Changes in e-Learning Service of University through IMS Standards

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Table of Contents

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*C*reate value for Customer
*C*hallenge the future

Global e-Learning Tech Trends

Hype Cycle for Education 2012(Gartner)

Years to mainstream adoption
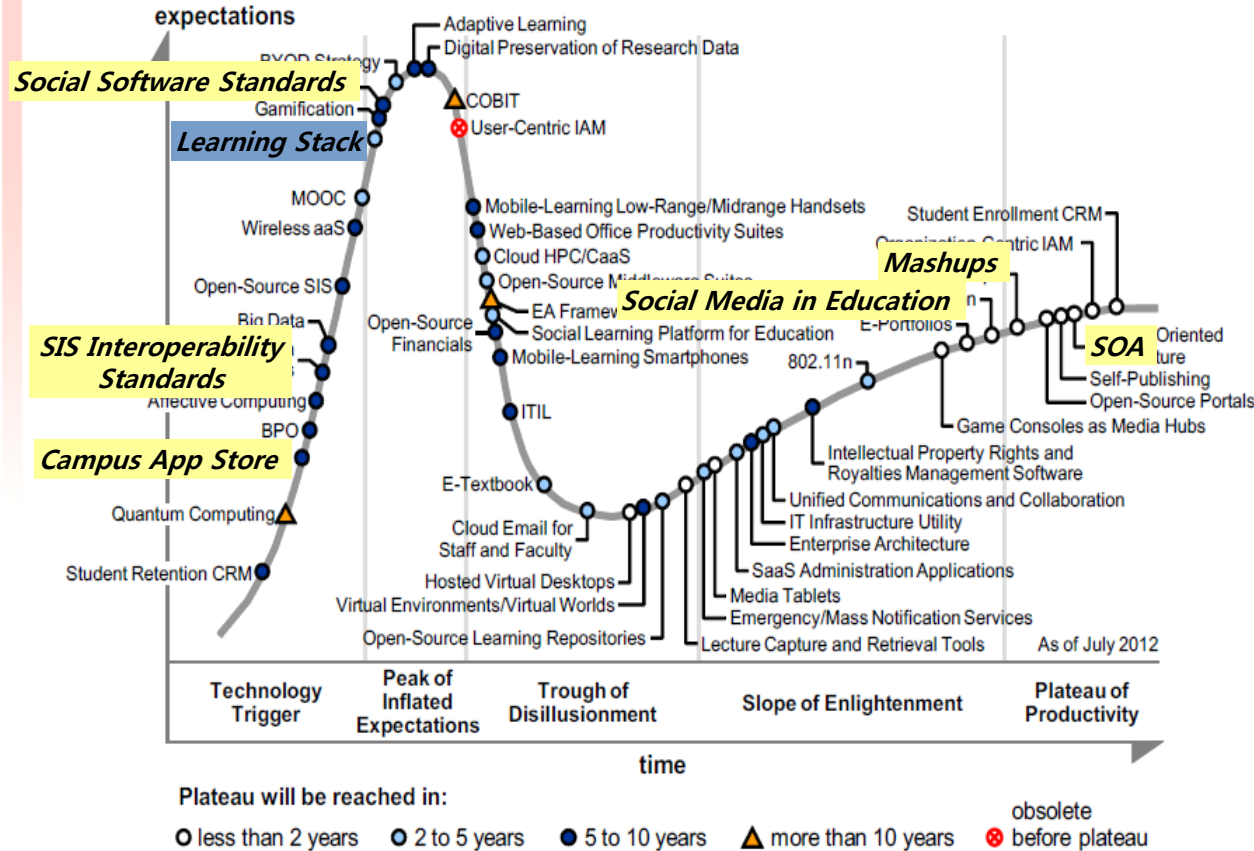
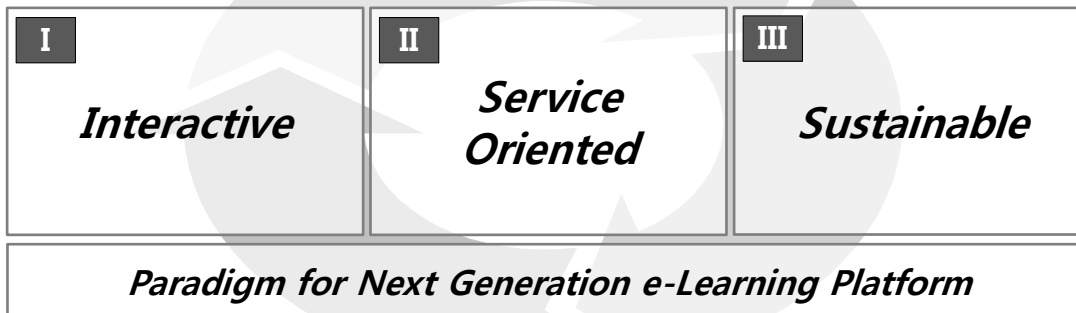| less than 2 Years	• _Service Oriented Architecture_ • _Mashups_ • _Social Media in Education_ • Media Tablet • E-Portfolios
2 to 5 Years	• _Learning Stack_, MOOC • E-Textbook, BYOD Strategy
5 to 10 Years	• _Campus App Store_ • _Social Software Standards_ • _SIS Interoperability Standards_

※ **Source : Gartner (July 2012)**

[Interactive] [Service Oriented] [Sustainable]

◆ Paradigm Shift

"Smart Learning, Smart Teaching, Smart Innovation"

Flexible and Expandable e-Learning Platform

| I | Interactive | II | Service Oriented | III | Sustainable |

Paradigm for Next Generation e-Learning Platform

I Interactive Learning Platform

- Knowledge Delivery + Interaction
- Seamless Learning Experience

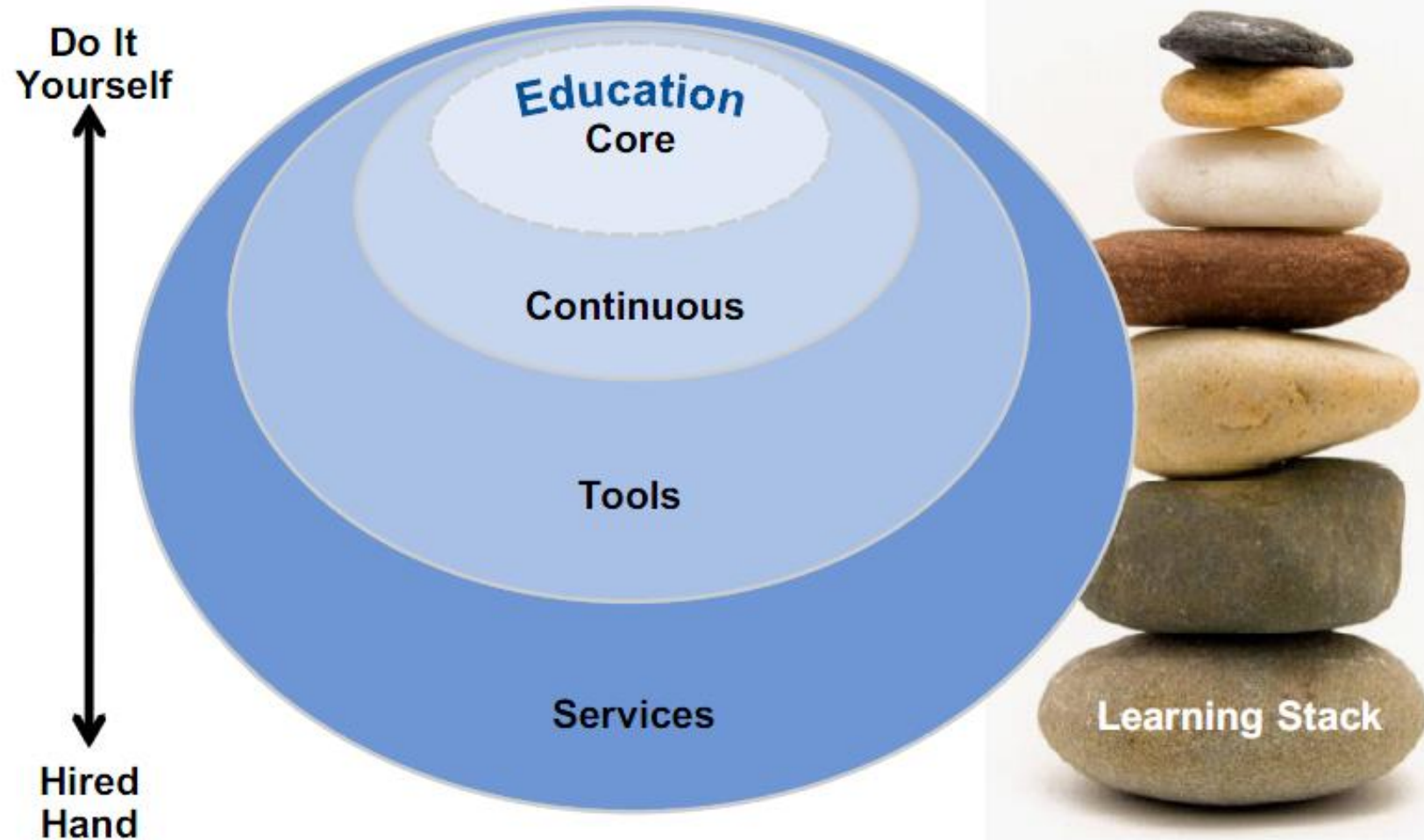**II Service Oriented Learning Platform**

- Learning Service Oriented Architecture
- Flexible & Expandable Interface

III Sustainable Learning Platform

- Cost-effective interaction/ expansion/ development strategy required.

Gartner Four-Layer Education Ecosystem

※ **Source : Gartner (February 2012)**

◆ **Build Learning Stack on a Context Platform**

"Maintain an agile learning environment through flexible management."

ERP = enterprise resource planning, IdM = identity management, SIS = student information systems

※ **Source : Gartner (February 2012)**

◆ IMS Common Cartridge

Convergence Contents
with various types of Learning Resources

Construct Personalized Coursework
for Various Teaching & Learning Model

Web
Contents

Web
Links

Social
Network
Service

Discussion
Forum

Assessment,
Question Bank

Learning
Tool

Resource Repository

Coursework

IMS GLOBAL
CERTIFIED
Current Registrations:
imscert.org

◆ IMS LTI(Learning Tools Interoperability)

Sustainable / Agile / Service Oriented

◆ LTI(Learning Tools Interoperability)

① **Choose Learning Tool**
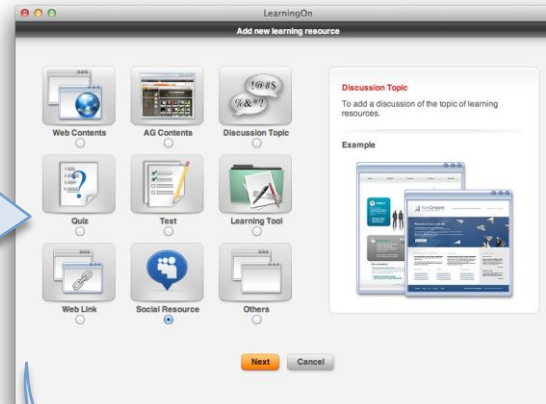
② **Import Learning Tool**

③ **Edit Metadata**

④ **Aggregate Learning Contents and Learning Tool**

Resource Repository

Drag & Drop
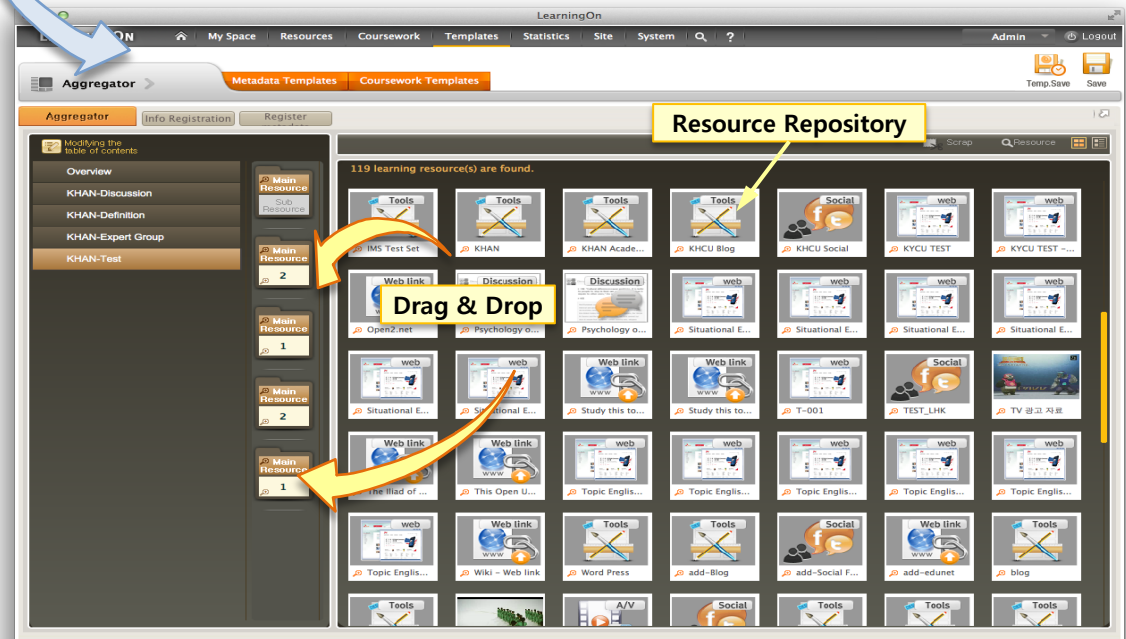
Learning Tools Interoperability
=
Learning & Teaching Instantly !

Case Study

◆ Seoul Cyber University (Korea)

'Content + Activity' Combine

The 3rd LMS at Universit at Oberta de Catalunya (Spain)

Source: UOC

Case Study
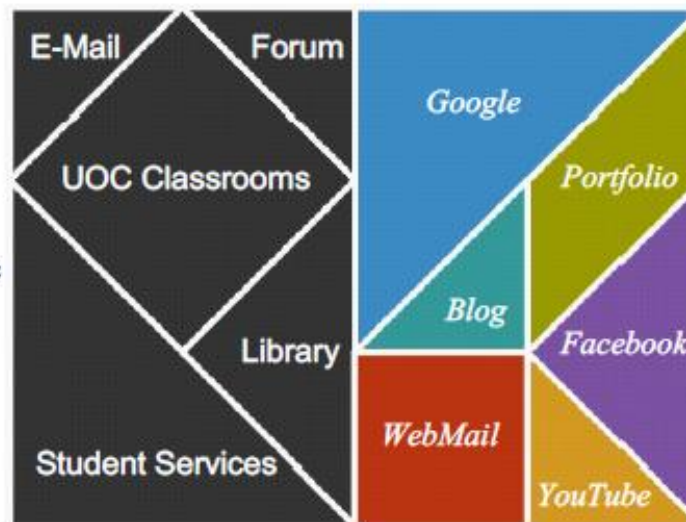
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◆ **Jazan University (Demonstration)**

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thank **you**

Q & A