

What are the most effective Collaboration Models for CUDI and ILCE's SIMED Project?

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Objetivo SIMED

Elevar la **calidad de la educación y la capacitación** en México y en otros países latinoamericanos, mediante la creación de un ambiente virtual de aprendizaje.

Preguntas clave de e-Learning

- ¿Es importante poder compartir contenidos?
- ¿Los contenidos deben estar disponibles para diversas tecnologías de aprendizaje?
- ¿Los modelos deben propiciar el autoaprendizaje?

SIMED basado en SCORM

- El SIMED está basado en el estándar SCORM (Modelo de referencias de objetos de contenido compartidos). Nace de la fusión de dos estándares, uno de ellos IMS que está relacionado con la educación universitaria y el otro es AICC que está enfocado a la capacitación en empresas. Este nuevo estándar simplifica la creación y mantenimiento de contenido en SCO's (Objetos de contenido compartidos).

SIMED basado en SCORM

Beneficios

- **Es reutilizable:** El contenido puede ser liberado y utilizado cuantas veces sea necesario.
- **Es accesible:** Esencialmente porque tiene un acceso distribuido a diversos LMS o portales.
- **Es interoperable:** Porque es independiente de la plataforma que se utilice.
- **Es durable:** A pesar de los cambios de la tecnología sin necesidad de rediseñar, reconfigurar o recodificar
- **Es compartido:** Porque permite que los objetos de aprendizaje puedan compartirse a pesar de las barreras tecnológicas.

Líneas Principales



Educación



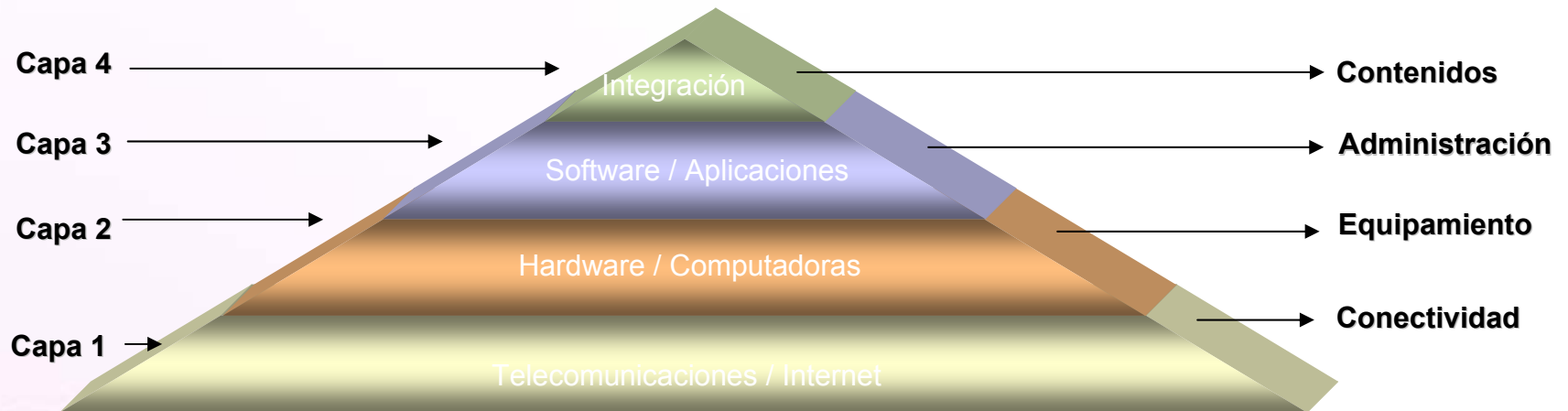
e - México



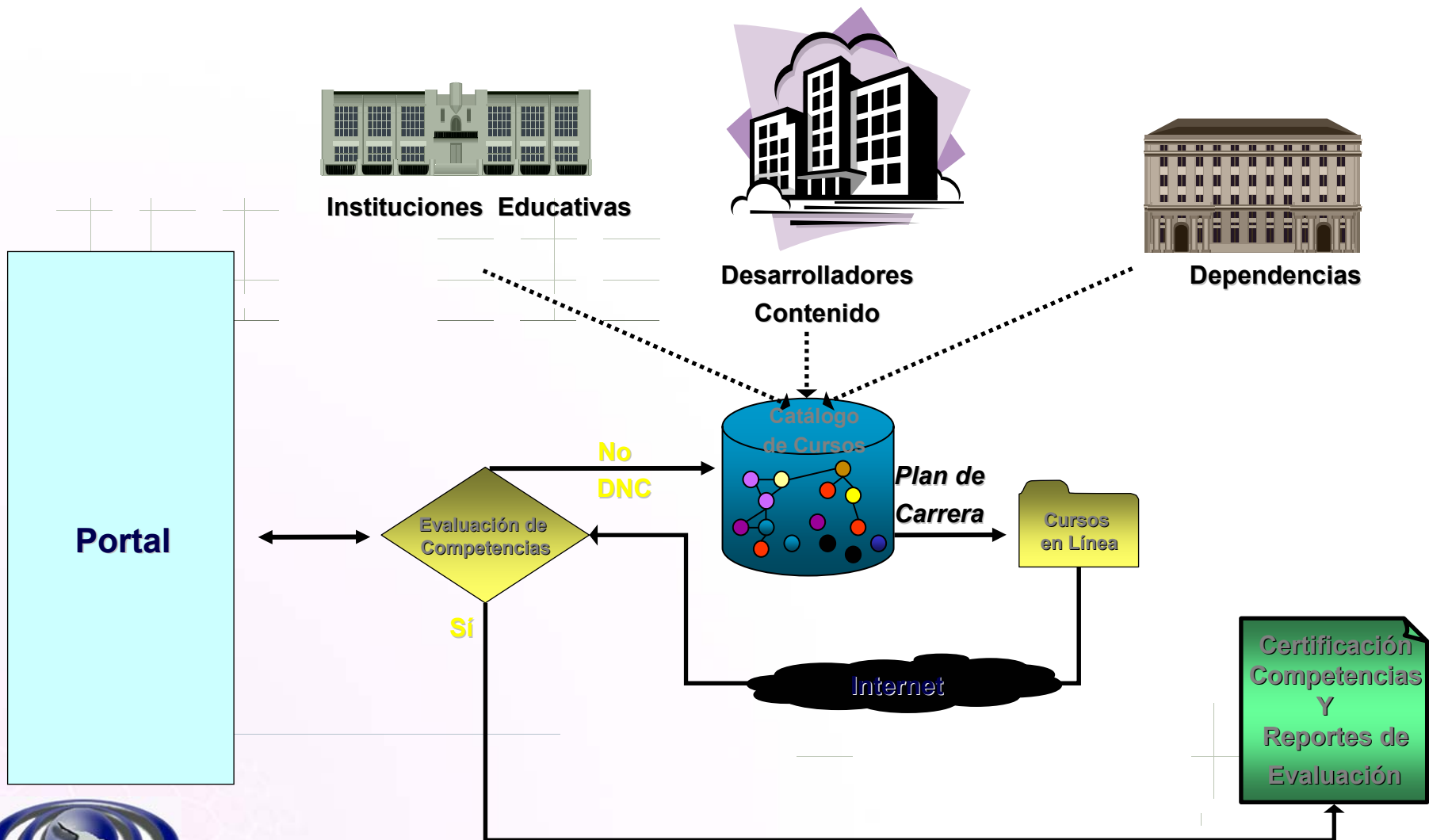
Funcionarios Públicos



Otros

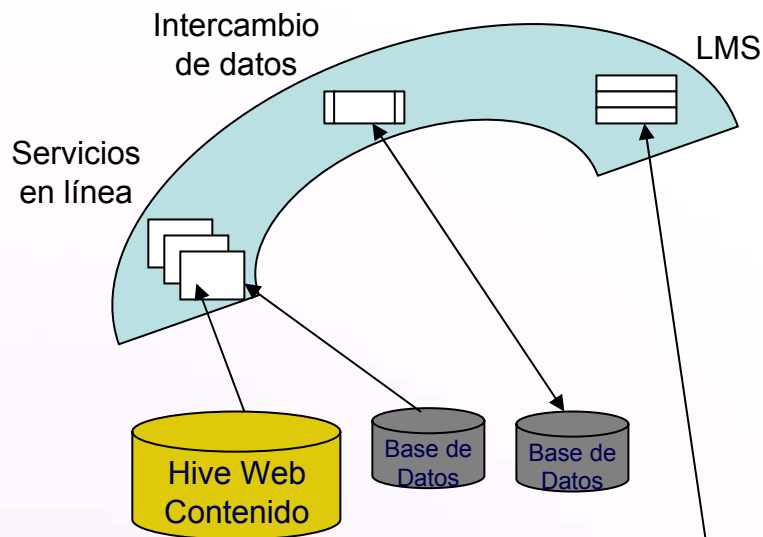


Estructura SIMED

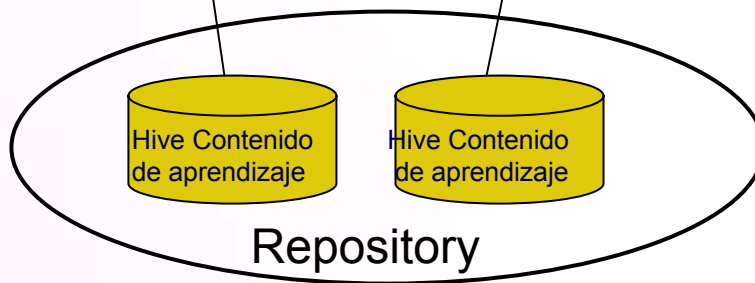
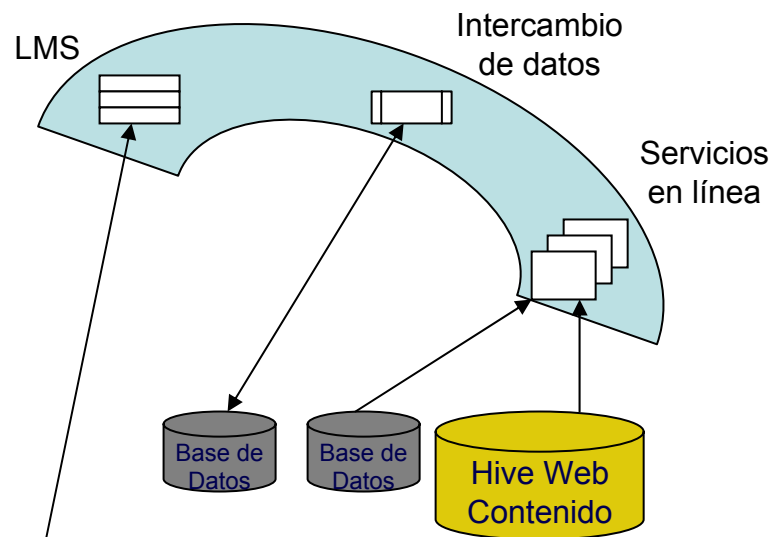


Requerimientos Organizacionales

Línea Educativa



Línea de e-México



Some Issues with eLearning

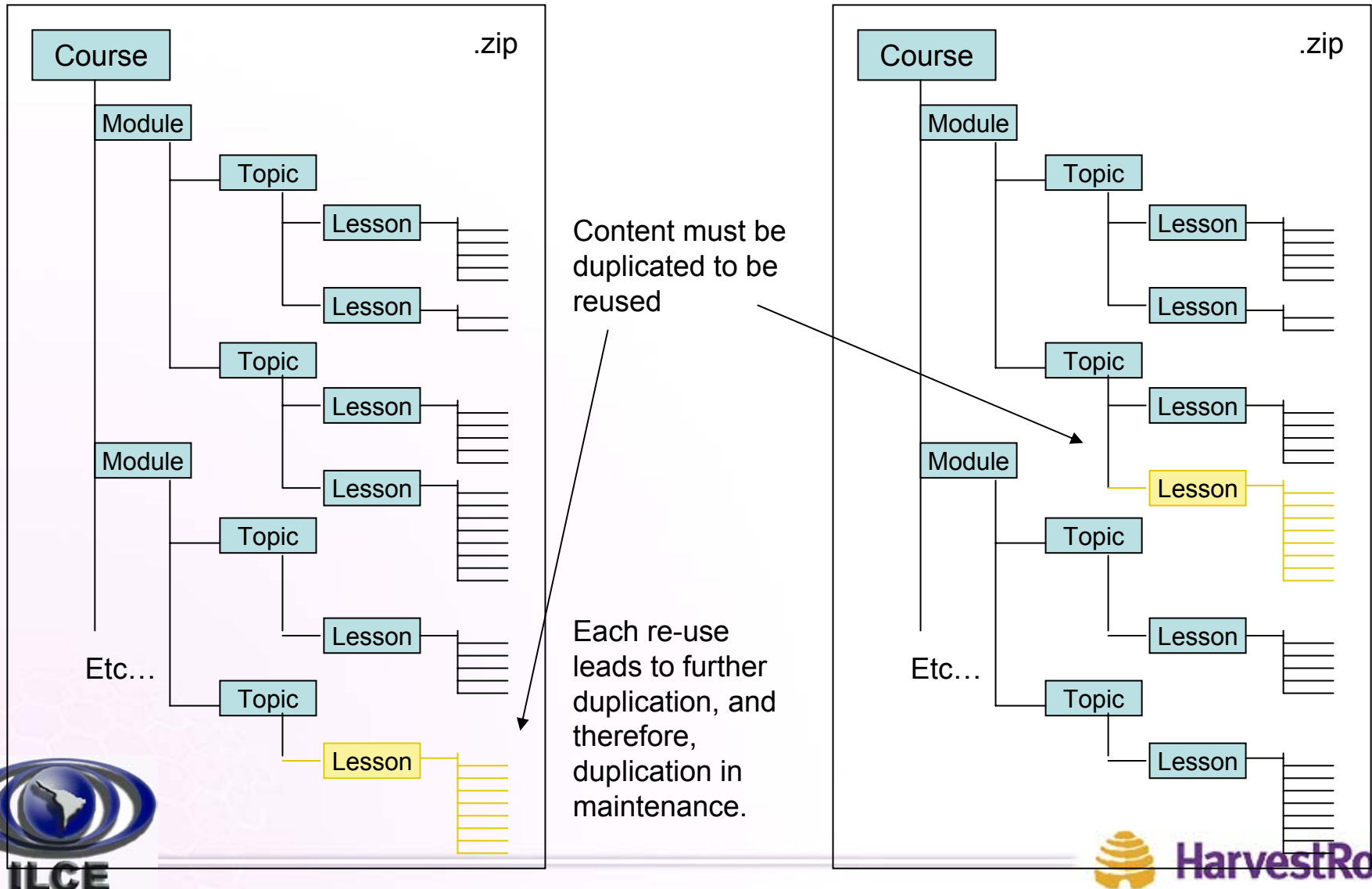
- Increased cost
- Technology lock-in
- Lack of resources to create content
- Incomplete educational models/practices
- Resistance – individuals and groups
- It's just different – (OHPs in the bowling alley)

Standards can address most of these issues

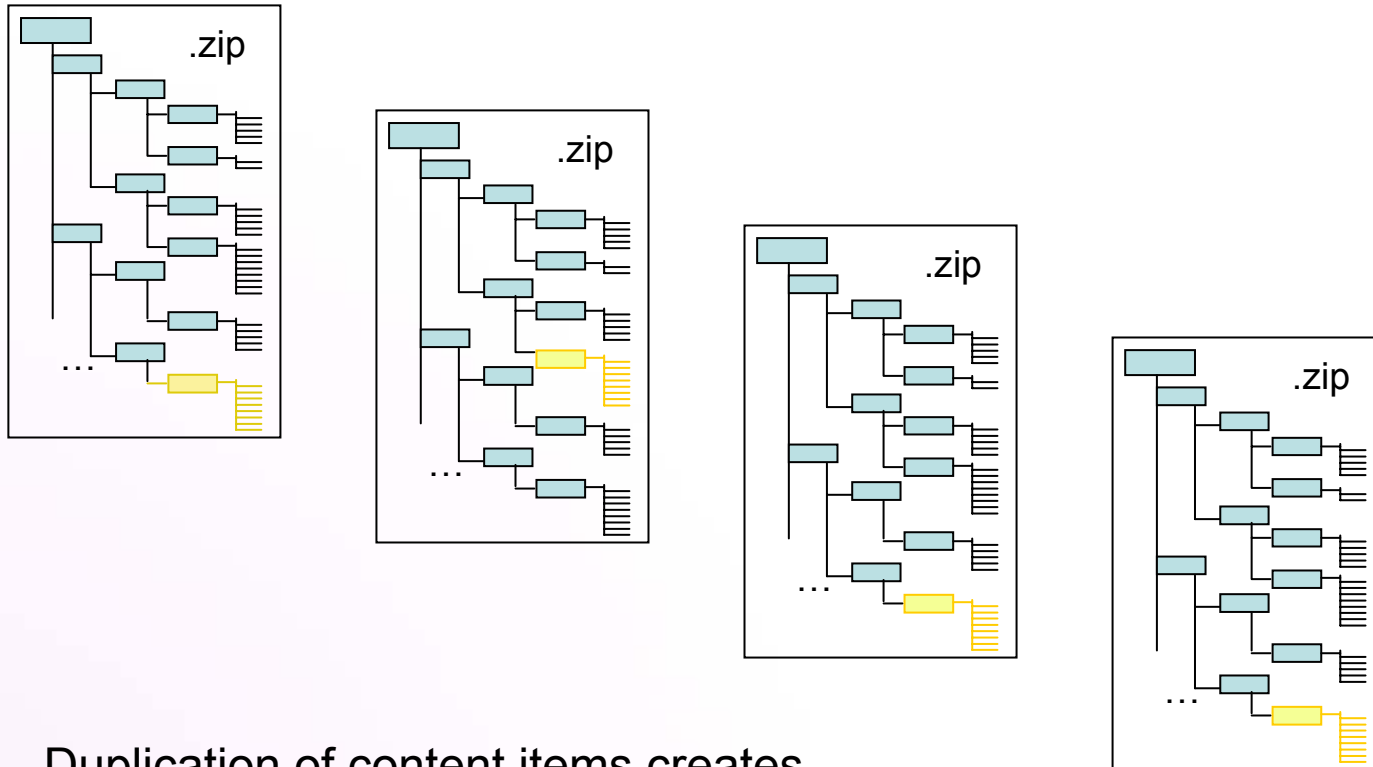
Requirements for true reuse of content

- Independent digital repository holds all content – dynamically delivered
- Dynamic application of look and feel
- Single instance of content – no duplication
- Permissions and access is more important than DRM at this stage – business rules

Standards-based sharing



Content Replication



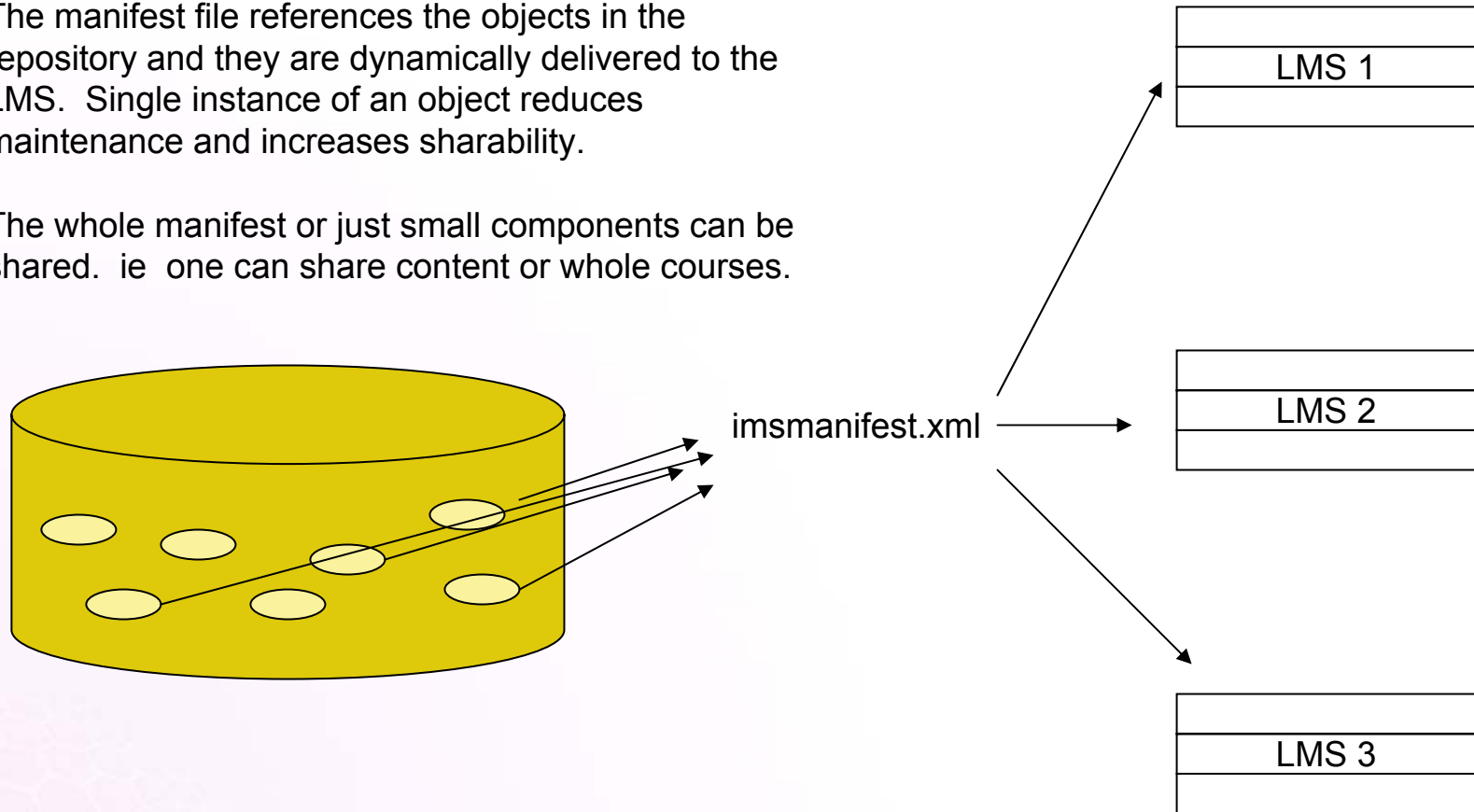
Duplication of content items creates maintenance and storage problems.

1 University in Melbourne already has a
1 Terrabyte learning content storage requirement.

Standards “plus” sharing

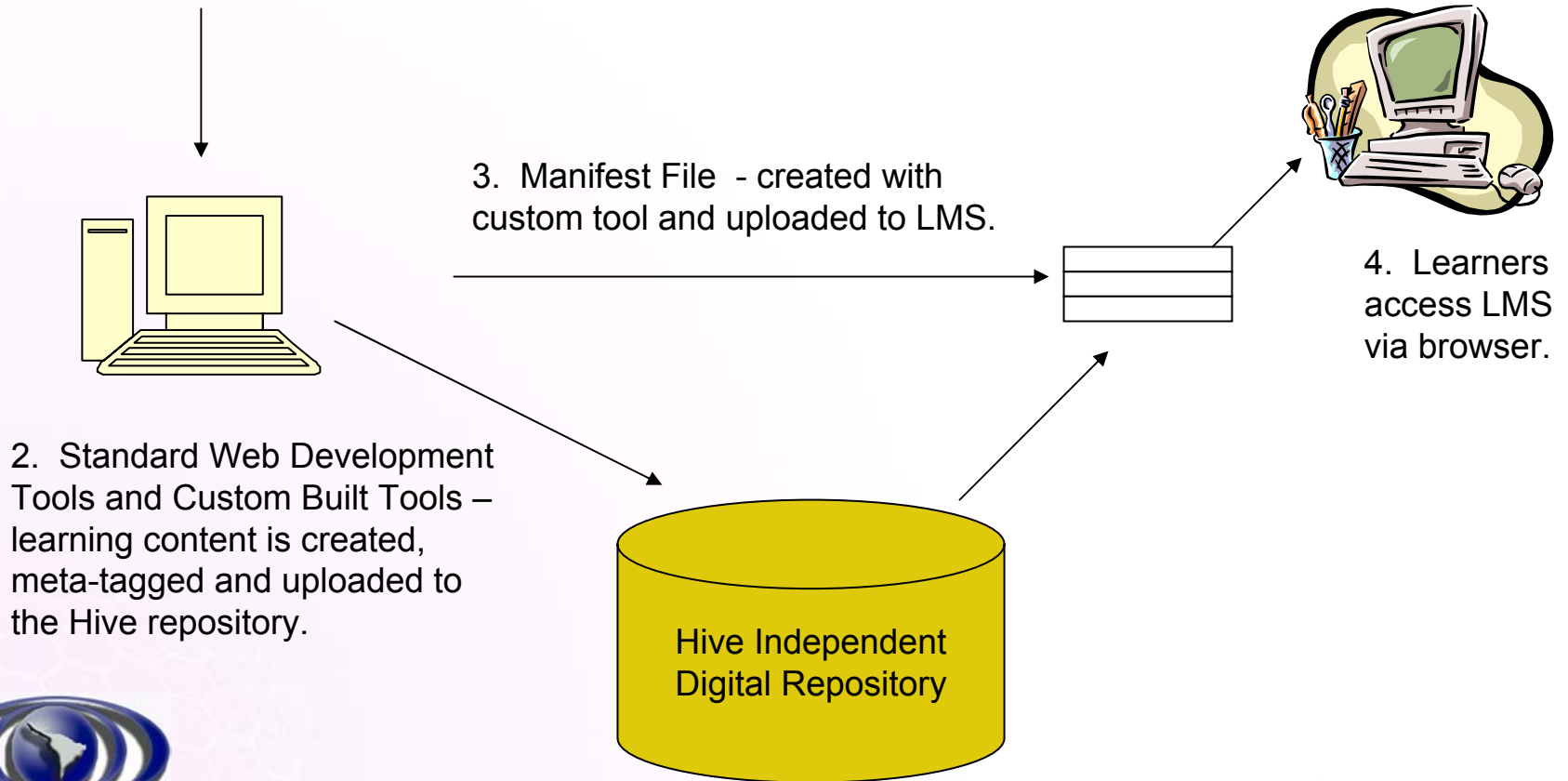
The manifest file references the objects in the repository and they are dynamically delivered to the LMS. Single instance of an object reduces maintenance and increases sharability.

The whole manifest or just small components can be shared. ie one can share content or whole courses.

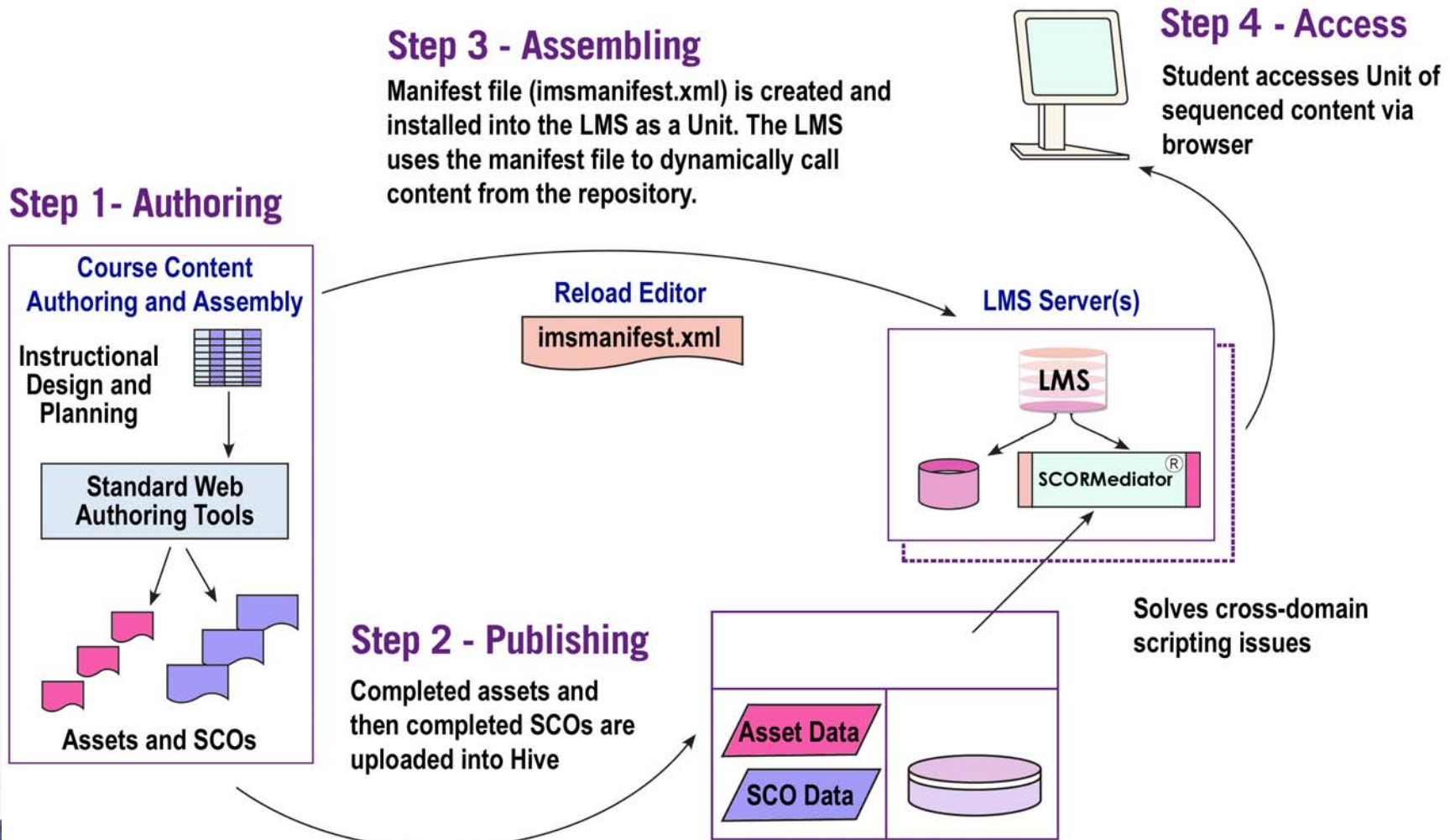


Next Generation Model

1. Instructional Design – the course structure resulting from the instructional design is entered into an Excel spreadsheet.



Content Design and Delivery Model

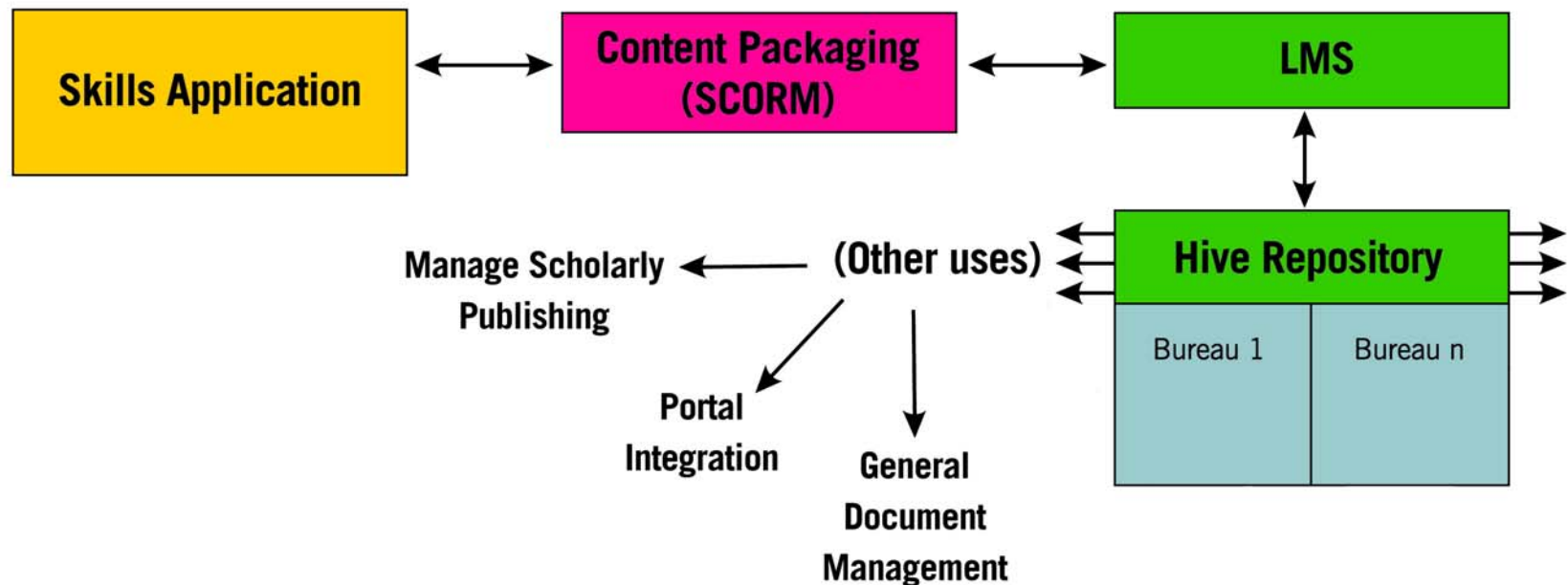


Aligning Skills and Objectives with Content

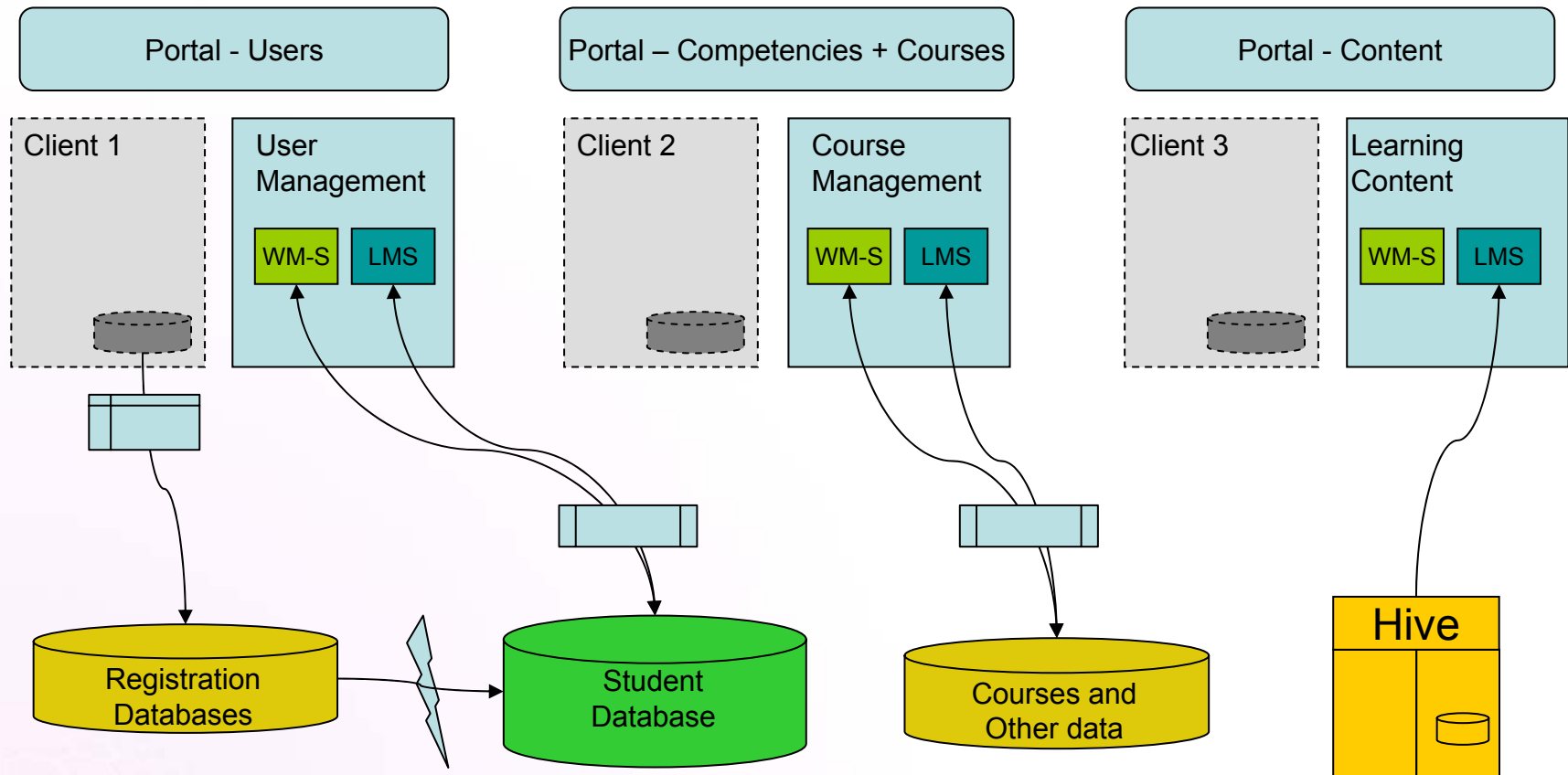
Model



Mechanism



Portal Models



Internet 2 and SIMED – Collaboration?

- Access and equity?
- Are there ways to improve communications between central systems that will deliver benefits to all learners?
 - even on low user-end bandwidth?
- What can we do now that will focus effort on educational quality?
 - experimentation?
- What are the best ways for CUDI and SIMED to work together to add value to each other?
 - innovative investigations with learners
 - using ILCE's international capacity for innovation in implementation

Questions?

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Repository = LCMS plus...

- LCMS features for handling RLOs
- CMS features for management and storage
 - plus -
- Enhanced and extensible metadata
- Sophisticated network deployment and management
- Repository (bureau) separation while sustaining federation
- Enhanced support for business processes around content

Digital Repository Architecture

