New Ways of Documenting Student Learning: Comprehensive Learner Records

Roundtable June 29, 2020
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IMS CLR Roundtable: Learn & Lead

- Monthly open forum for institutional leaders
- Focus on strategy, design, and implementation
- All events will be recorded and posted to our website
  https://www.imsglobal.org/event/ims-clr-roundtable-open-public

- Meeting Attendance:
  https://forms.gle/HmVYzZpc6idXtFGv9
Questions?

Please contact Kelly Hoyland

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Advancing teaching and learning through technology that can affordably scale to improve educational access and attainment

Better Learning
From
Better Learning Technology®

https://www.imsglobal.org/lia/2019/report
CLR: Recognition for All Learning

Higher Education
- Co-curricular learning
- Employability and life skills transcripts
- Experiential learning record

K-12
- Progress dashboards
- Mastery and competency-based transcripts

Workplace
- Learning and achievement record
What is a Comprehensive Learner Record?

Higher Education

1. An official institutional record issued to students

2. A record focused on learning that occurs throughout the educational experience:
   ○ Through coursework
   ○ In co-curricular experiences
   ○ In learning experiences that may occur at the same time as the educational experience but outside the institution’s oversight

3. Records may focus on any or all of these but go beyond rosters of courses, activities or experiences to evidence learning
What are we trying to join together?

Curricular experiences (courses, credits, grades)

Learning outcomes by course/program

Learning framework (LEAP, DQP, NACE, etc.)

Student information (identity, biodemographic, status, credentials earned)

Co-curricular experiences (work, internships, leadership, global study, etc.)

Learning outcomes by experience

Degree Audit

CLR
1. Claims of learning must be validated in the same rigorous manner as “graded” outcomes:
   - System of validation must be trustworthy
   - Records must reflect the authority under which learning is claimed:
     - Accreditation
     - Legal authority as a post-secondary institution

2. Learning framework chosen as the summary of what an institution believes to be an educated (or technically trained) person:
   - The record summarizes that learning according to the major areas of the framework
Key concepts for new record formats

3. Self-sovereignty:
   ○ The learner should be able to distribute the record herself to third parties
   ○ This requires the record to be immutable (tamper-evident)

4. Records should be available in parts or in whole, based upon the needs of the learner and receiver:
   ○ Micro-credentials
   ○ Complete records
   ○ Degree/credential validation
   ○ Each learning experience should be its own complete record
Learning in layers – credential layer
Framework Layer

- Critical Thinking
- Written Communication
- Oral Communication
- Information Literacy
- Integrative Learning
- Inquiry & Analysis
- Discipline-specific learning

Evidence Layer

- Dance recital
- Biology course
- Semester at sea
- Upper-level accounting course
- Service learning
- Research project
- Competency-based Marketing module
- Business internship
Research, Creative and Scholarly Activities
- Exposure 2016 Fall | Athletic Training Admin | NATA Annual Symposium
- Exposure 2016 Fall | Applying Psychological Science | Pseudoscience Fair - Booth Materials - SLTR
- Exposure 2016 Fall | Applied Research in London
- Exposure 2016 Fall | Acting Styles 2
- Exposure 2016 Fall | A study of K-12 Computer Science Education in Oklahoma
- Exposure 2016 Fall | A Study of Dominance Hierarchies in African Painted Dogs
- Exposure 2016 Fall | A Handwriting Interface for WellWork.
- Transformation 2016 Fall | DDL TEST Course - DO NOT ENROLL

Service Learning and Civic Engagement
- Exposure 2016 Fall | Biology for Majors | Disappearing Coral Reefs
- Exposure 2016 Fall | Biology for Majors | What about bees? Reflection
- Exposure 2016 Fall | Energy Efficiency Evaluation and Solution Plan
- Exposure 2016 Fall | Central Oklahoma Debate Institute Lab Assistant
- Exposure 2016 Fall | Community Health Nursing

The ePortfolio for this student is http://tinyurl.com/y6b3menh
Ecosystem

Learners must be able to control their data

- K-12 to College
- College to Employment
- Employment to Employment

Data interoperability is key!
Ecosystem

Together, we are building an interoperable CLR ecosystem

Current IMS Initiatives
1. CLR 1.0 standard
2. K-12 (ex: PIVOT)
3. Higher Education
4. Education-to-Workforce (ex: Wellspring)
Consumption of learner information

Diagram:
- Badge or skill stamp
- Digital diploma
- CLR
- Application Intake System
- SIS
- LinkedIn

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Important areas of work

1. CLR Standard
   ○ Developed by IMS Global
     ■ Mostly with institutions that are part of C-BEN
     ■ Many of these partners were also in the Lumina CLR project in phases I and II
   ○ Reviewed by AACRAO
   ○ The only standard available today that meets the needs of a CLR to be transmitted across a network (SPEEDE, NSC, Parchment, etc.)
   ○ Need to document the implementation of these records into the standard and provide an implementation guide that gives greater context to how the standard is applied to various academic and co-curricular learning experiences:
     ■ Courses and their associated learning outcomes
     ■ Program learning outcomes
Important areas of work

2. T3 Network
   ○ Founded and coordinated by the United States Chamber of Commerce Foundation
   ○ Has taken the point position on interfacing with federal initiatives on digital credentials (ILR)
   ○ Working to develop pilot projects for how digital records can be exchanged and consumed:
     ■ Higher and postsecondary technical education
     ■ Military
     ■ Corporate certifications
     ■ Portfolio assessments (PLE/PLA)
   ○ Engaged the Digital Records Consortium (MIT) and the CLR projects to on a common pathway forward
Question & Answer
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How are Open Badges and CLR different, the same, and how do they work together?
Question & Answer

Is there any value for an institution or learner in generating a CLR that doesn't have anything besides your traditional courses?
What tools are available for organizations that want to get started generating CLR s for their learners?
How would different records be pulled into one?

- How do multiple undergraduate, undergraduate, then an industry certification end up on a single record?

- Do they end up on a single CLR?
How does the CLR fit into the mix of the former interoperable learning record which is now the learning employment record - the LER from the American Workforce Policy Advisory Board?
The CLR 1.0 standard defines a data model + secure API for student achievement data

imsglobal.org/clr
CLR 1.0 is free and available to all
CLR 1.0

Supports variety of learning achievements
- Courses and grades
- Co-curricular skills
- Competencies and academic standards
- Open Badges
- more!

Evidence
Verification
Machine-readable
REST-based API with OAuth2 security

imsglobal.org/clr

CLR 1.0 is free and available to all
CLR 1.0

Current Status
- Early adopters are now implementing
- Developer tools are available

Contact IMS for in-depth orientation
imsglobal.org/contact

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CLR 1.0 is free and available to all
Question & Answer
IMS CLR Roundtable: Learn & Lead

● Join us next time
  ○ Models for How to Strategize Your CLR Readiness
  ○ Date: July 27, 2020 at 11:30 ET
  ○ Panelists:
    ■ Susan Donat, Messiah College
    ■ Mark McConahay, Indiana University
    ■ Meena Naik, University of North Texas
  ○ https://www.imsglobal.org/event/ims-clr-roundtable-open-public

● Meeting Attendance:
  https://forms.gle/HmVYzZpc6idXtFGv9