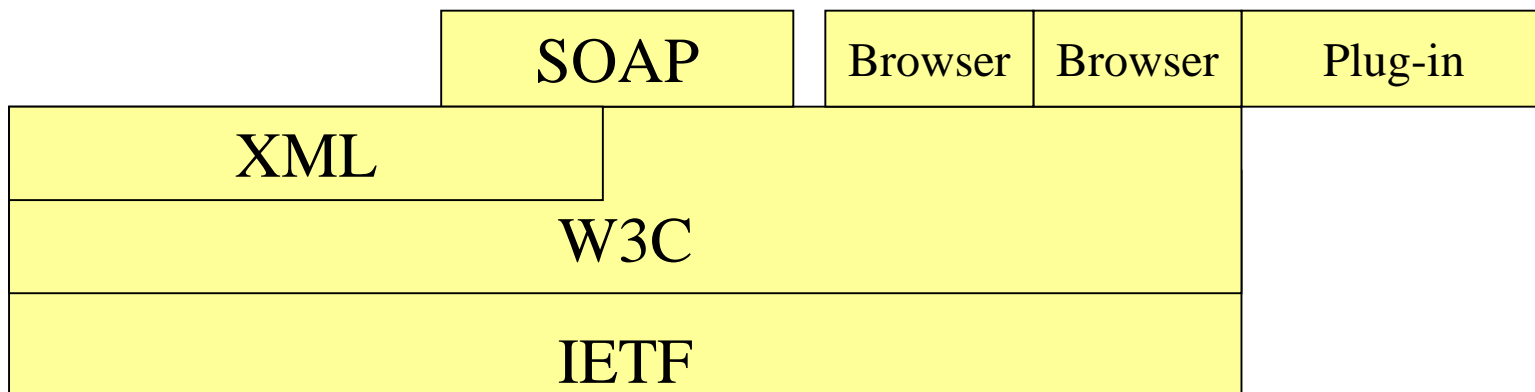
Standards and Specifications

- *Accessibility*
- *Educational Soundness*
- *Digital Rights Management*
- *Content development*
- *Metadata*

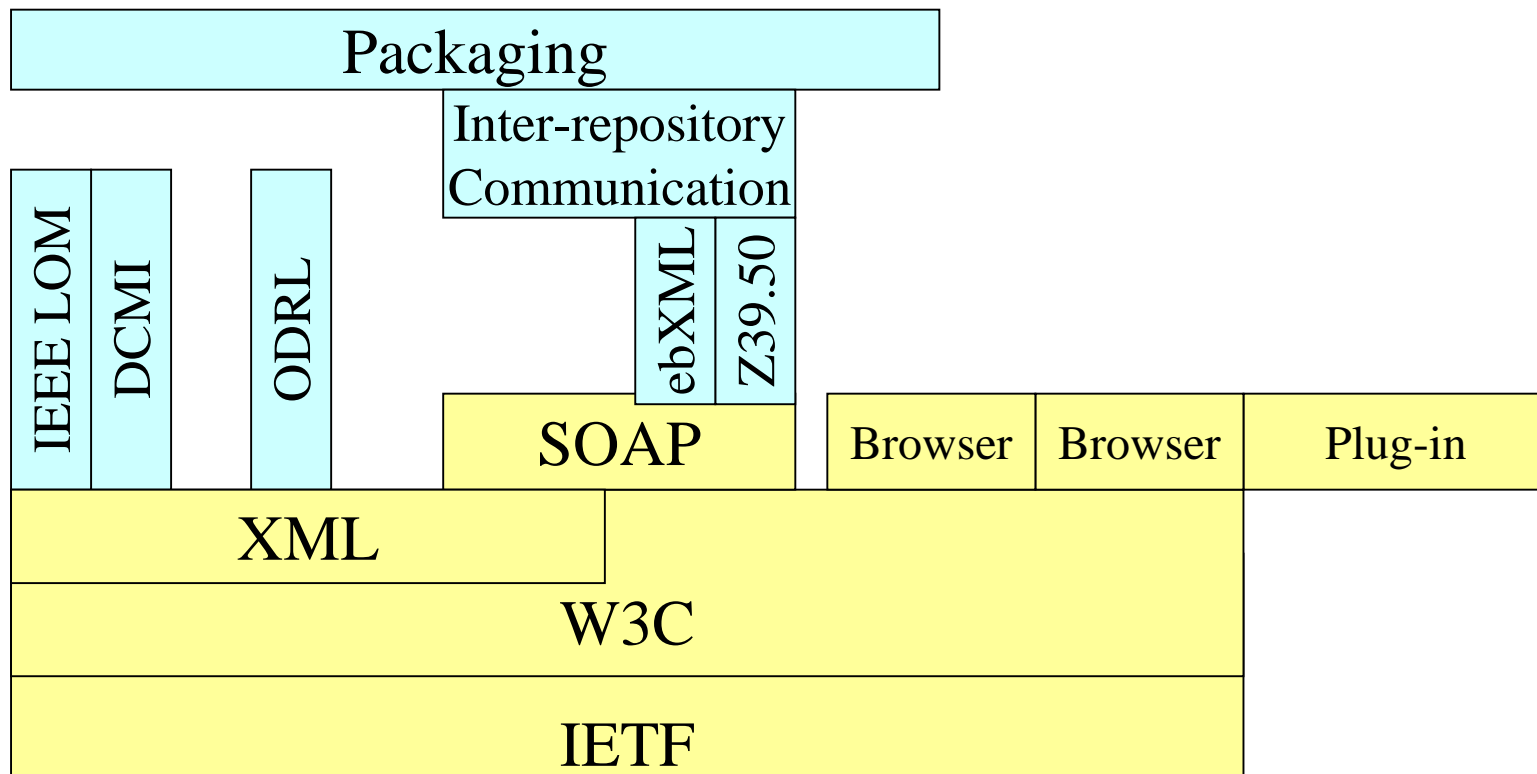
- Adoption of stable, industry-supported standards and specifications that conform to open architecture principles

- Reflection of requirements of Australian education practice

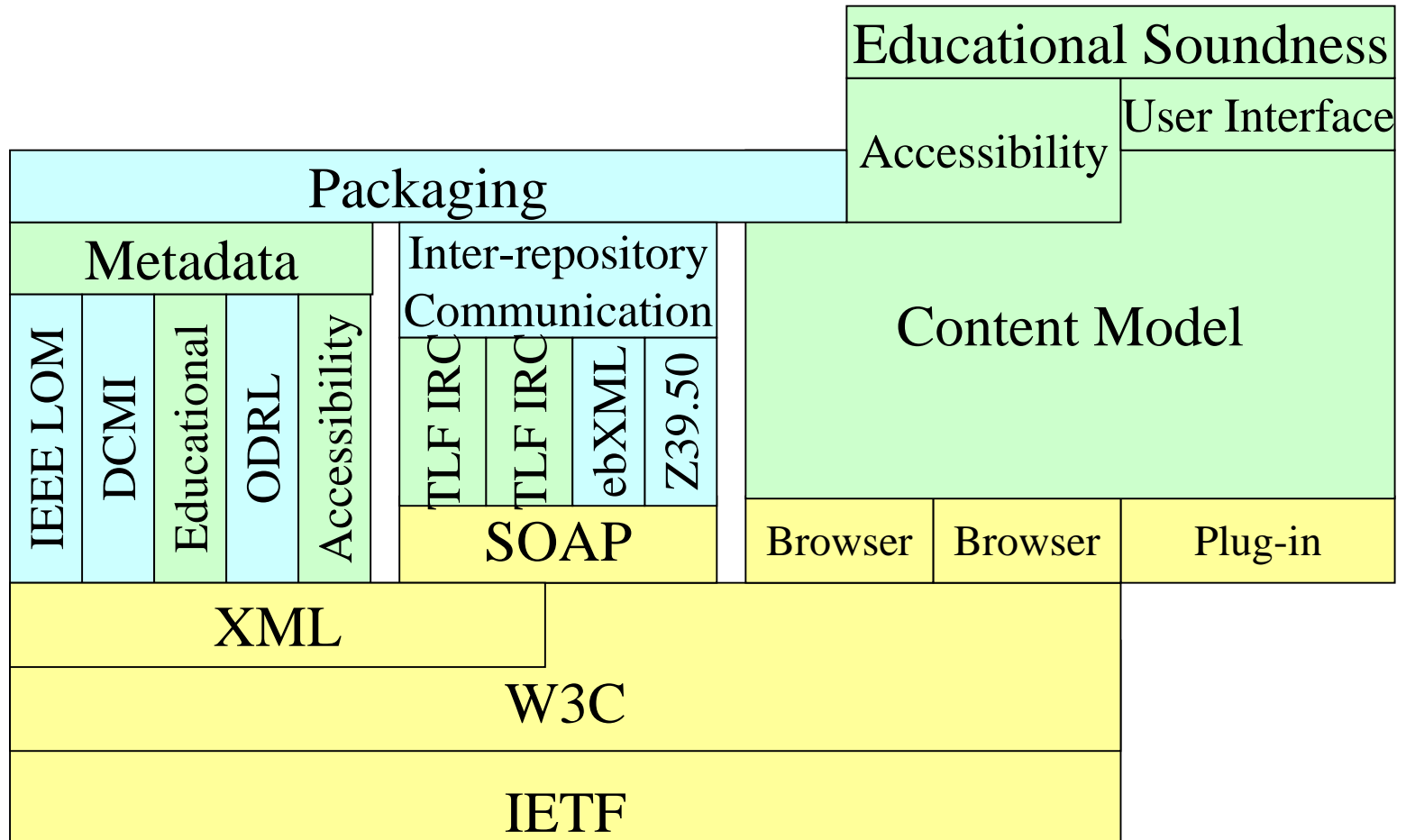
Interoperability Architecture



Interoperability Architecture



TLF Interoperability Architecture



Driving Change

- user focused, not technology focused
- R & D project
- raising 'downstream' issues:
 - bandwidth and connectivity
 - understandings of 'e-learning'
 - interoperability of applications and hardware
 - metadata
 - technical standards and specifications

Alliances

- accessing digital content for development purposes within the Initiative
- working with other agencies to develop learning objects
- working with creative developers to expand the concept of online content and online learning
- collaborating with other agencies in development of common search protocols, search language and search and retrieval metadata to provide greater access to online content
- sharing experiences in developing multimedia that motivates and excites as well as assists learning



Other ideas???

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