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

Creating the FUTURE EdTech Ecosystem TOGETHER

IMS GLOBAL®
Learning Consortium
Better Learning From Better Learning Technology

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
- ☑ 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/learning sectors: 525+ members, financial support approaching that of Worldwide Web Consortium, multi-sector/global span

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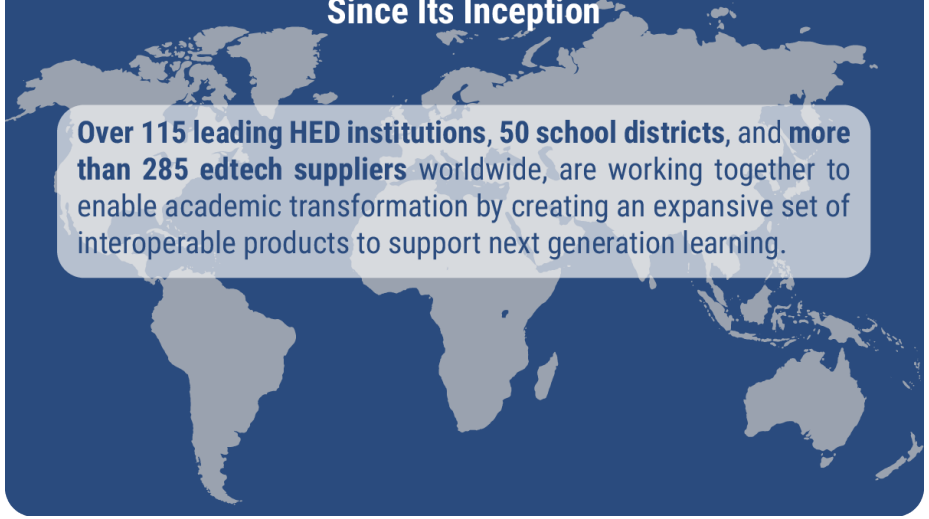
IMS Global Works Collaboratively With Over 25 Partners and Affiliates in the Education Sector

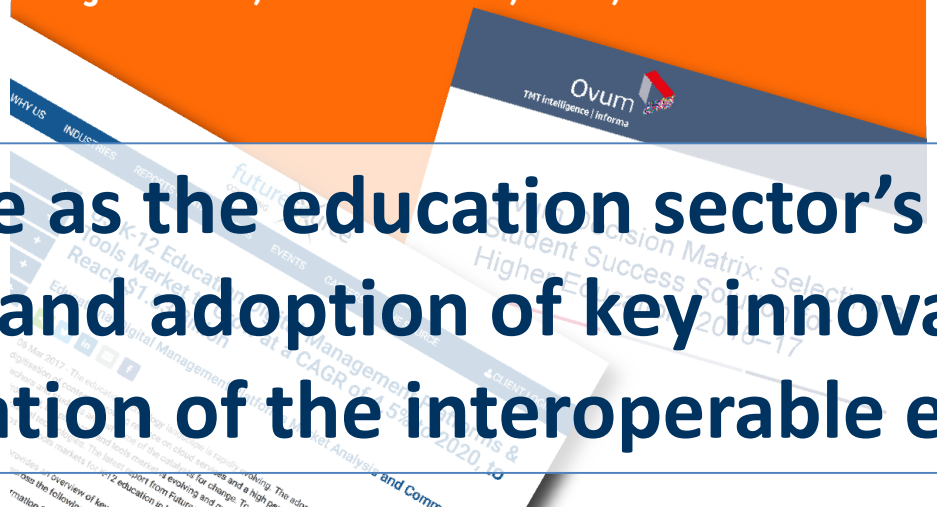
AACRAO: American Association of Collegiate Registrars and Admissions Officers
EUNIS: European University Information Systems
Dublin Core® Metadata Initative
GÉANT
Bill & Melinda Gates Foundation
CNI: Coalition for Networked Information
Association of Public & Land-Grant Universities
Next Generation Learning Challenges
Achievement Standards Network
Ed-Fi Alliance
Online Learning Consortium
W3C
ISTE
MERLOT: Multimedia Educational Resource for Learning and Online Technology
WCET
IEEE: Advancing Technology for Humanity
ISO International Organization for Standardization
Educause
the Learning Counsel
Mozilla
MacArthur Foundation
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, CCSSO

20+ years experience as the education sector's partner in leading the development and adoption of key innovations that have become the foundation of the interoperable edtech ecosystem

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IMS GLOBAL Learning Consortium
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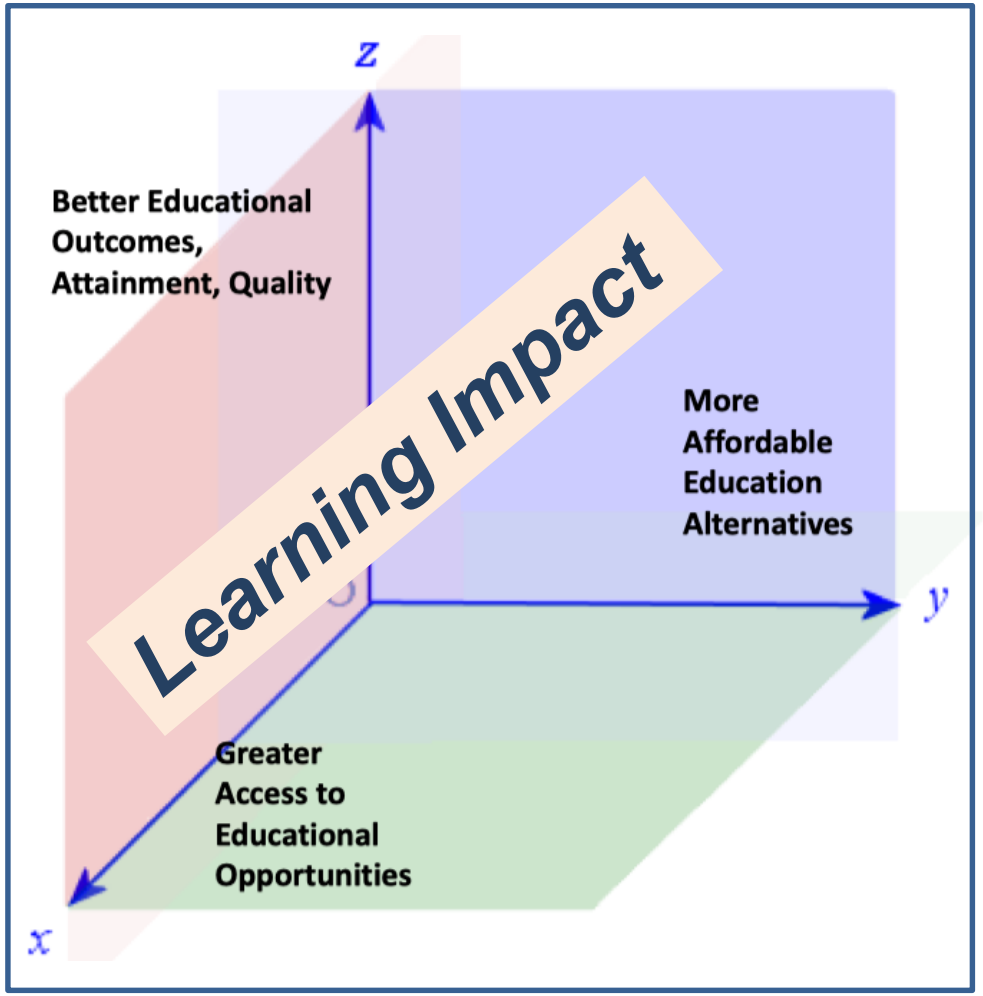
The ***mission*** *of the*
IMS Global Learning Consortium
is to ***advance technology*** *that can* ***affordably scale and improve educational participation and attainment***



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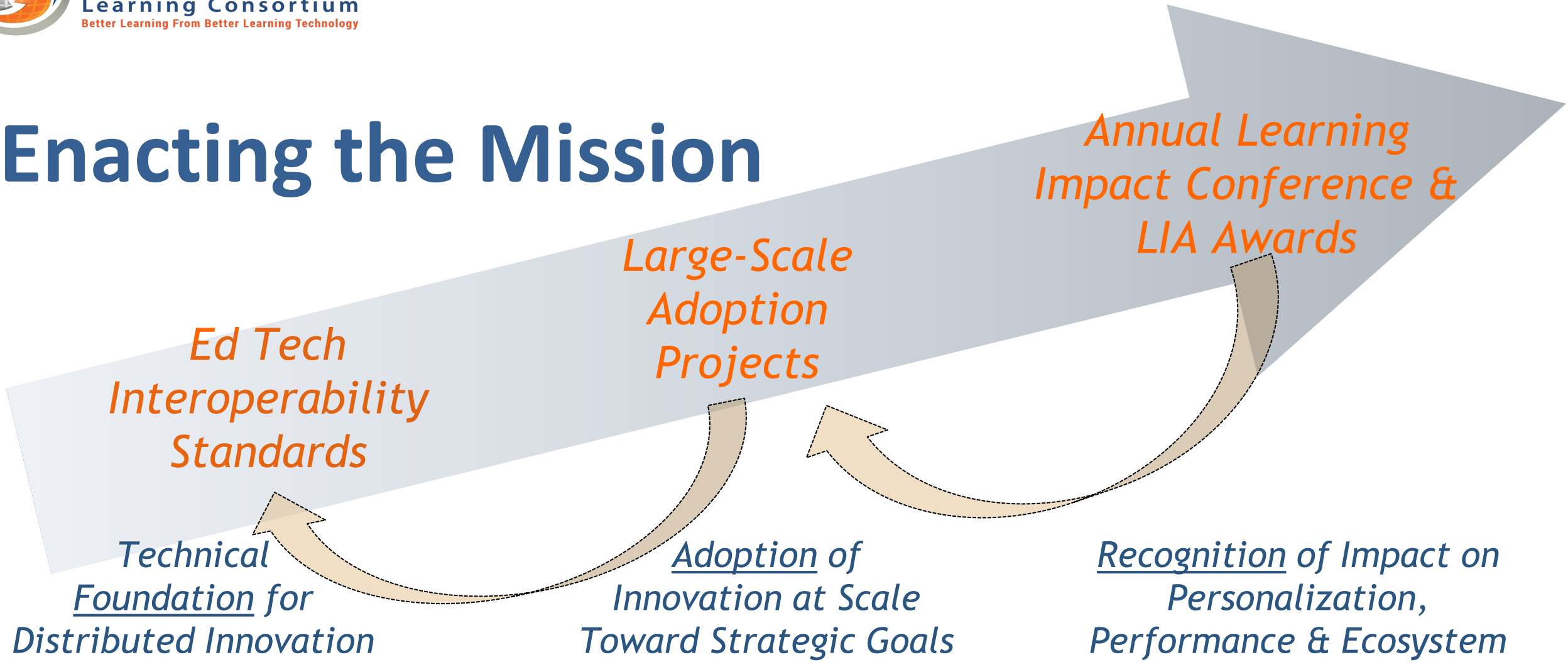
Enacting the Mission



IMS Members Collaborate in Three Essential Dimensions

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We Believe in the Power of Education Sector Collaboration Driving an Ecosystem* of Interoperable Products that Support and Enable Digital Transformation and Innovation

* the software and platforms used to make digital learning possible in a district which might include for example an SIS, an LMS, assessment platform and digital content

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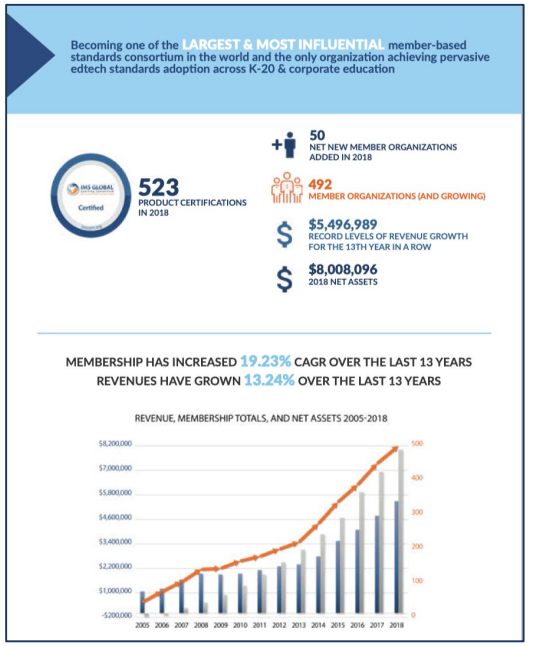
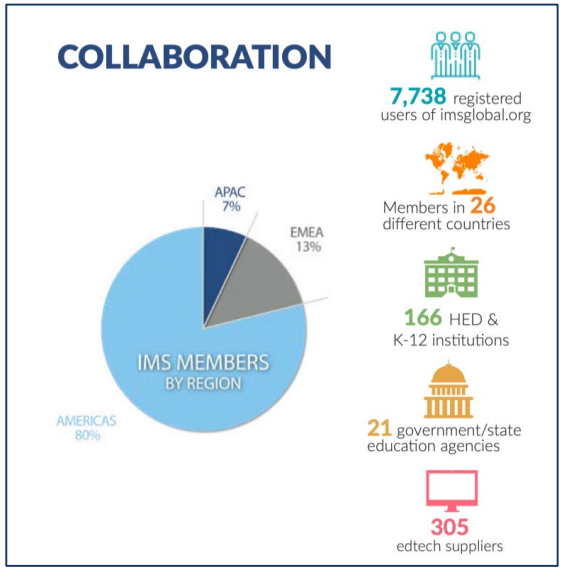
Creating the FUTURE EdTech Ecosystem TOGETHER

2018 ANNUAL REPORT

Fiscal Results and Progress





IMS Conformance Certification:
The Best Way to Implement IMS Standards

The IMS Global community established the certification program to deliver on the value proposition of a trusted, plug-and-play edtech ecosystem. IMS provides code libraries, real-life tests, staff support, and other resources to ensure reliable and consistent product integations—at the lowest possible cost. Visit the IMS Certified Product Directory—the official catalog of products with active IMS certifications guaranteed to meet the IMS standards for which they have passed testing—at imscert.org

In 2019, **210** different learning platforms, apps, and tools achieved IMS certification for atotal of **523** active certifications across all IMS standards.

1691
total individual certifications since the program began

38%
increase in total number of certifications from 2017-2018

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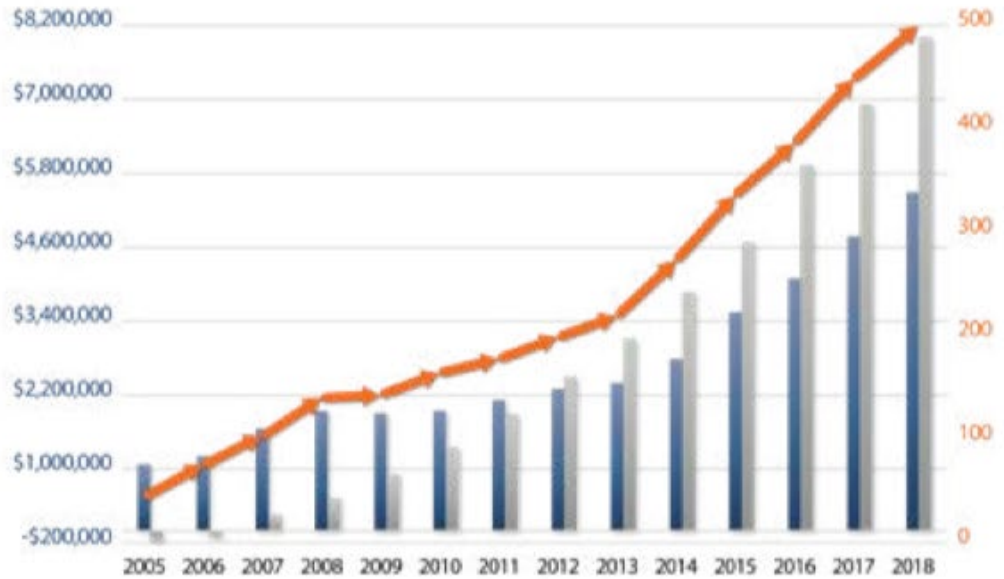
$8,008,096
2018 NET ASSETS

MEMBERSHIP HAS INCREASED 19.23% CAGR OVER THE LAST 13 YEARS
REVENUES HAVE GROWN 13.24% OVER THE LAST 13 YEARS

REVENUE, MEMBERSHIP TOTALS, AND NET ASSETS 2005-2018



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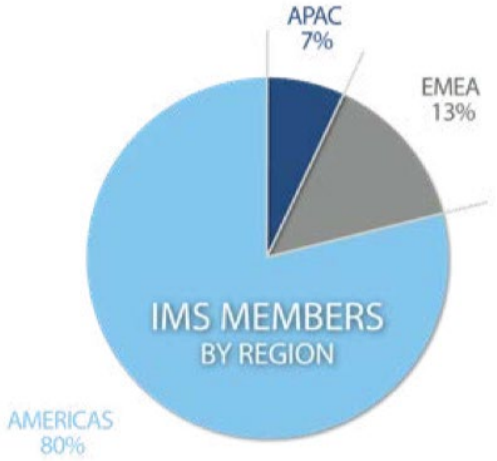
COLLABORATION



7,738 registered users of imsglobal.org

Members in **26** different countries

166 HED & K-12 institutions

21 government/state education agencies

305 edtech suppliers

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IMS Europe Summit 2019

PALAU MACAYA

BARCELONA, SPAIN

10-11 OCTOBER 2019

Get informed, make connections, and learn about IMS community initiatives and technical work shaping the digital learning ecosystem across Europe

Preliminary agenda and sponsor opportunities at imsglobal.org/event/europe2019

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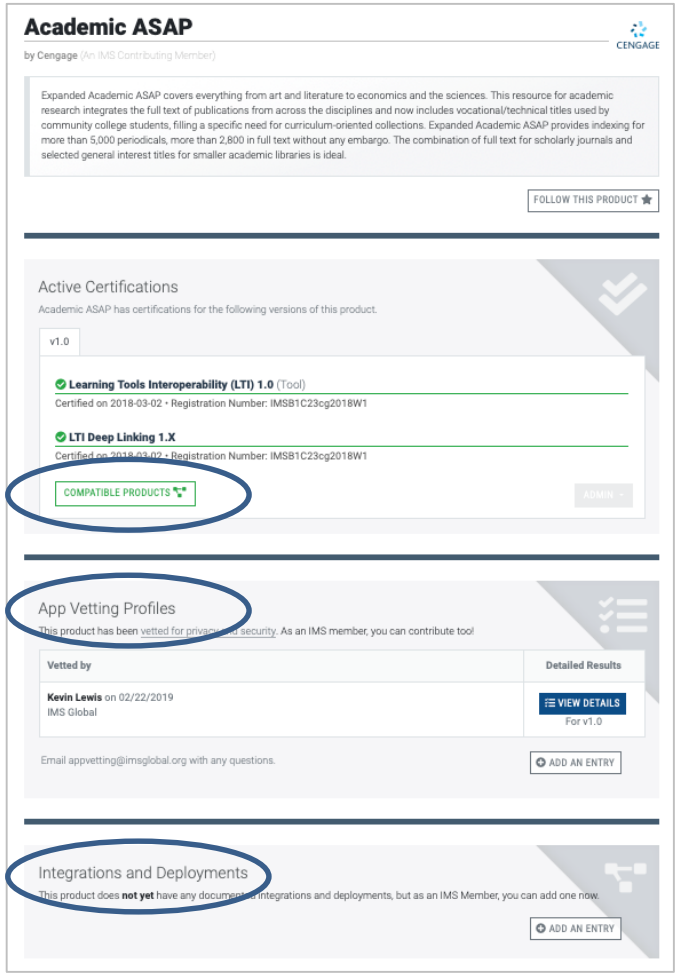
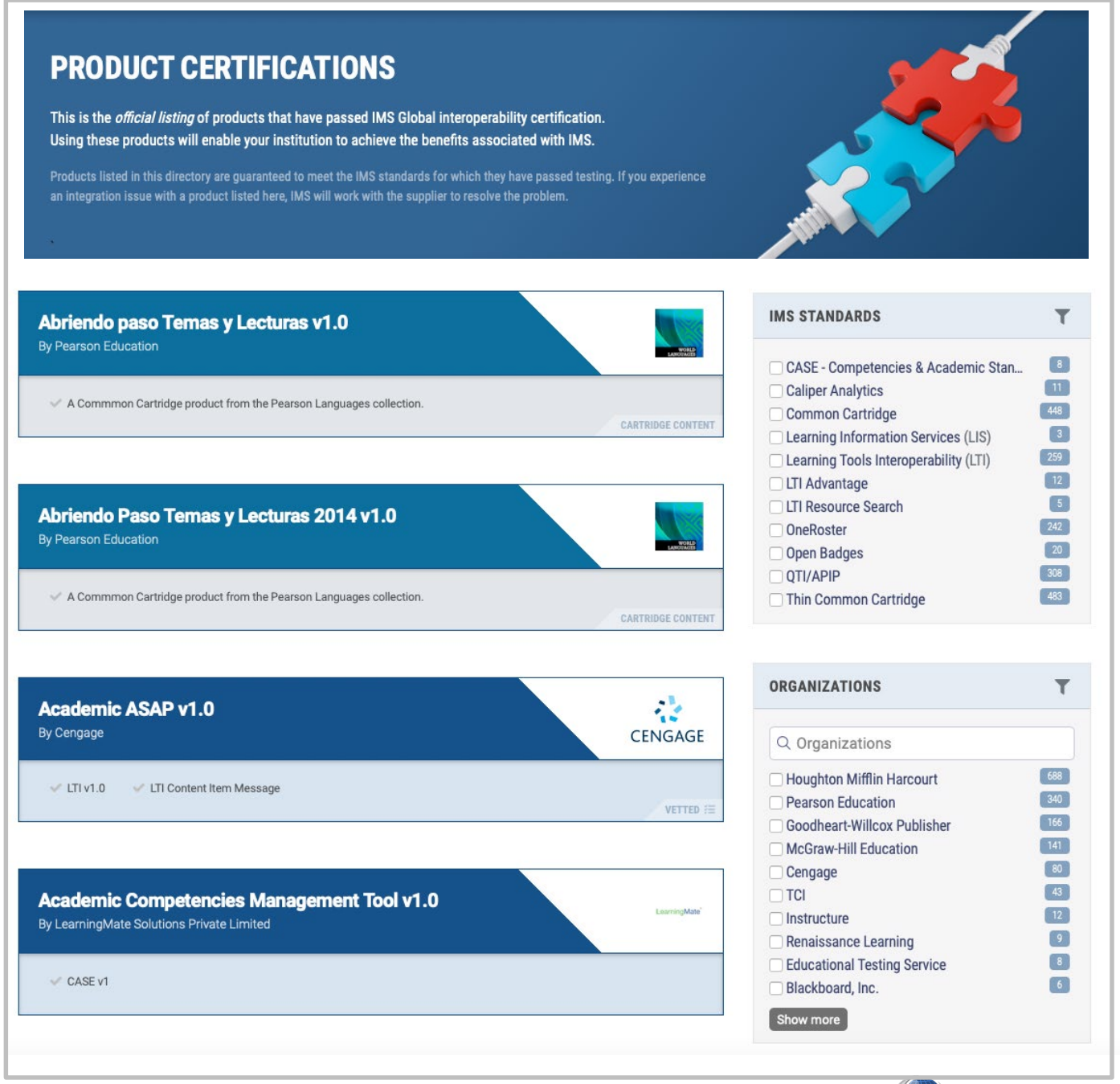
Product Directory

The new front end to the 1EdTech ecosystem: over 1700 products; over 4x increase over this time last year





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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 at scale
- ☑ Expectation that the ecosystem of tools and cooperation go beyond any single platform

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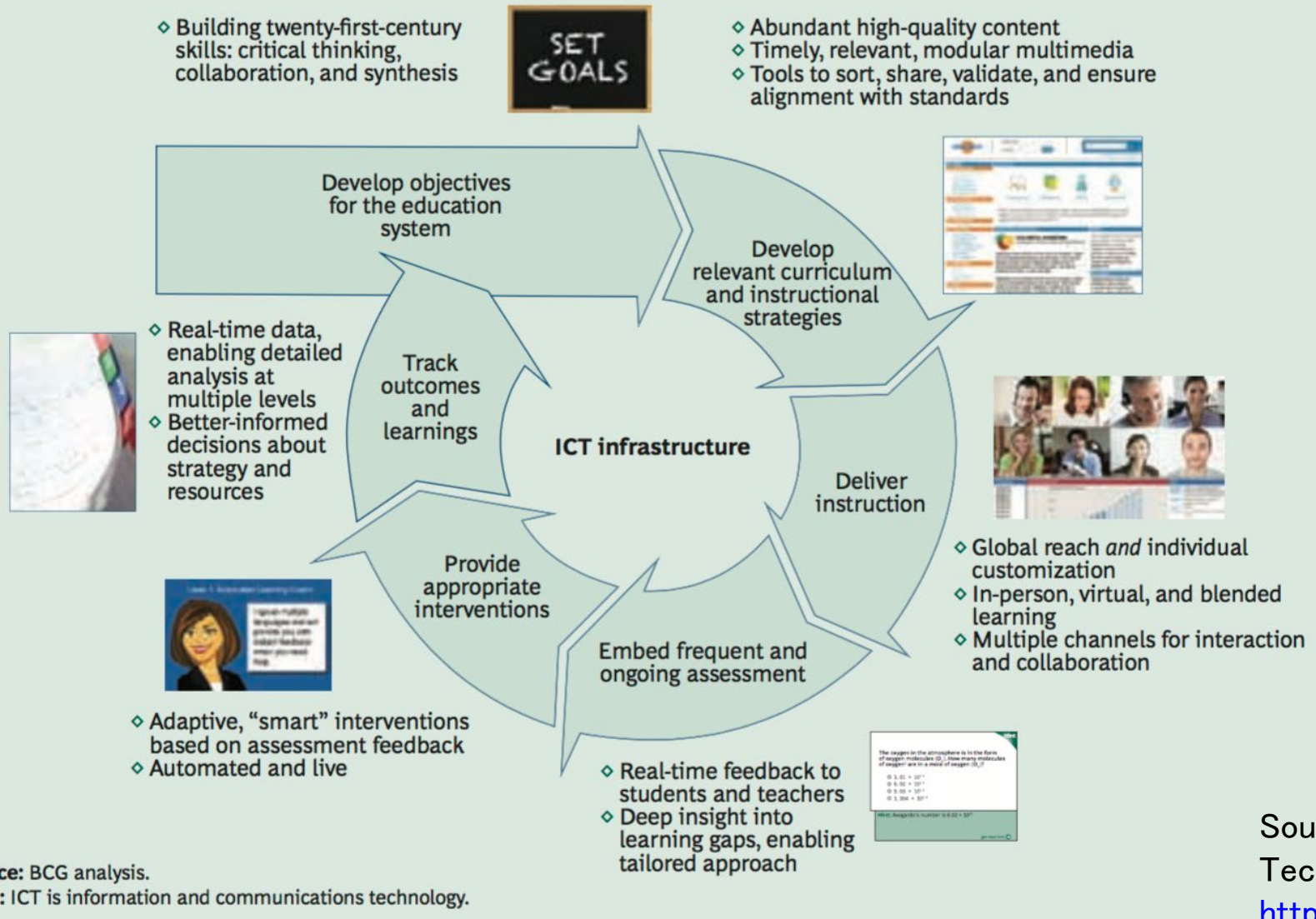
Exhibit 4. Technology Enables a Closed-Loop Instructional System to Deliver Better Student Outcomes



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

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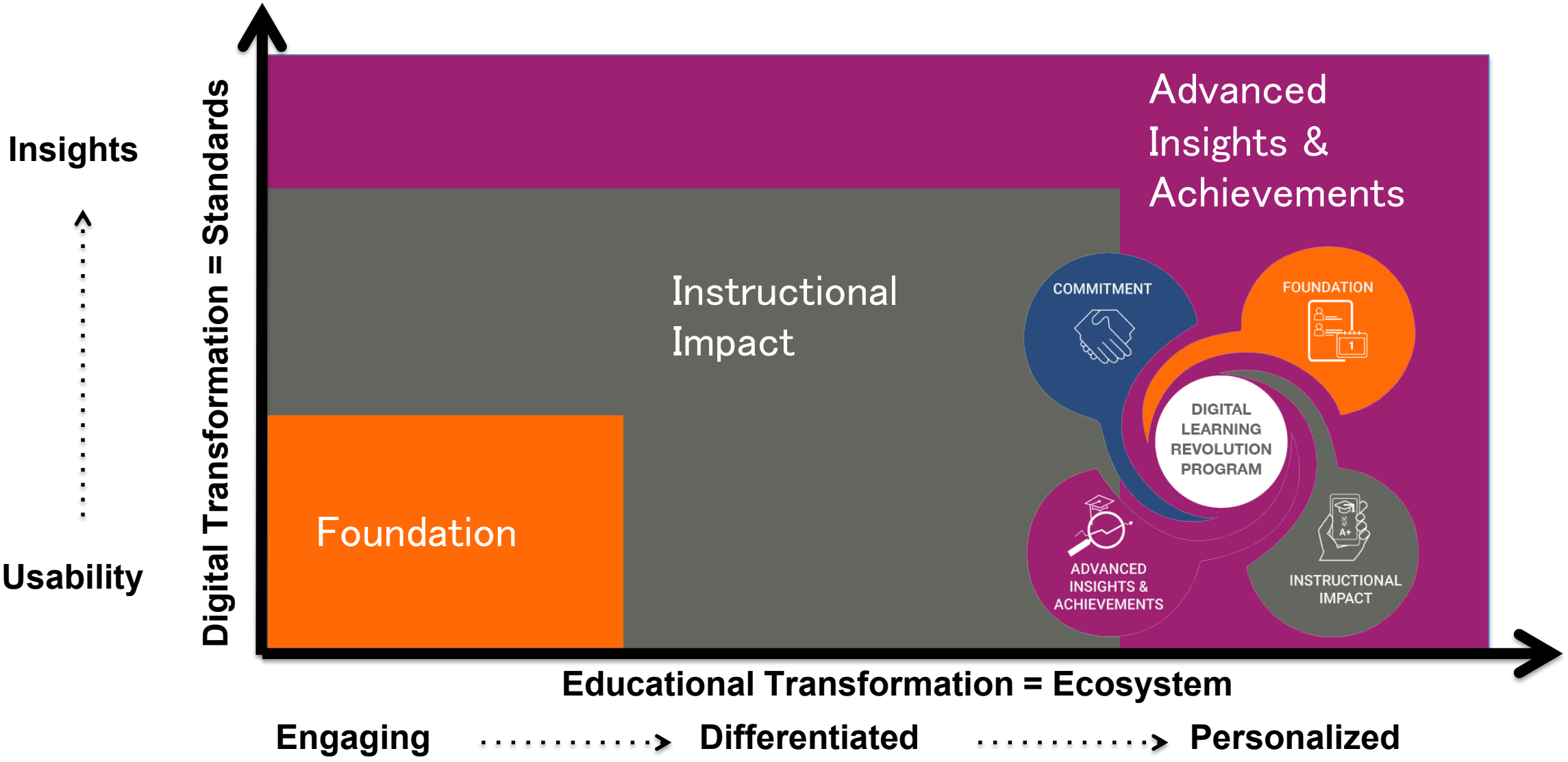
Enabling Transformation in 2–D



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ADVANCING DIGITAL TRANSFORMATION in five key areas

ADAPTIVE DIGITAL CURRICULUM

Packaging learning content from different sources and streamlining the management of digital resources saves valuable instruction time and provides greater choice and flexibility that leads to better learning experiences.

- AccessForAll®
- Common Cartridge® and Thin Common Cartridge Profile
- EPUB for Education
- OpenVideo

DIGITAL CREDENTIALS

Digital credentials are reshaping the way we think about education and professional development by enabling lifelong learner-control of their evidence-based skills and achievements and supporting the transition to standards-based and competency-based learning.

- Badge Connect API
- CASE Network
- Competencies and Academic Standards Exchange® (CASE®)
- Comprehensive Learner Record
- Open Badges

INTEGRATED DIGITAL ASSESSMENT

High-quality, innovative digital assessment that is accessible, adaptive, and safeguarded for integrity, complements the teaching and learning process, enabling effective interventions and continuous improvement.

- Accessible Portable Item Protocol® (APIP®)
- Computer Adaptive Testing
- Question and Test Interoperability® (QTI®)
- Proctoring Services

LEARNING DATA & ANALYTICS

Clickstream learning data from all digital resources—available in real-time and viewable using any dashboard—can help inform student success strategies, institutional academic decisions, instructional design, and provides a common data format for research on student learning.

- Caliper Analytics®
- Edu-API
- Learning Information Services
- LTI Insights
- OneRoster®

LEARNING PLATFORMS, APPS & TOOLS

Scalable, seamless, and secure integration of all digital content, learning tools, and assessment products into an institution's digital learning environment is the most effective way to support next-generation teaching and learning.

- App Vetting & Privacy
- Learning Tools Interoperability® (LTI®)
- LTI Advantage
- LTI Resource Search

Standards As The Shared Ecosystem Platform

LTI® LEARNING TOOLS INTEROPERABILITY®

ONEROSTER®

COMMONCARTRIDGE®

QUESTION & TEST INTEROPERABILITY®

CALIPERANALYTICS®

OPEN BADGES & COMPREHENSIVE LEARNER RECORD

CASE® COMPETENCIES & ACADEMIC STANDARDS EXCHANGE®

Standards-Based Ecosystem Applied to Digital Transformation of Learning Result in Personalized Learning and Institutional Improvement

Standards-Aligned & Competency-based Education
Competency and Academic Standards Exchange

Learner Profile

Curriculum & Standards Alignment

Innovative Digital Resources

Modularized, Adaptive Digital Curriculum
Common Cartridge & Thin Common Cartridge

Digital Credentials
Open Badges & Comprehensive Learner Record

Learning Data Analysis

Learning Analytics
Caliper Analytics

Rostering, ID, Provisioning & Gradebook OneRoster, EduAPI

Student Information System Data

Learning Platform

Deep Integration of Curriculum Resources and Tools into Any Learning Platform
LTI Advantage

Recommendation Engine

Integrated Real-Time Results Data
Results Reporting

Assessment Platform

Assessment
Question and Test Interoperability (QTI)

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

Digital Credentials

Open Badges v2 and Comprehensive Learner Record enable advancement in collection and verification of achievements

Open Badges (OBv2)

> ***Open Badges are the verifiable micro-credentials that fill the gap in traditional transcripts and resumes.***

Open Badges are a specific type of digital badge designed to promote learner-agency principles. Open Badges communicate skills and achievements by providing visual symbols of accomplishments embedded with verifiable data and evidence that can be shared across the web. Open Badges empower individuals to take their learning with them—wherever they go—building a rich picture of their lifelong learning and achievements journey. Thousands of organizations across the world already issue Open Badges, from non-profits to major employers and educational institutions at all levels.

Open Badges are...

PORTABLE
and earner-controlled

VERIFIABLE
records of achievement

DISCOVERABLE
with linked-data structures

Examples of Open Badges

Brandman University	Digital Promise	IBM	Madison College	Purdue University
Skills in the Curriculum	Educator Professional Development	Data Science Program	Dietary Manager Certificate	Department of Chemistry

Click each badge for details.

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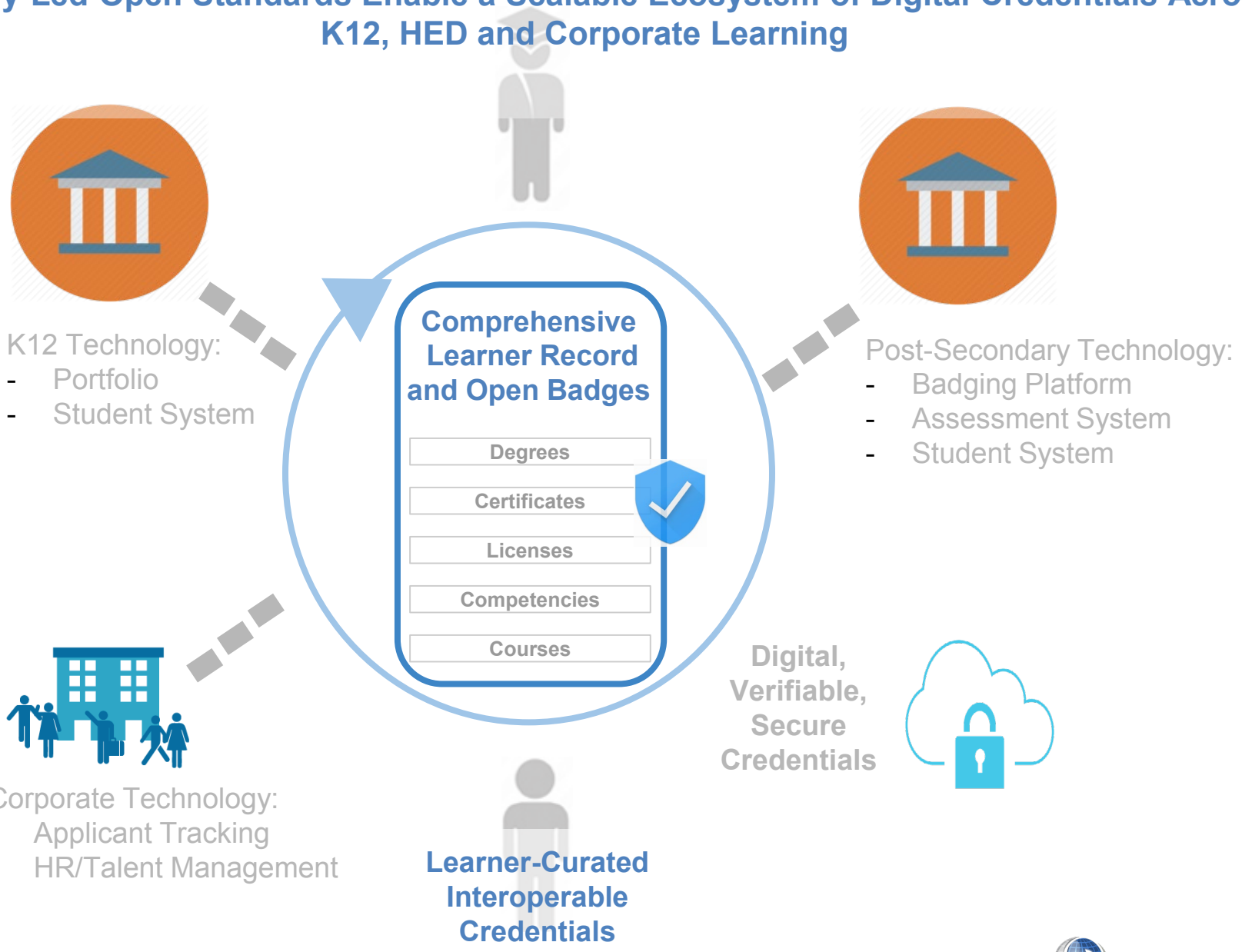
Industry-Led Open Standards Enable a Scalable Ecosystem of Digital Credentials Across K12, HED and Corporate Learning



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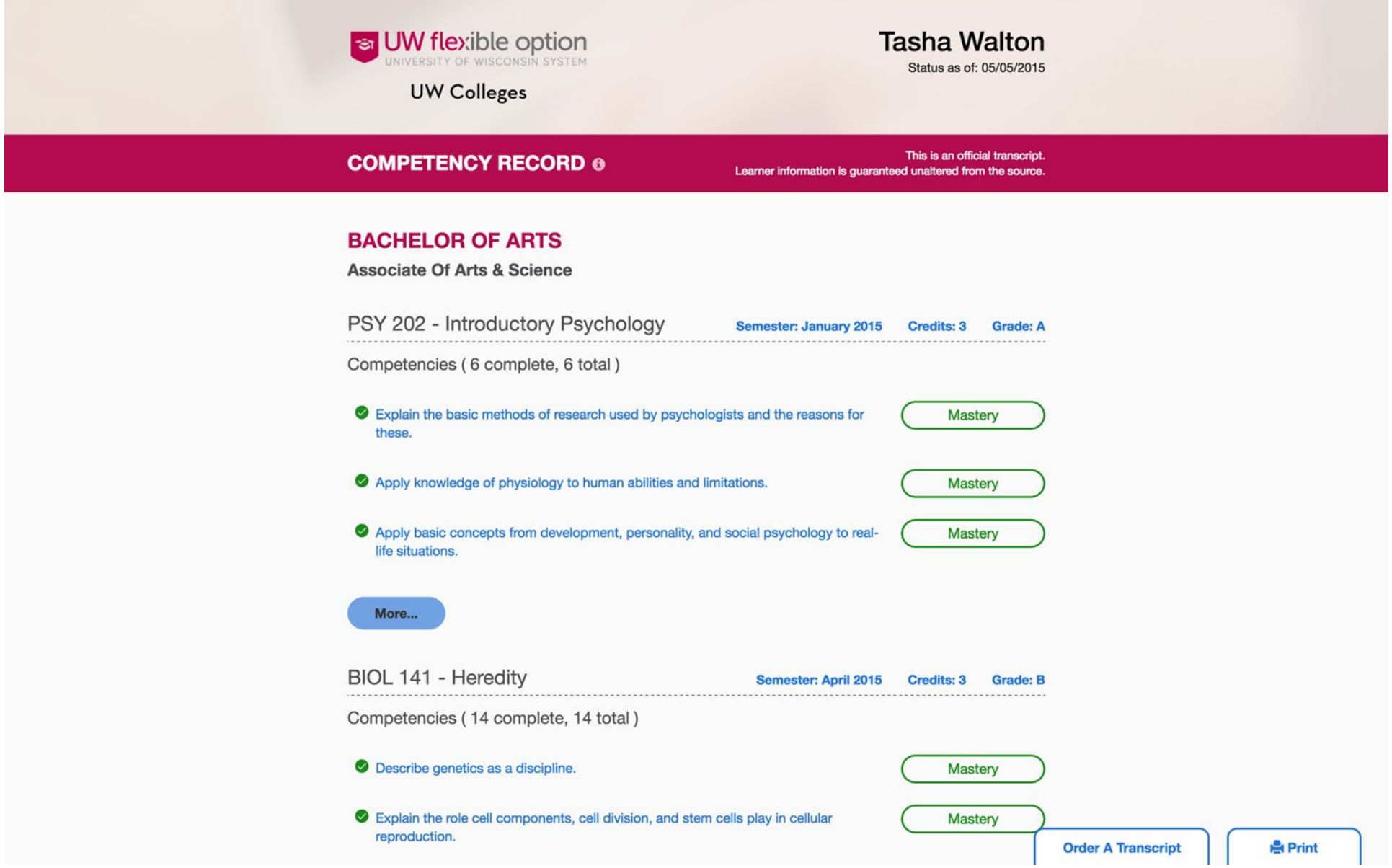

University of Wisconsin Extension Pilot Project Design

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Talent Continuum

Cross-sector leadership group on pragmatic strategies for new educational models and pathways

Integrated Learning Initiative

StanleyBlack&Decker

CAEL
Linking Learning and Work

Education Design Lab

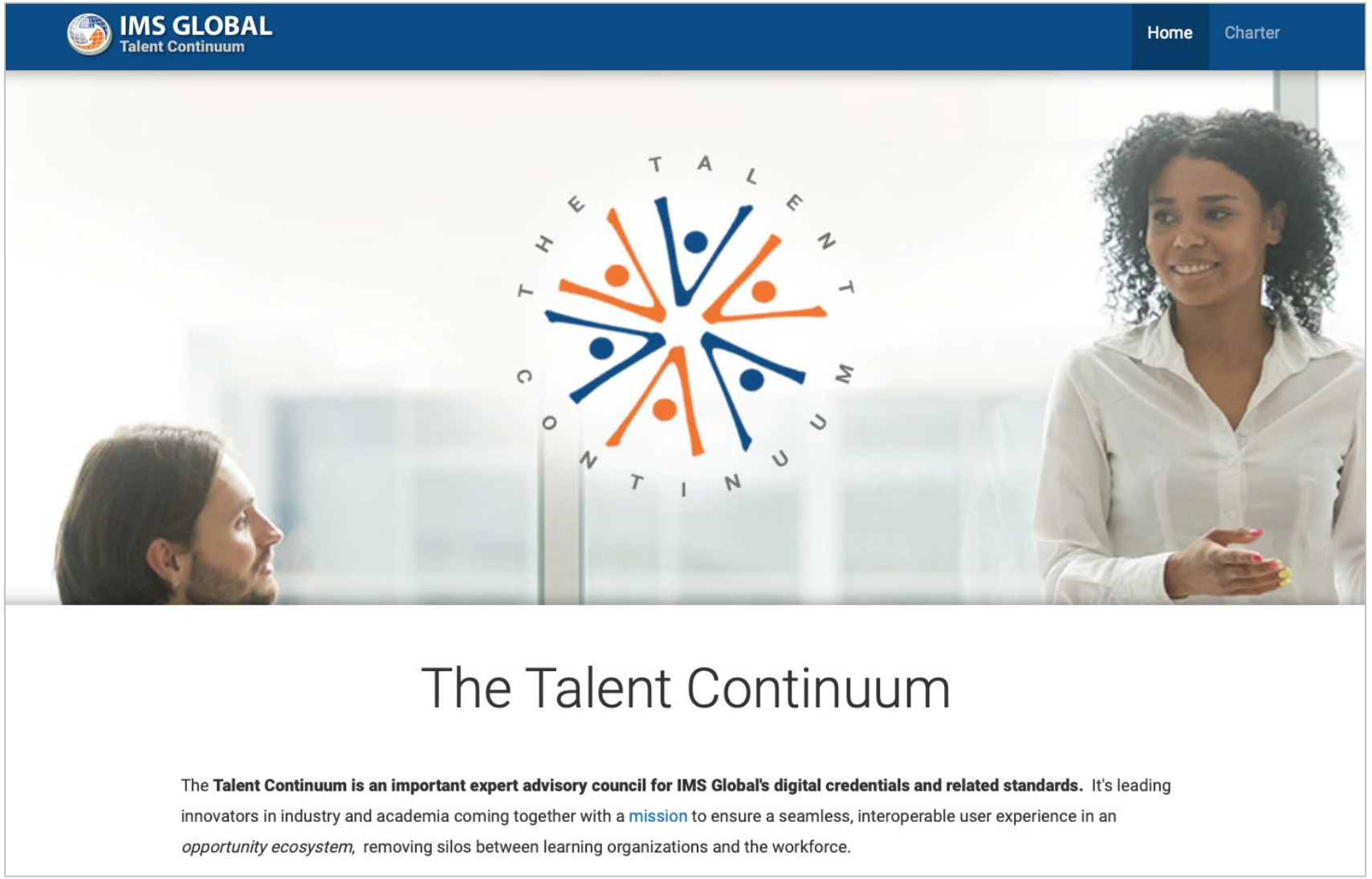
IBM

SAP

edX

Pearson

ACE American Council on Education
CREDIT
College Credit Recommendation Service



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Save the Date

LEARNING IMPACT LEADERSHIP INSTITUTE

18-21 MAY 2020 | DENVER, COLORADO

- Join over 600 decision-makers and innovators across higher education, K-12, government, and ed-tech supplier organizations from around the globe to collaborate and play a significant role in sustainable digital transformation of education
- Twelve program tracks, over 120 breakouts, bootcamps, hackathons and much more to help organizations adopt and leverage IMS edtech innovation ecosystem
- Call for presentations to open in early October
- Details will be available at www.imsglobal.org/lili2020

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2020 Learning Impact Awards Competition

- Global competition to recognize technology projects that demonstrate great potential to improve learning impact
- Call for nominations will open early January 2020
- Finalists selected in February will advance to the final round of competition
- Recognition and presentation of a platinum, gold, bronze or silver medal winners will take place during the 2020 Learning Impact Leadership Institute in Denver
- Winners will be recognized in a press release and in the 2020 Learning Impact Report
- Additional details at https://www.imsglobal.org/lili/awards.html

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Thanks!

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