



IMS GLOBAL®
Learning Consortium
Better Learning From Better Learning Technology®

IMS Europe Summit 2018

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Shaping the Digital Transformation of Learning

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@LearningImpact

IMS Global has become the W3C++ of Education

- ✓ Non-profit membership consortium run by leading districts, states, universities, suppliers as equal partners
- ✓ 20-year history as a market change agent: learning platforms, e-assessment, digital curriculum, learning analytics, microcredentials
- ✓ 200 end-user organization members (states, districts, universities) representing 17+ million students in USA alone
- ✓ World class product ecosystem based on open standards that are adopted organically and broadly, including hundreds of certified products (imscert.org)
- ✓ Larger than all other standards efforts combined in the education space: 475+ members, financial support approaching that of Worldwide Web Consortium, multi-sector/global span

IMS Global Works Collaboratively With Over 25 Partners and Affiliates in the Education Sector

AACRAO: American Association of
Collegiate Registrars and Admissions Officers

EUNIS: European University Information Systems

Dublin Core® Metadata Initiative **GÉANT**
Bill & Melinda Gates Foundation

CNI: Coalition for Networked Information

ASSOCIATION OF PUBLIC & LAND-GRANT UNIVERSITIES

Next Generation Learning Challenges

Achievement Standards Network

Ed-Fi Alliance

W3C

ISTE

Online Learning Consortium

WCET

MERLOT: Multimedia Educational Resource
for Learning and Online Technology

IEEE: Advancing Technology for Humanity

ISO: International Organization for Standardization

Educause

Internet2

the Learning Council

Competency-based Education Network

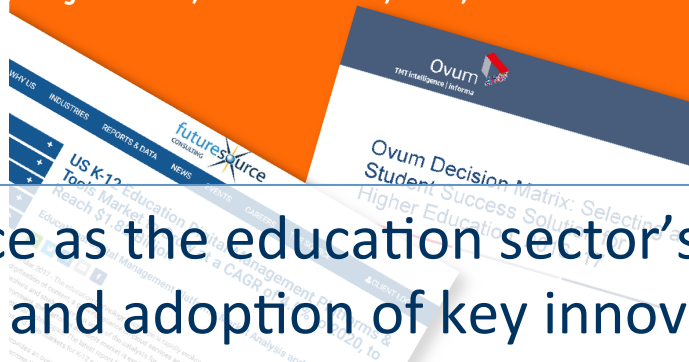
Mozilla

CEN

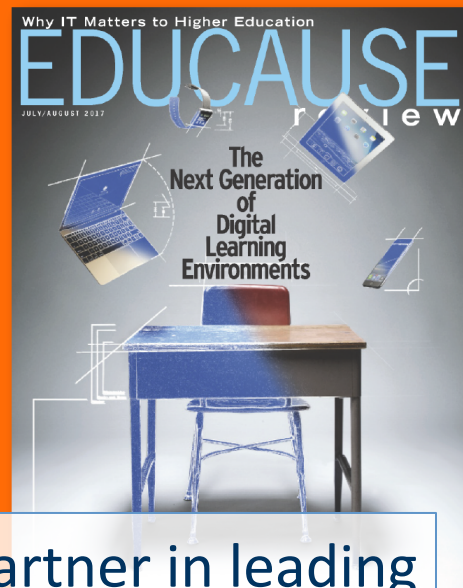
IMS Has Had Equal Governance From
Leading States, Institutions and Suppliers Around the World
Since Its Inception

Over 115 leading HED institutions, 50 school districts, and more
than 285 edtech suppliers worldwide, are working together to
enable academic transformation by creating an expansive set of
interoperable products to support next generation learning.

IMS Global's Work Is Reported On By Repected IT Analyst
Organizations, Such As Gartner, Ovum, and FutureSource



IMS Is a Regularly Featured Contributor
in Major Education Publications,
Organizations and Conferences such as
EDUCAUSE, CoSN, ISTE, ISO/IEC, WCET,
SIIA, CCSO



20+ years experience as the education sector's partner in leading
the development and adoption of key innovations with a full
range of activities that go way beyond standards development



50

NET NEW MEMBER ORGANIZATIONS
ADDED IN 2017



379

PRODUCT CERTIFICATIONS
IN 2017



442

MEMBER ORGANIZATIONS (AND GROWING)



\$4,777,615

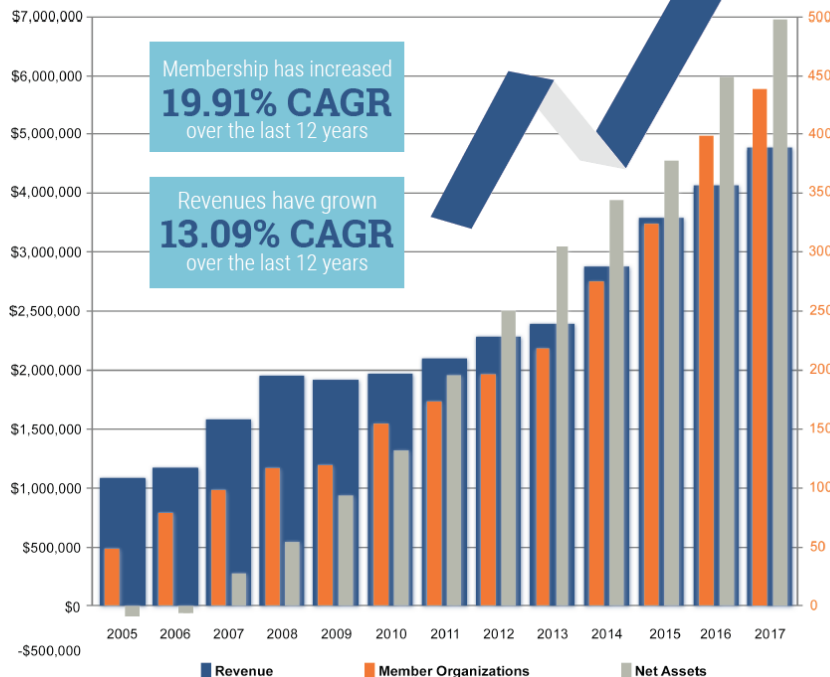
RECORD LEVELS OF REVENUE GROWTH
FOR THE 12TH YEAR IN A ROW



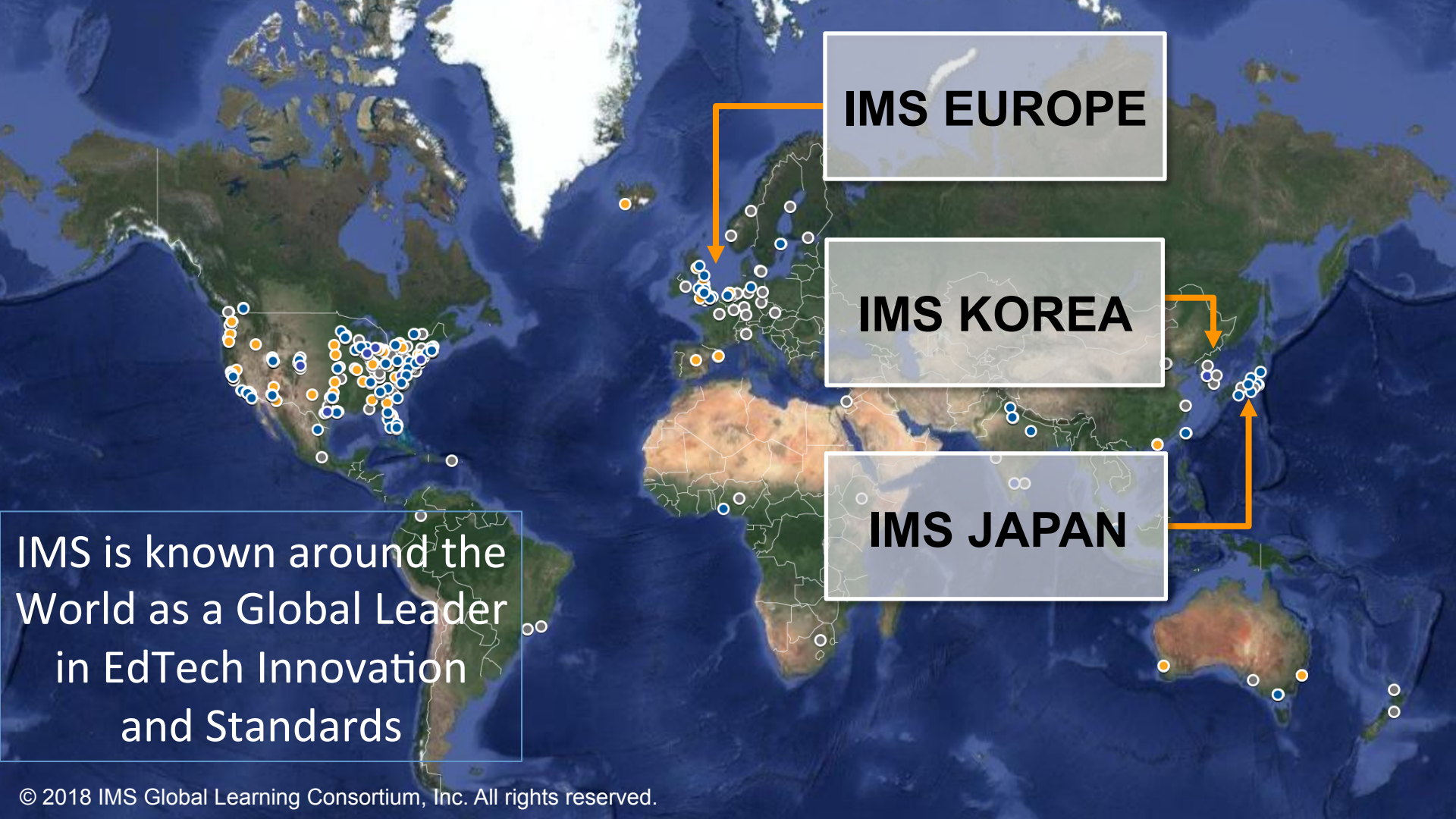
\$6,935,682

2017 NET ASSETS

Revenue, Membership Totals and Net Assets 2005-2017



IMS Revenues
Represent Only
About 5-10% of
the Total
Industry Spend on
IMS-related Work



IMS EUROPE

IMS KOREA

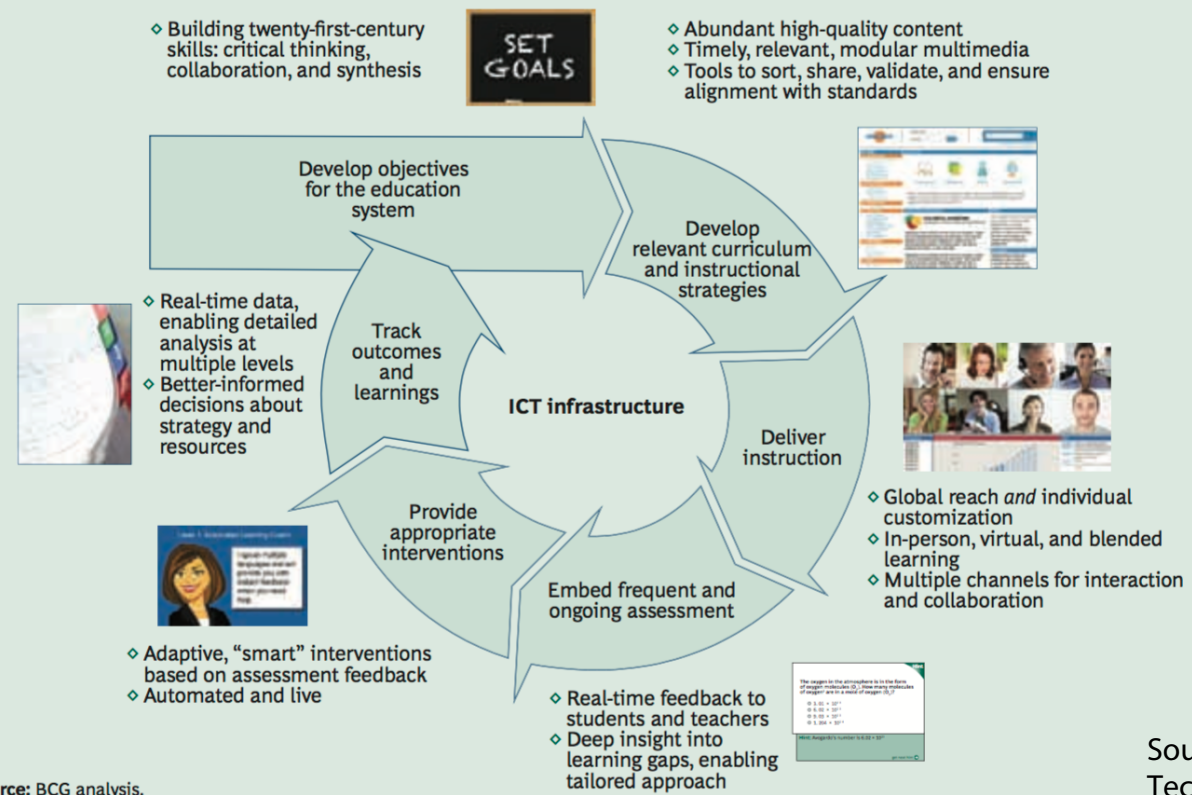
IMS JAPAN

IMS is known around the
World as a Global Leader
in EdTech Innovation
and Standards

IMS Focus: Digital Transformation in Education, Pragmatically Speaking

- ☑ Rising expectations that technology should improve teaching and learning
- ☑ Proliferation of innovative digital learning tools – that need to work together
- ☑ Expectation that the ecosystem of tools and cooperation go beyond any single platform

Exhibit 4. Technology Enables a Closed-Loop Instructional System to Deliver Better Student Outcomes



Source: BCG analysis.
Note: ICT is information and communications technology.

Reaching the Full Potential of Digital Transformation in Education Requires Unprecedented Levels of Interoperability Across Hundreds of Products in Real-Time

Source: BCG: Unleashing the Potential of Technology in Education, 2011
<http://www.bcg.com/documents/file82603.pdf>

Today's IMS Digital Transformation Call to Action: Shaping the Ecosystem

- ☑ Innovative digital learning platforms and tools – that work seamlessly together
- ☑ Evolution to personalized, adaptive instruction and pathways for better student outcomes
- ☑ Enabling of quality information and data for real-time interventions and foundational research
- ☑ Improving the capturing of achievements and learning frameworks



IMS Global is building a business ecosystem based on open standards

A business ecosystem describes the structure and behaviour of a network of high-tech organisations that share a key technological platform and the ways individual firms can flourish in such an environment.

Irrespective of an organisation's individual strength, all actors in a business ecosystem are connected and share the success or failure of the network as a whole.

Standards Are the Shared Ecosystem Platform

LTI[®] LEARNING TOOLS INTEROPERABILITY[®]

ONEROSTER[®]

COMMONCARTRIDGE[®]

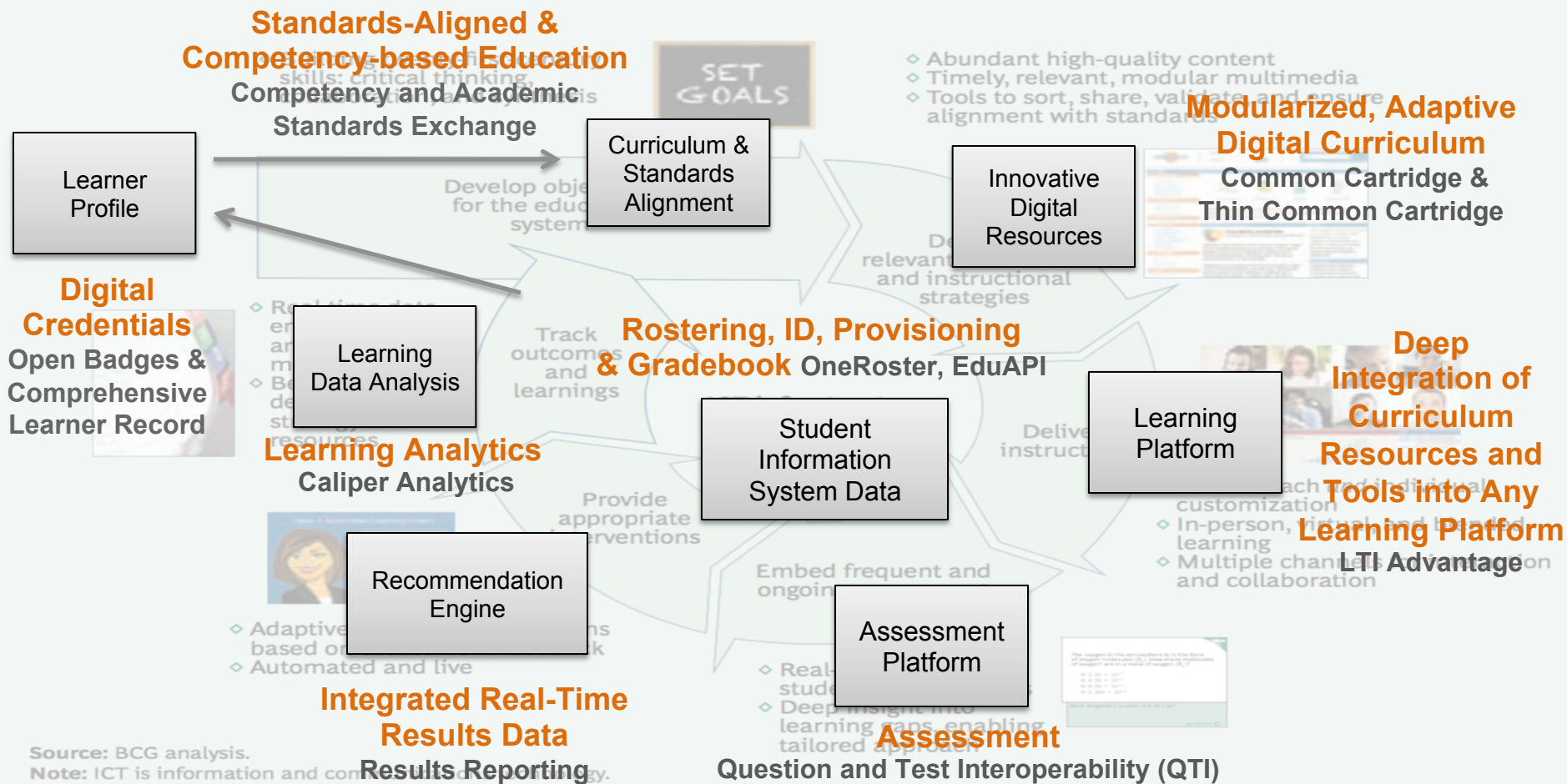
QUESTION & TEST INTEROPERABILITY[®]

CALIPERANALYTICS[®]

OPEN BADGES & COMPREHENSIVE LEARNER RECORD

CASE[®] COMPETENCIES & ACADEMIC STANDARDS EXCHANGE[®]

Exhibit 4. Technology Enables a Closed-Loop Instructional System to Deliver Better Student Outcomes





**DIGITAL
MICRO-
CREDENTIALS**



**LEARNING DATA
&
ANALYTICS**



**INTEGRATED
ASSESSMENT**



**LEARNING
PLATFORMS,
APPS & TOOLS**



**ADAPTIVE
DIGITAL
CURRICULUM**

IMS Global advances **Digital Transformation** in 5 Key Areas

IMS Standards

☐ Common Cartridge

☐ LTI

☐ IWBCFI

☐ LIS

☐ QTI/APIP

☐ Caliper Analytics

☒ OneRoster

☐ OneRoster v1 Certified

☐ OneRoster v1.1 Certified

☐ CASE

☐ OpenBadges

Product Category

Audience



Our Ecosystem is extensive, verifiable and is used today at institutions of all sizes



D2L Corporation

Product:
Brightspace By D2L V10.7.3

OneRoster V1.1 CSV
Rostering Import Bulk



Instructure

Product:
Canvas V2017.7.11

OneRoster V1.1 REST
Data Consumer
Rostering Import Bulk



ClassLink, Inc.

Product:
Classlink OneClick V2016.7.28

OneRoster V1.0 REST
Data Consumer,
Rostering Import Bulk



Product:
ClassLink OneRoster V3.24.2017

OneRoster V1.0 CSV
Export Bulk Only,



Classworks

Product:
Classworks V3.2017

OneRoster V1.1 CSV
Rostering Import Bulk



Clever

Product:
Clever V2017.07.06

OneRoster V1.1 CSV
Resources Export Bulk



Clever

Product:
Clever V2016.9.16
OneRoster V1.0 CSV
Import Bulk Only,
OneRoster V1.0 REST



Authentica Solutions

Product:
DataSense Integration PaaS And Education Data



Learning Tapestry, Inc.

Product:
EASOL Ed-Fi To OneRoster Tool 1.1
OneRoster V1.0 CSV



Pearson Education

Product:
EasyBridge V4.3
OneRoster V1.0 CSV
Import Bulk Only
OneRoster V1.1 CSV



EdWire Inc.

Product:
EdGraph V2017.02.01
OneRoster V1.0 CSV
Export Bulk Only



SunGard K-12 Education

Product:
ESchool Plus V3.X
OneRoster V1.0 REST
Data Provider



ExploreLearning

Product:
ExploreLearning Gizmos
OneRoster V1.1 CSV
Rostering Import Bulk



FastBridge Learning

Product:
FAST V07152016
OneRoster V1.0 REST
Data Consumer



Instructure

Product:
Gauge V2017.7.26
OneRoster V1.1 REST
Data Consumer
Rostering Core



Gwinnett County Public Schools

Product:
GCPS OneRoster API V1.0.0
OneRoster V1.1 REST



Gabbart Communications

Product:
Harmony V17.8.3
OneRoster V1.0 REST
Data Consumer

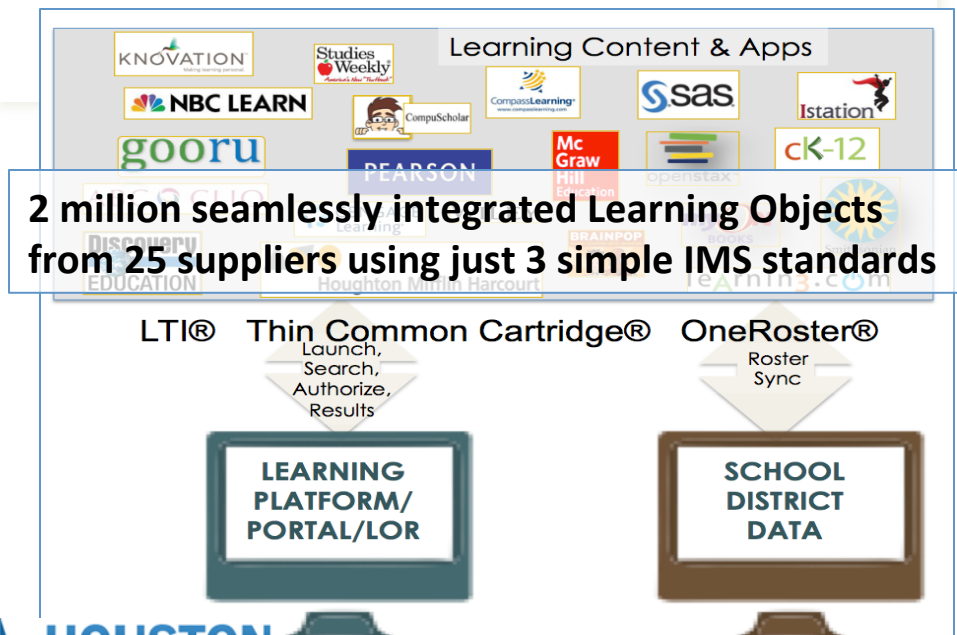
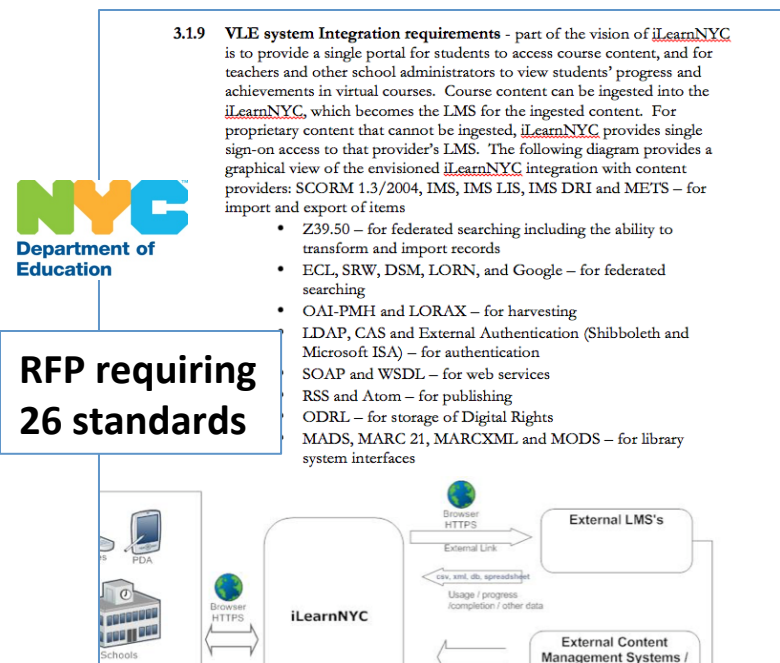


Houston Independent School District

Product:
HISD Standard Roster V1.0

We've Gone From This in 2010:

To This in 2018:



“We rely on IMS-Global to set the standards for how content and data work with our critical district systems and ensure efficiency and longevity of our investment. At this point we are requiring all relevant vendors to be compliant.”

Serena E Sacks,
Chief Information Officer



“

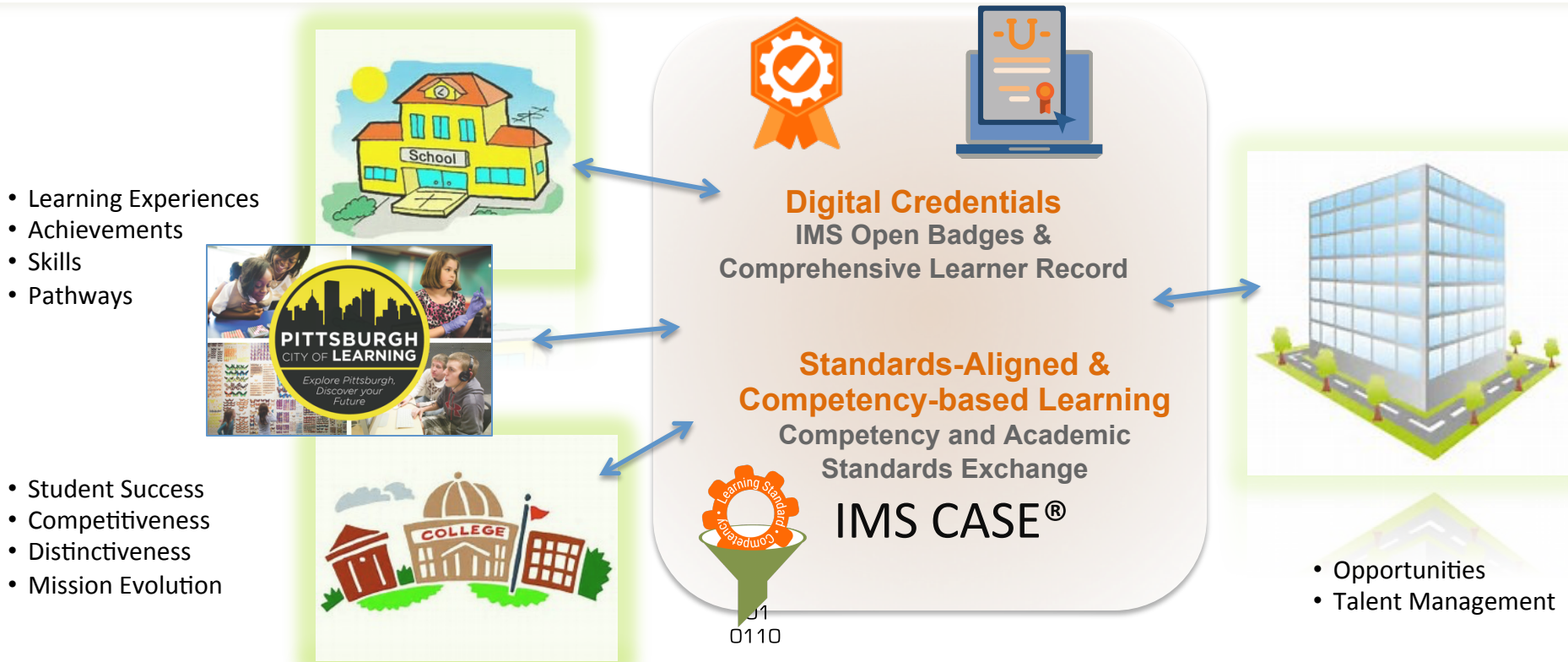
IMS Global standards have been critical to the integration strategy we have been pursuing in the Teaching and Learning space at Michigan. Learning Tools Interoperability (LTI) in particular has reduced associated effort levels and cost by at least an order of magnitude over custom solutions. ”



Sean DeMonner

Director of Enterprise Teaching & Learning
Applications, University of Michigan

IMS Digital Credentials Standards Provide a Better Way to Capture and Align Achievements, Skills, Opportunities



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0110



LEARNING IMPACT LEADERSHIP INSTITUTE

20-23 MAY 2019 | SAN DIEGO, CALIFORNIA





Together We Go Farther Faster

IMS enables districts, states and suppliers to guide and own the evolution of the edtech business ecosystem

In IMS end-user organizations have the power they need to change the industry with the full cooperation of leading suppliers

IMS brings resources that help every institutional member succeed in your digital transformation goals

IMS Europe Success Factors

- ☑ What are the key focus areas for IMS Europe work (of the five previously covered or others)?
- ☑ What are the compelling technical areas for IMS Europe to provide leadership?
- ☑ What are the key markets for IMS Europe to enable (regions, sectors, product categories)?
- ☑ Can IMS Europe enable one or more Ecosystems in those markets?
- ☑ How does IMS enable European organizations in IMS Global and vice versa (enabling global organizations in Europe)?



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Thanks!

Rob Abel Ed.D.

Chief Executive Officer

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