



COLLABORATION FOR CHANGE: ENABLING NEXT- GENERATION DIGITAL LEARNING

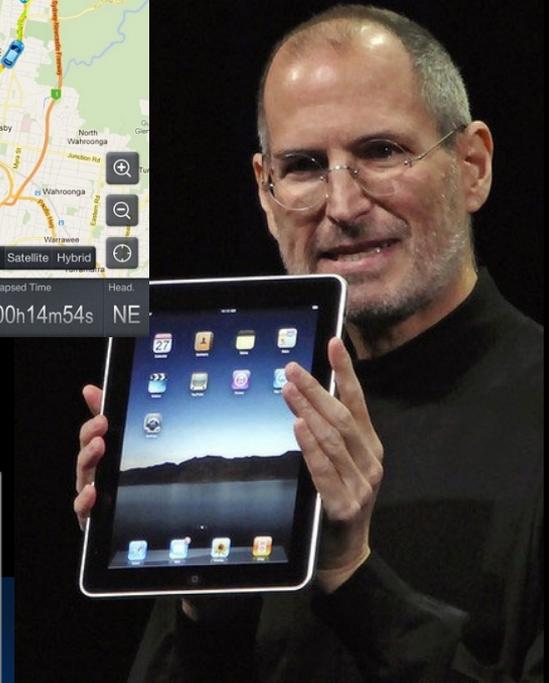
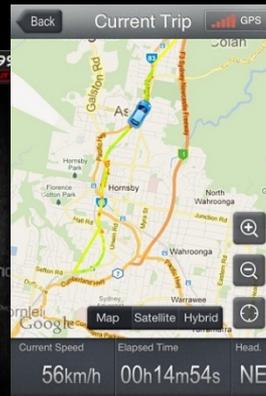
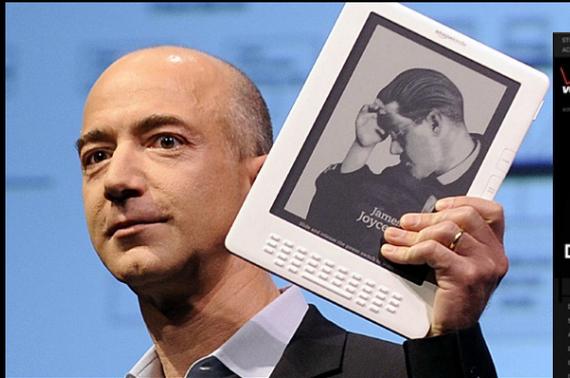
Sandra DeCastro,
Vice President, Community Programs,
IMS Global Learning Consortium

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Digital & Mobile Everything



IMS GLOBAL[™]
Learning Consortium

What Do We Mean By Collaboration for Change?

An Open Foundation that Enables Seamless, Agile & Data-Rich Innovation

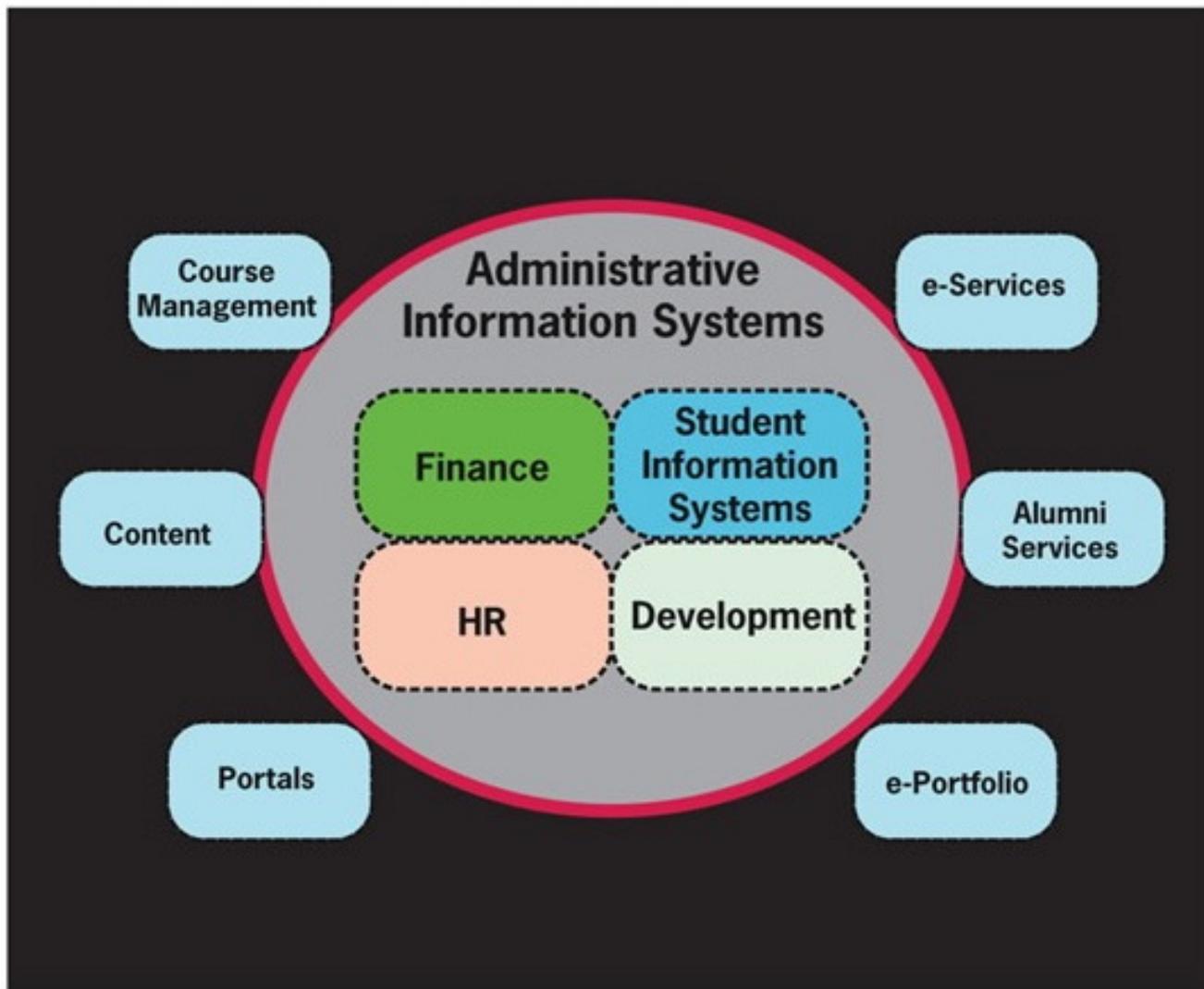
“Interoperable
Learning
Network”

Just as W3C standards make interoperable exchange of text & graphics over the Internet easy, the IMS standards make exchange of information among educational applications easy.

standards (IMS)
World Wide Web standards (W3C)

Internet standards (IETF)

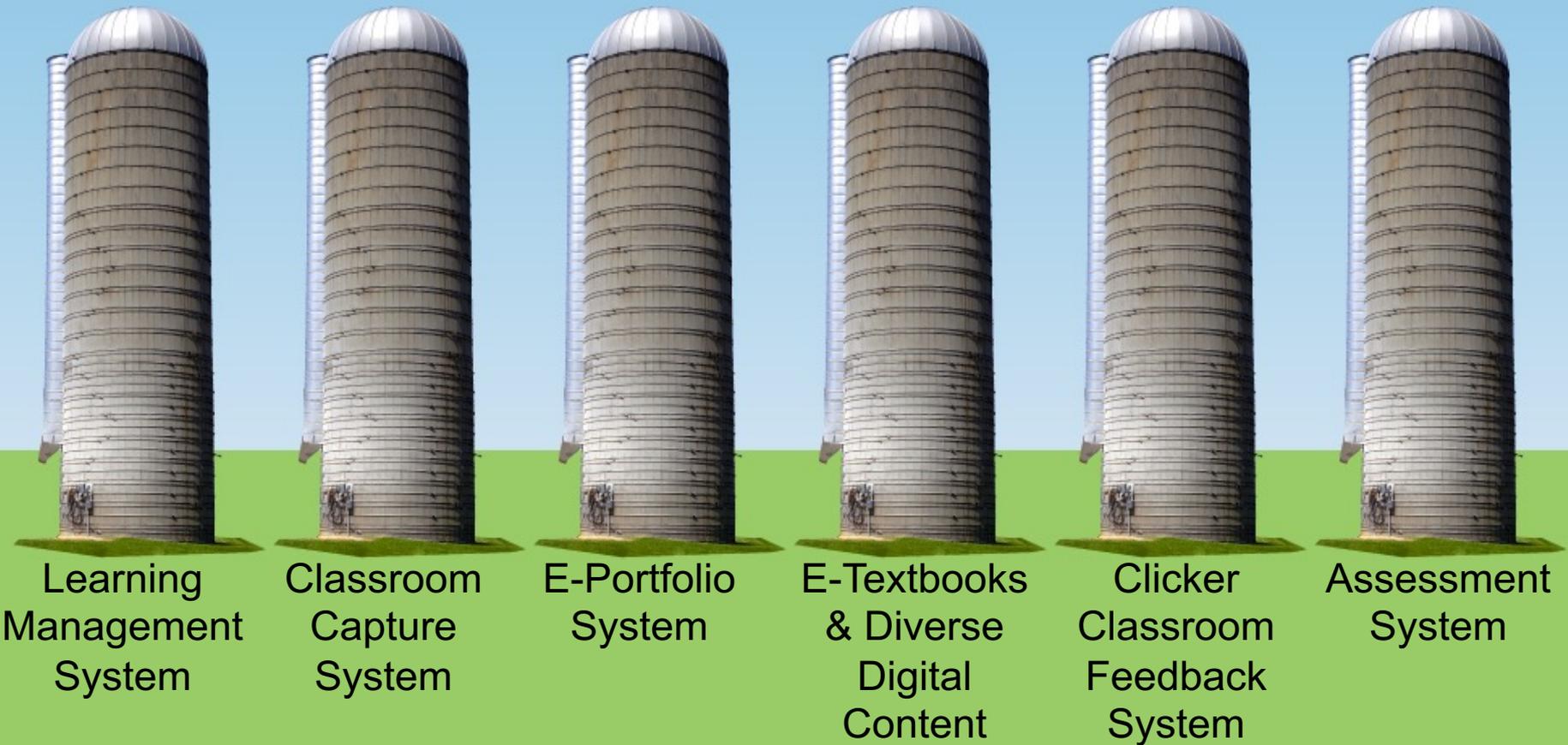
FIGURE 2. THE MIS/ERP TURTLE, CIRCA 2007



© 2007 Kenneth C. Green
EDUCAUSE Review, vol. 42, no. 6
(November/December 2007): 148–149
Prodding the ERP Turtle

“Unfortunately, the turtle is more than a graphic metaphor. **On too many campuses, it is also an operational metaphor: core information systems remain in hard-shelled silos, "protected" by both old code and outdated policy. The elements that propel the new, integrated ERP reside outside of this hard shell. And movement (change) comes slowly, turtle-like.** For example, it is only now, fully a decade after the emergence of the LMS and portals as key instructional and service resources, that institutions and the campus ERP providers have begun to link these functions to the traditional core campus information systems.”

The Whole is Not Equal to the Sum of the Parts



Learning
Management
System

Classroom
Capture
System

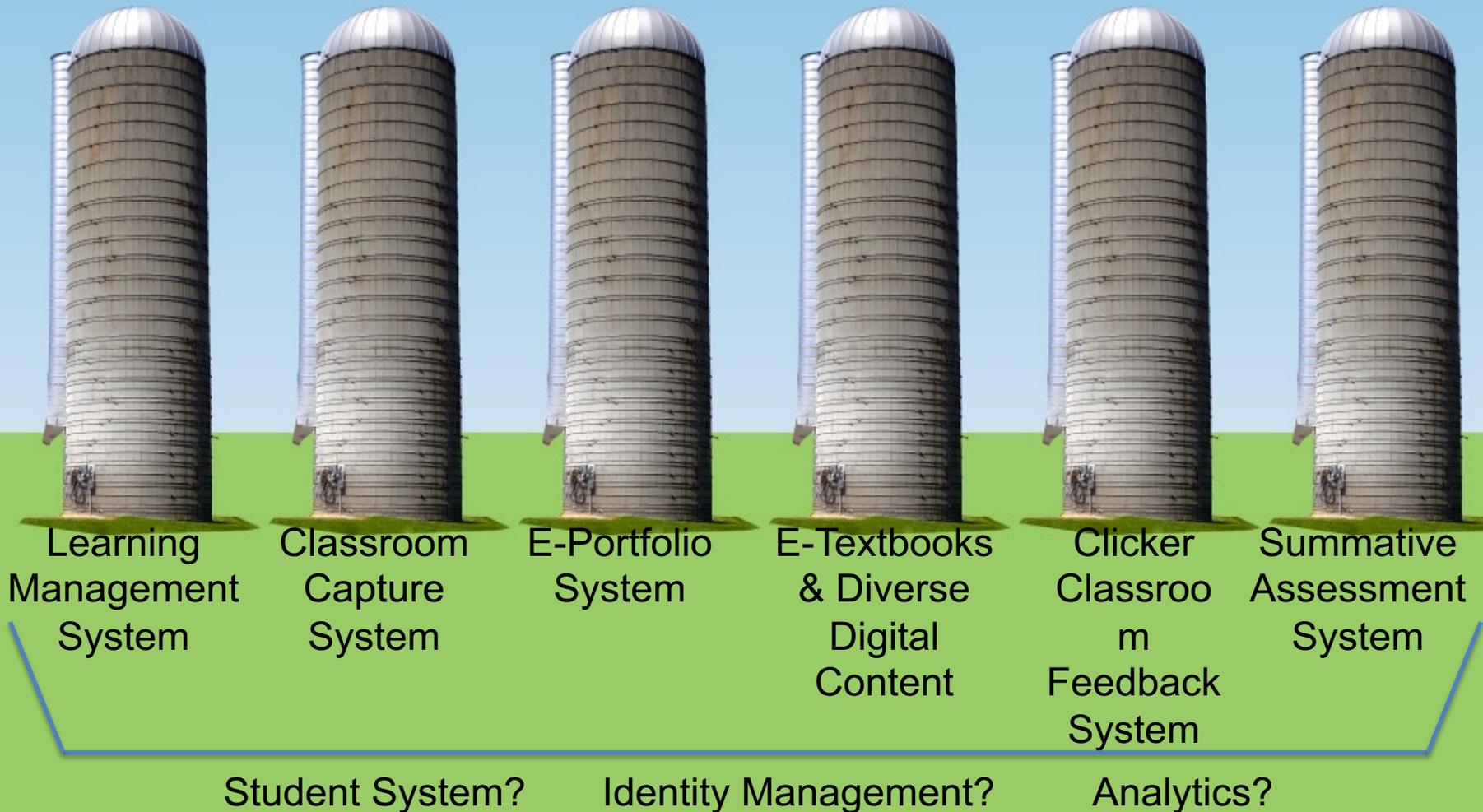
E-Portfolio
System

E-Textbooks
& Diverse
Digital
Content

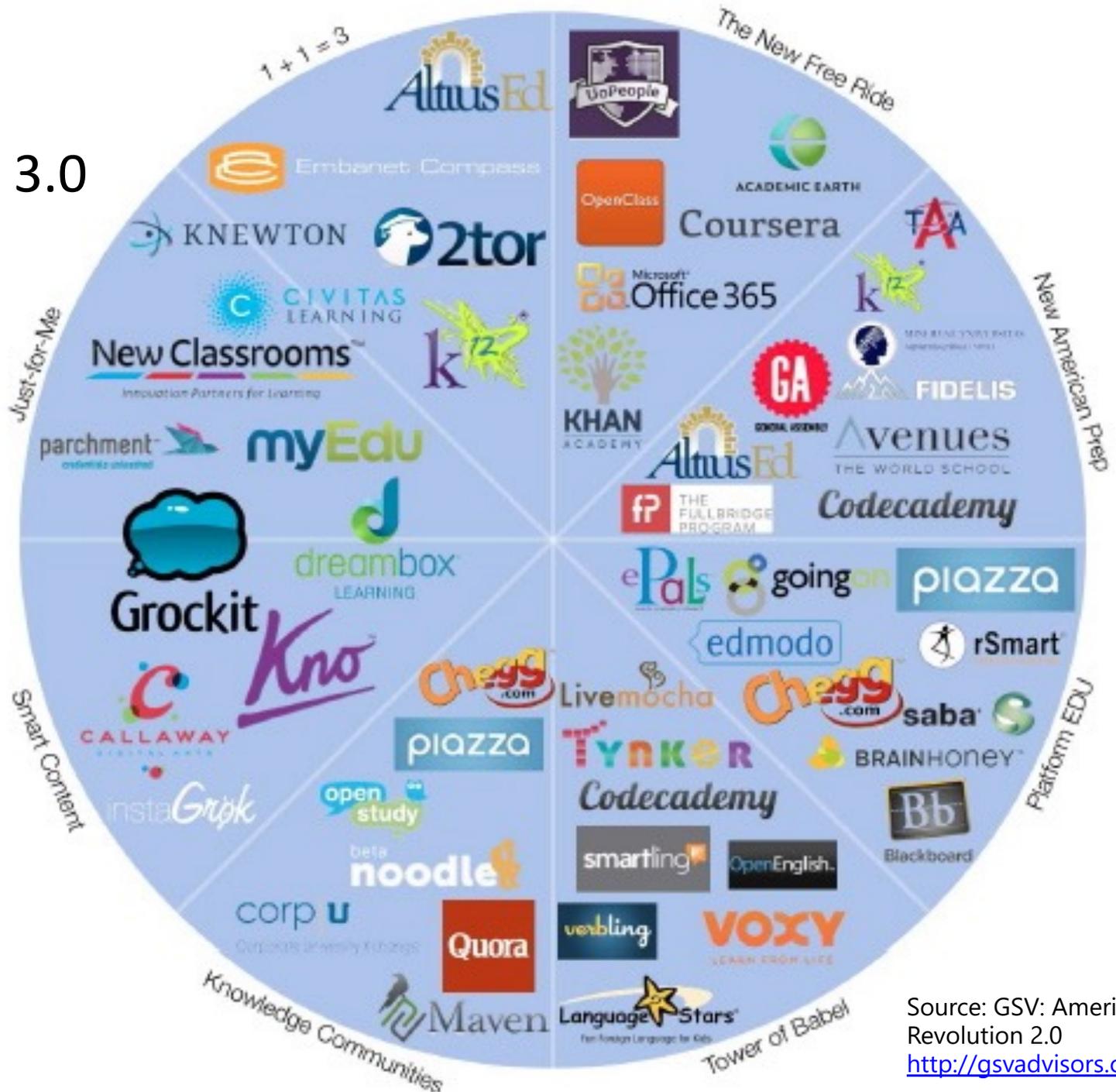
Clicker
Classroom
Feedback
System

Assessment
System

How Many Custom Integrations Can You Support?



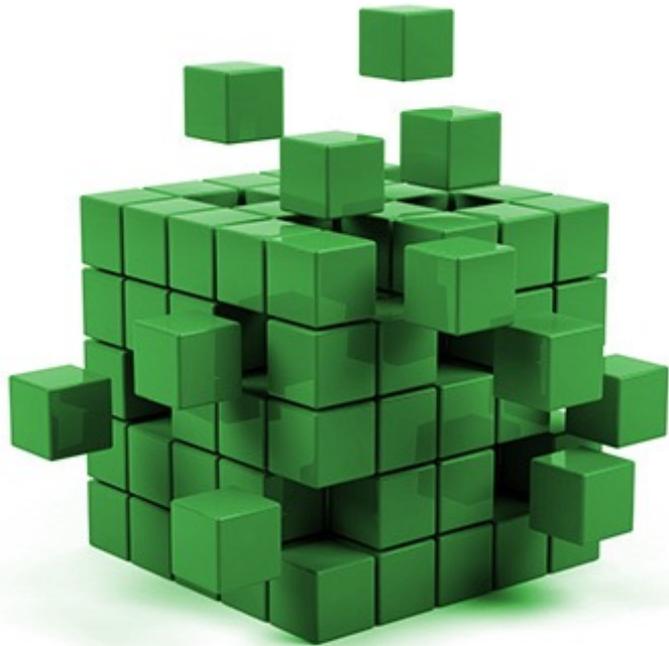
Education Innovation 3.0



Source: GSV: American Revolution 2.0
<http://gsvadvisors.com>



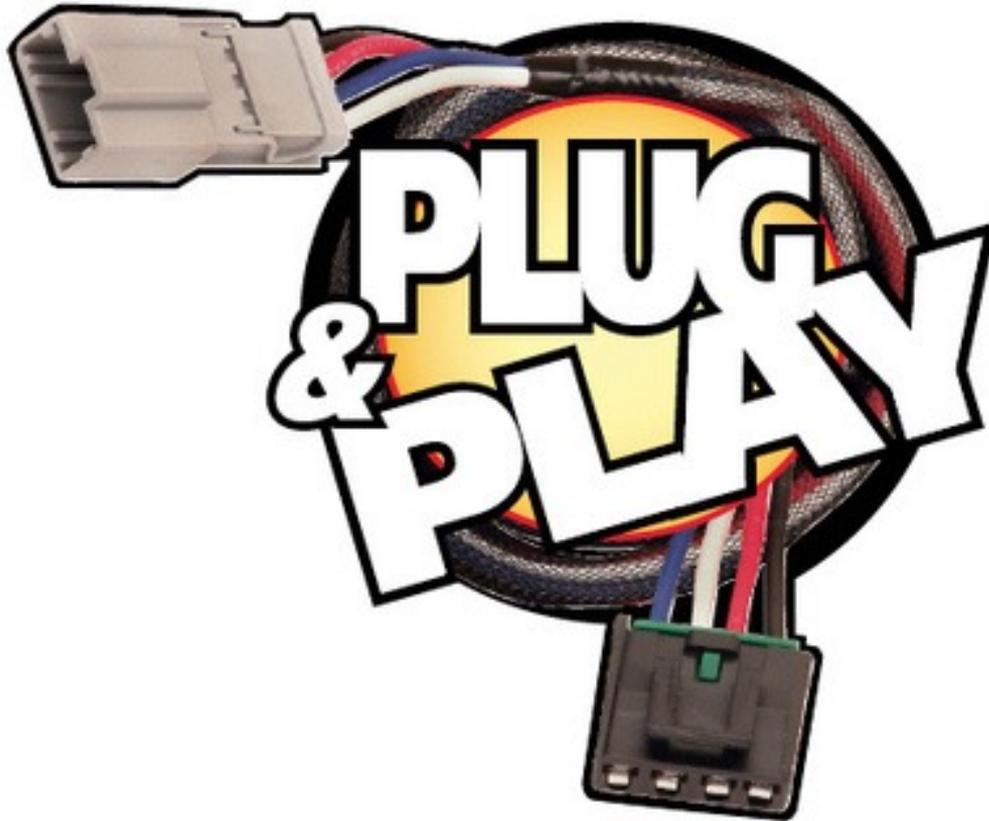
The Need



A flexible and responsive IT infrastructure that connects digital learning content and applications together, and enables modular evolution.



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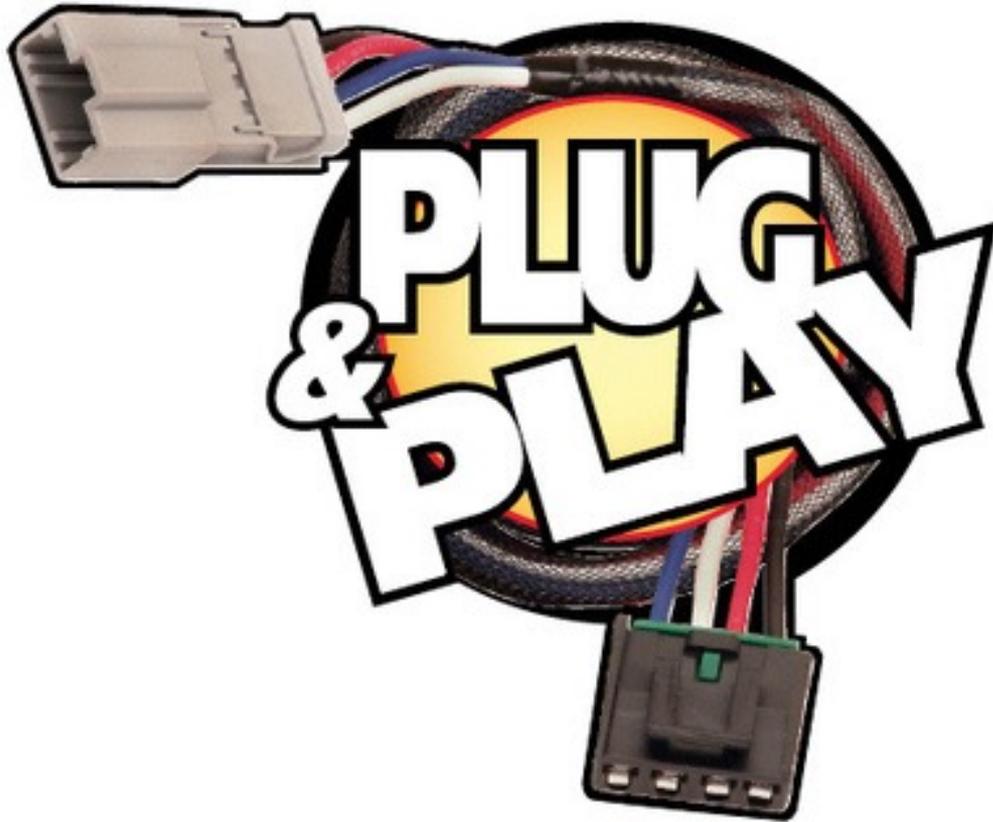


*For
Educational
Content &
Applications*



The IMS Open Digital Innovation Revolution

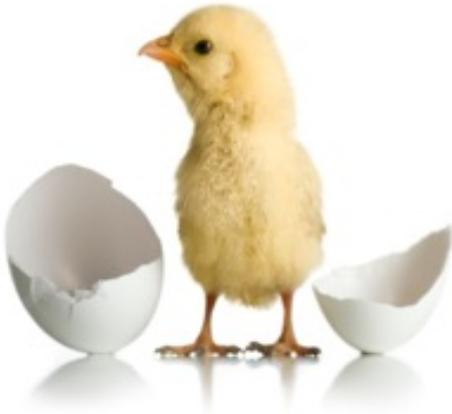




*For
Educational
Content &
Applications*

IMS Digital Learning Services Standards

*Free
the
content*



**Common
Cartridge**

*Seamlessly
connect
to learning*



**Learning
Tools
Interoperability
(LTI)**

*The information
architecture for
learning*



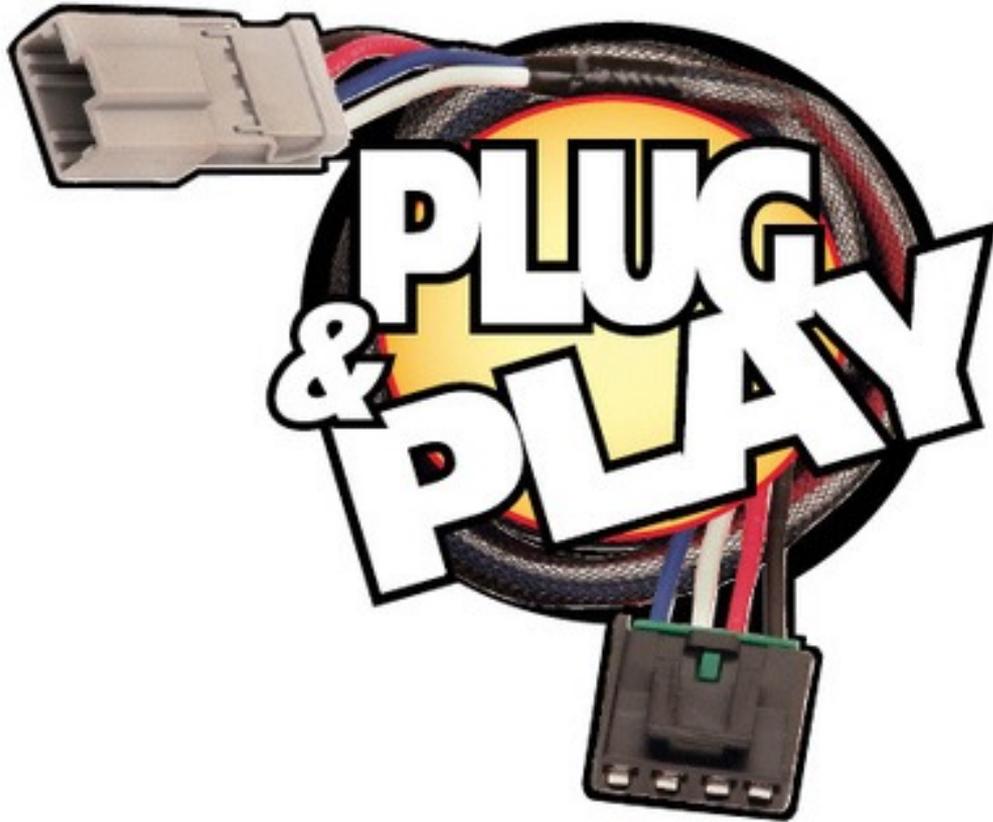
**Learning
Information
Services (LIS)**

Enable Content, Application Assessment & Data Interoperability



Learning Tools Interoperability (LTI) System

Learning Information Services (LIS)



*Any
Application
Can Plug into
Any Other
Application*



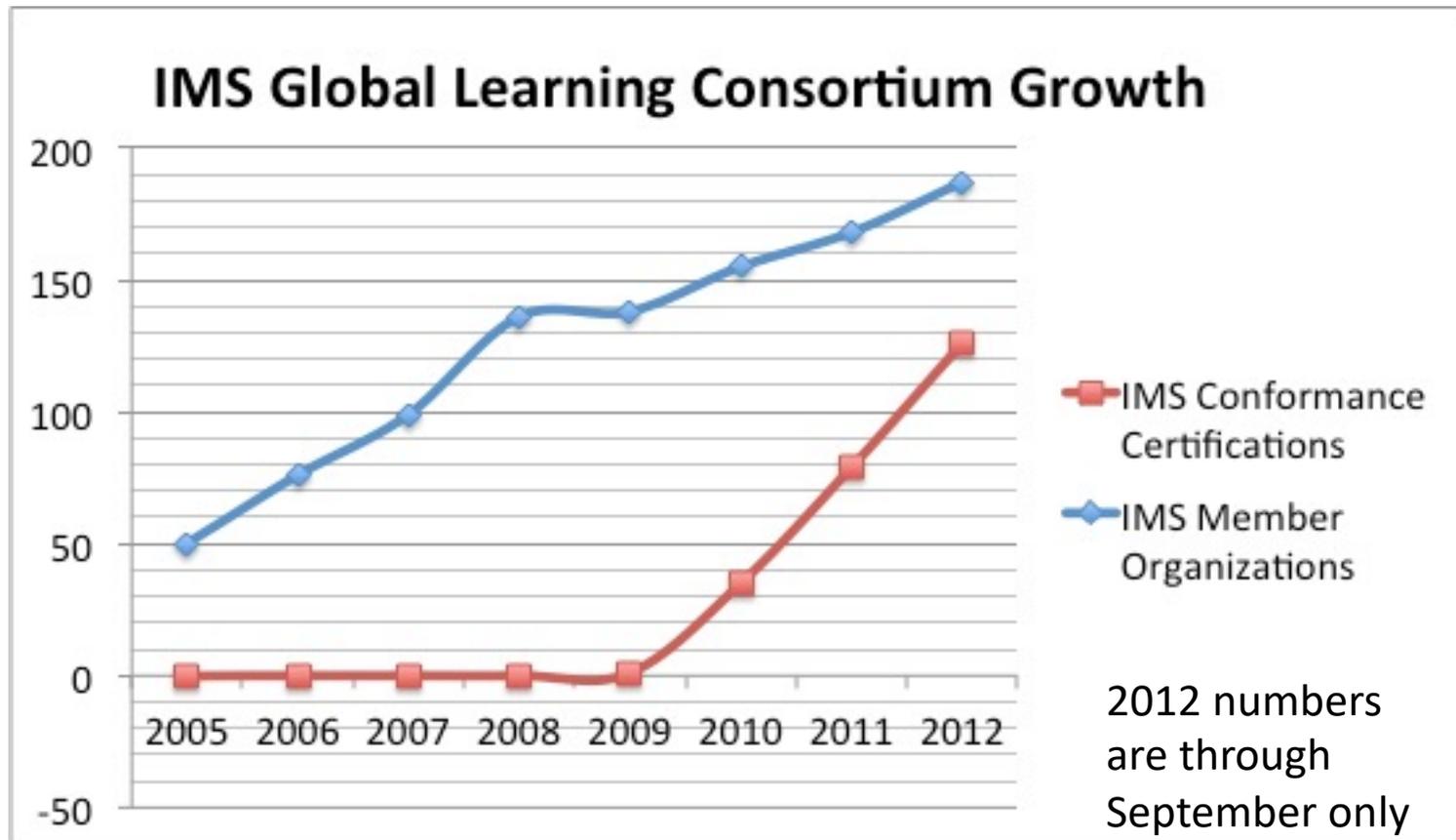
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***A new era in
education industry
efficiency,
innovation and
collaboration.***





IMS: The Education *Interoperability* Revolution!



Everything here is IMS LTI Certified!

learning tools interoperability catalog

Use LTI tools inside these platforms- [See what they support](#)

click icon for more info



Blackboard



ebook tools



CourseSmart

Find and access eTextbooks and digital course materials



CourseLoad

Delivers course materials through any web-enabled device



vitalsource

VitalSource

Integrated online, downloadable and mobile access for your e-textbooks



Barnes and Noble

Use Nook Study to read your ebooks and texts

assessment tools



Learning.com

Web delivered curriculum and assessments

eportfolio tools



Chalk & Wire

ePortfolio authoring, assessment system, and data analysis tools for students, faculty and professional staff in higher education and K-12



Mahara

Open source eportfolios where you can collect, reflect on and share your achievements success.



Pathbrite

ePortfolios help students collect, track and showcase a lifetime of learning and achievement, and recommend pathways for continuous success.



PebblePad

Users create records of learning, achievement, and aspiration

specialty course tools



ChemVantage

An Open Education Resource for General Chemistry

collaboration tools



Learning Objects

Social software for learning



LTI Plugin for Vanilla 2

Provides forum capability via a LTI connection



Elgg

Create your own fully-featured social networks and applications

classroom capture/lecture tools



McGraw-Hill Tegrity

Records class time and course content for students to watch



“Moving from ‘Users’ to ‘Choosers’”

-- Patrick Laughran, CIO Framingham
State University

<http://www.imsglobal.org/cc/statuschart.cfm>



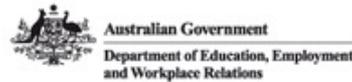
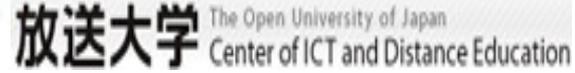
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The Revolution:
***Getting More from Your
Enterprise Technology via
Open Interoperability!***



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THESIS:
**Technology in Higher
Education in Support of
Innovation for Student
Success**





THESIS Advisory Council

- Sean DeMonner, Director, Teaching & Learning, ITS, University of Michigan
- Bob Dewitt, Chief Information Officer, Antioch University
- Patricia Fenn, Executive Director of E-Learning, Ocean County College
- Patrick Laughran, Chief Information Officer, Framingham State University
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- Terence N. O'Heron, Program Manager, ANGEL (Course Management System), Teaching and Learning with Technology, Information Technology Services, The Pennsylvania State University
- Jeff Swain, Project Manager of New Technology Initiatives, The Pennsylvania State University

THESIS Framework Enables Colleges and Universities to:

- Break the status quo of closed, proprietary systems
- Become more agile in integrating new technologies and digital content, and providing support for evolving new personalized learning environments.
- Enable content and data to be migrated from one platform to another platform with ease.
- Improve the consistency of how faculty utilized technology across the institution, which in turn will enhance the student learning experience.
- Facilitate information sharing about innovative and sustainable uses of technology that can help improve access, affordability, and quality of personalized learning experiences.



Three Easy Steps to Enacting THESIS on Your Campus

1. Request a free webinar for IMS staff to provide an overview of THESIS to campus stakeholders
2. Sign-up by pledging institutional support for the underlying principals of the THESIS program
3. Utilize the resources made available in the THESIS toolkit and access to IMS community to support adoption

Sandeep Chellani, Executive Director of Product Development, New York City Department of Education said:

“Using IMS standards on ILearnNYC has resulted in a cost savings of 8-10x compared to our prior methods of integration.”

“We never again want to be held hostage with our content,” admitted Finnell. “A big selling point for Blackboard was the ability to say, ‘Hey, if we ever want to try another platform, we know that our course content is backed by the IMS Global Learning Consortium, and easily importable into other learning systems.’”

-- Todd Finnell, Vice President for Informational
Technology, Imperial Valley College

<http://blog.blackboard.com/products-services/blackboard-learn/imperial-valley-college-moves-to-blackboard-learn/>

“Our initial integrations took 6 months or more to complete with custom development on both sides. Since implementing LTI we are now integrating new VitalSource Bookshelf[®] customers over a phone call, and soon we will even eliminate that.”

-- Rick Johnson, Chief Technology Officer, Vital Source Technologies

“Organizations that integrate VoiceThread well will experience 5x as much use in the 1st year. More importantly they’ll spend 1/5 as much time on support and training. ”

-- VoiceThread Blog Post on IMS LTI

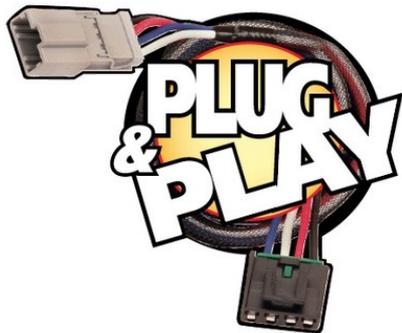
<http://blog.voicethread.com/lti-learning-tools-interoperability-now-available/>

“So many vendors have boasted “sure, we integrate with your system” but what that really translates to is “we integrate with your system as long as your IT guys spend 6 months in a cave banging out code.”

LTI is a real return on investment for us and for suppliers. We get the advantage of being able to integrate a number of tremendous products into our learning environment and we don't have to use our limited resources on custom integrations since LTI is so easy.”

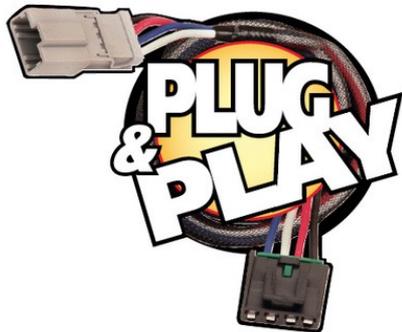
-- *Steve Kessinger, Director of IST, [Bluefield College](#)*

The Open Innovation Revolution: Enable 10-100X Improvement in Adoption of Digital Learning



- Can the education community of suppliers and institutions voluntarily collaborate to achieve a 10-100x improvement in innovation supported with technology?
 - Yes they can - **and they are** via the IMS Global Learning Consortium, a non-profit alliance of institutions and suppliers collaborating to break the status quo of closed, proprietary systems that make the use of digital technology difficult to use for teaching and learning.
 - Institutional adoption of IMS certified products enables the innovative use of technology to make “going digital” a matter of “plug and play.”
- **Institutions can become more agile by simply requiring supplier conformance to 3 proven IMS standards:**
 - Learning Tools Interoperability (LTI)
 - Common Cartridge (CC)
 - Learning Information Services (LIS)
- **Adoption enables any application to seamlessly plug into another without requiring costly and timely custom integrations**
- **THESIS initiative is an easy strategy for institutions to implement to move towards an open academic enterprise**

Laying an Open Foundation to Transform Education



www.imsglobal.org

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 - Institutional adoption of IMS certified products enables the innovative use of technology to make “going digital” a matter of “plug and play.”
- Technology in Higher Education in Support of Student Success (THESIS)
 - Institutional strategy to become more agile, productive and efficient through the adoption of proven IMS interoperability standards.
 - Framework to improve the consistency of how faculty utilized technology across the institution, which in turn will enhance the student learning experience.
 - Facilitates information sharing about innovative and sustainable uses of technology that can help improve access, affordability, and quality of personalized learning experiences
- Implementing THESIS is easy!
 - Request a free webinar for IMS staff to provide an overview of THESIS to campus stakeholders.
 - Sign-up by pledging institutional support for the underlying principals of the THESIS program.
 - Utilize the resources made available in the THESIS toolkit and access to IMS community to support adoption.



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Thank You!

Sandra DeCastro

sdecastro@imglobal.org

Attend Learning Impact

May 13 – 16, 2013

San Diego, California

www.imglobal.org/2013learningimpact.html