

### New Ways of Documenting Student Learning:

# **Comprehensive Learner Records**

Roundtable June 29, 2020









### New Ways of Documenting Student Learning:

# **Comprehensive Learner Records**

Roundtable June 29, 2020



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Director, AACRAO



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Program Manager, IMS

### 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 <a href="https://www.imsglobal.org/event/ims-clr-roundtable-open-public">https://www.imsglobal.org/event/ims-clr-roundtable-open-public</a>
- Meeting Attendance: <u>https://forms.gle/HmVYzZpc6idXtFGv9</u>



# Questions?

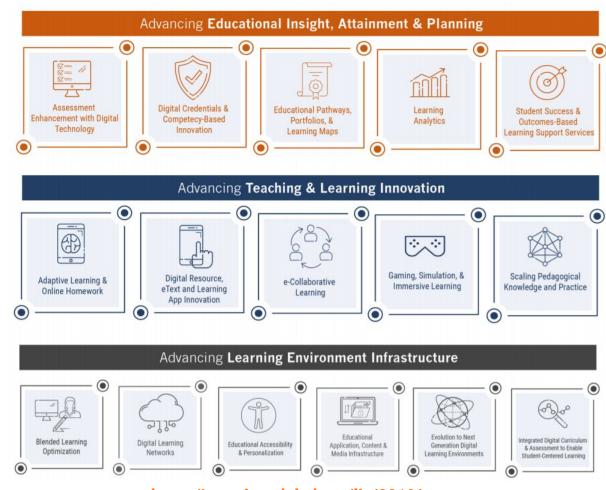
# Please contact Kelly Hoyland khoyland@imsglobal.org



### **IMS Global Learning Consortium**

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

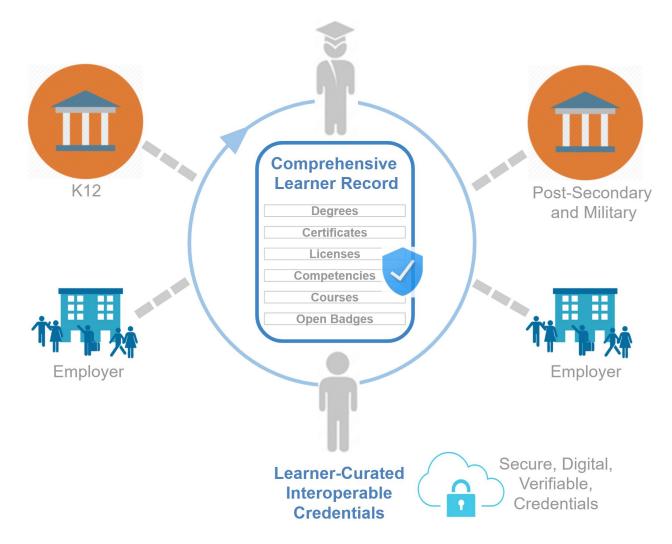
Better Learning
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https://www.imsglobal.org/lia/2019/report



## **Digital Credentials Ecosystem**





### **CLR: Recognition for All Learning**

### **Higher Education**

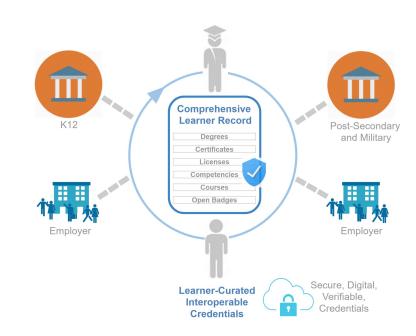
- Co-curricular learning
- Employability and life skills transcripts
- Experiential learning record

### K-12

- Progress dashboards
- Mastery and competency-based transcripts

### Workplace

Learning and achievement record





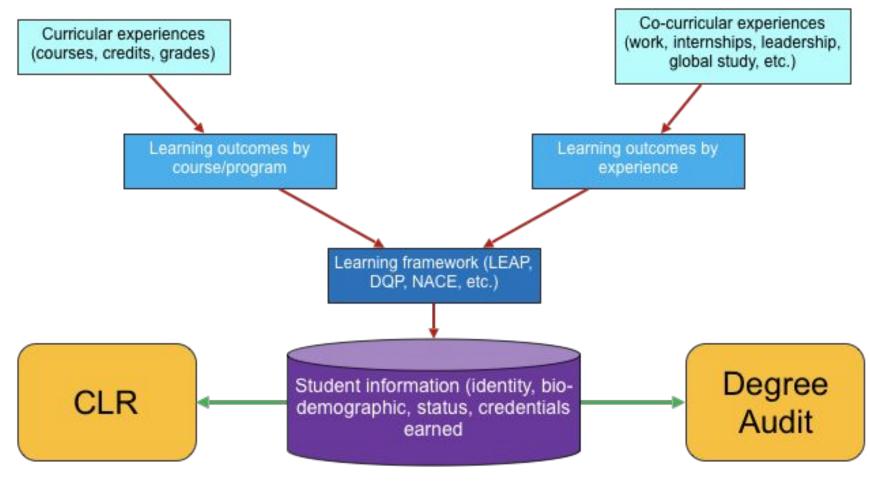
### What is a Comprehensive Learner Record?

### **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?





### **Key concepts for new record formats**

- 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

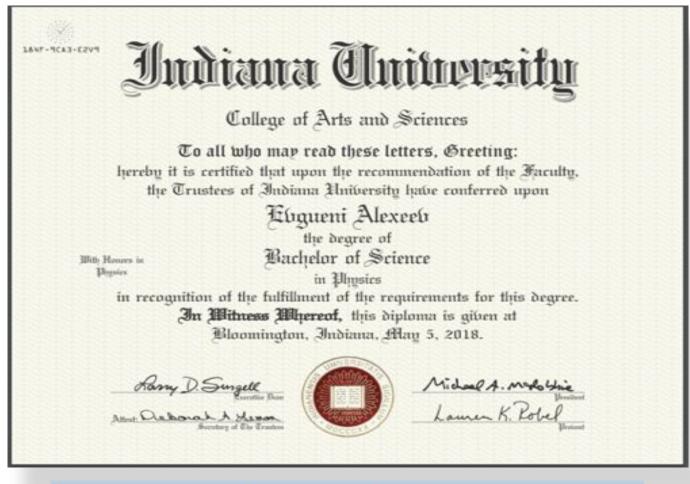


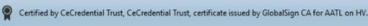
### **Key concepts for new record formats**

- 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

### Credential Layer



Oral Communication

Information Literacy

Integrative Learning

Inquiry & Analysis

Discipline-specific learning

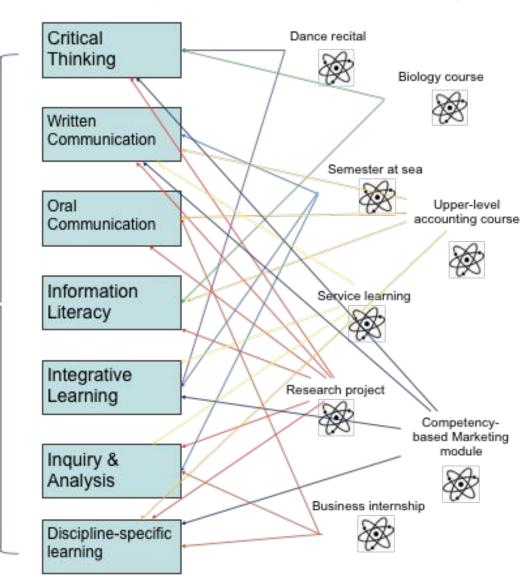


### Framework Layer

### Evidence Layer











#### **ELON EXPERIENCES VISUAL TRANSCRIPT**

Elon University-validates all information presented on a student's Elon Experiences Transcript. Validation occurs within each program responsible for the experiences and is then maintaned in a centralized system. Students do not personally enter any experiences onto their Elon Experiences Transcript. The Elon Experiences Transcript is an official document of Elon University. For more information about the Elon Experiences Transcript visit our site.

#### STUDENT INFORMATION

NAME JOHN S. DOE

DEGREE B.SC

MAJOR APPLIED MATHEMATICS

COMPUTER SCIENCE

COMPLETE 28TH OF NOVEMBER 2016















#### **EXPERIENCE TIMELINE**

SUMMARY OF ELON EXPERIENCES







### **ACADEMIC COURSES**

### BIO 105 CUPRENT ISSUES IN BIOLOGY COM 266 THE FELLOWS EXPERIENCE ANT 380 SPECIAL TOPICS IN ANTHROPOLOGY EDU 467 EARLY CHILDHOOD POLICY & ADVOCACY GEO 374 GEOGRAPHY

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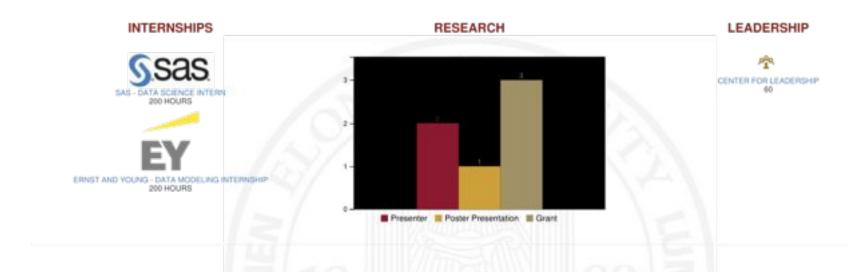
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parchment

Rochney S. Parks





parchment

Rochney S. Parks

Buddy Broncho \*20211870 8/8/2018



University of Central Oklahoma 100 North University Drive Edmond, OK 73034

The purpose of this Student Transformative Learning Record Snapshot is to provide a visual representation of this student's achievement in the University of Central Oklahoma's (UCO) Tenets of Transformative Learning. This student's educational experience at UCO has resulted in achievements at the exposure, integration or transformation levels as indicated below. See the key on the final page of this document for short descriptions of what these levels of learning indicate with regard to student knowledge and experience. Those experiences have been assessed and validated by trained faculty and professional staff members at the University.



Health and Wellness Transformation	
Integration Exposure PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	,12

> Exposure 2016 Fall | Appl Database Management

> Exposure 2015 Fall | TRC Test | Leadership

- Exposure 2016 Fall | Applied Horn
- > Exposure 2016 Fall | Beginner Workout at the Wellness Center

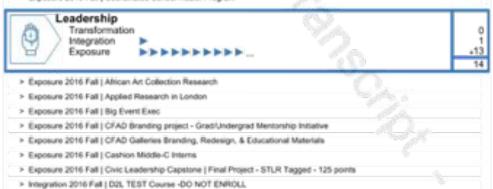
> Exposure 2016 Fall | Vox Populi: Subjectivity and the Voxoes of the Poor

> Exposure 2016 Fall | World Literature I | STLR Badge Global Cultural Competency

> Exposure 2016 Fall | American Literature To 1865 | Paper 2: How Texts are Shaped by Culture

> Integration 2016 Fall | American Literature To 1865 | Paper 2: How Texts are Shaped by Culture2

- > Exposure 2016 Fall | Community Outreach for Children with Developmental Disabilities and their Families
- > Exposure 2016 Fall | Coordinated School Health Program





Exposure 2016 Fall | Central Oklahoma Debate Institute Lab Assistant

> Exposure 2016 Fall | Community Health Nursing

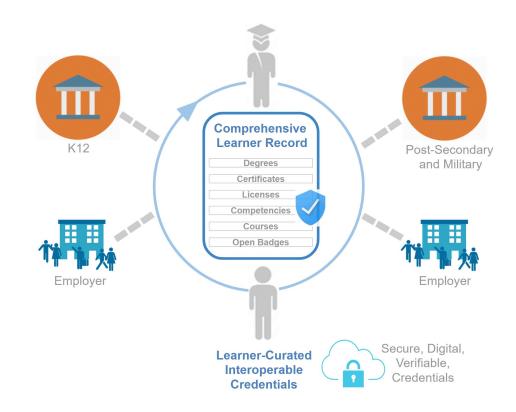
The ePortfolio for this student is http://tinyurl.com/y883tnrh

### **Ecosystem**

# Learners must be able to control their data

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

Data interoperability is key!



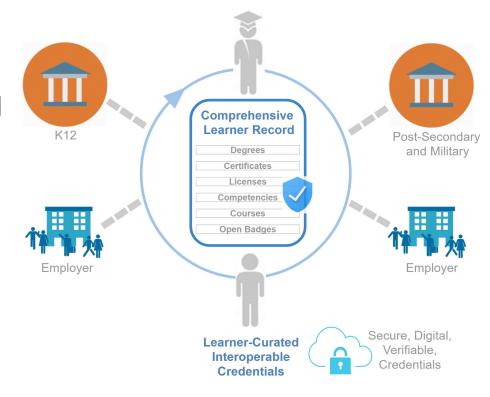


### **Ecosystem**

# Together, we are building an interoperable CLR ecosystem

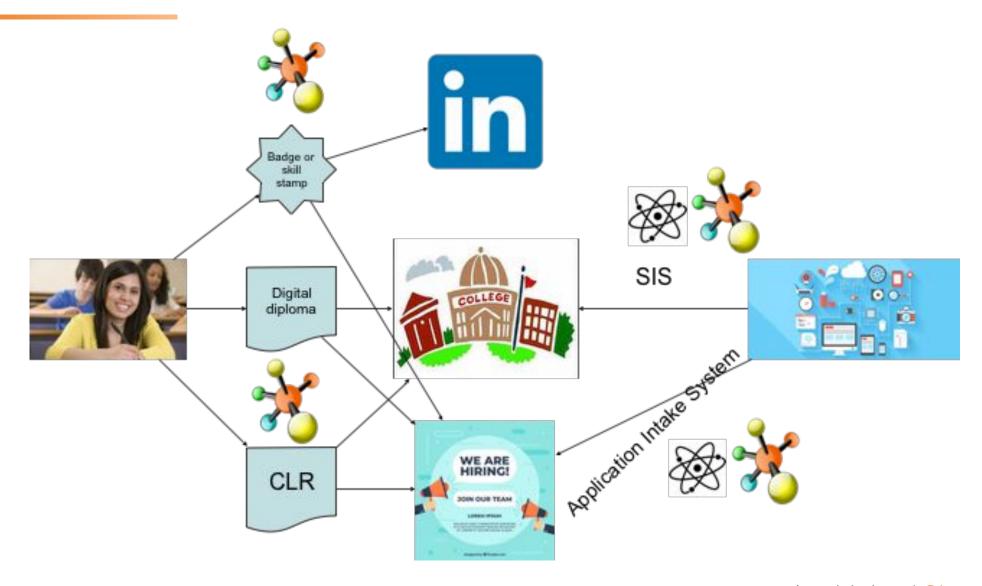
### **Current IMS Initiatives**

- 1. CLR 1.0 standard
- 2. K-12 (ex: PIVOT)
- 3. Higher Education
- 4. Education-to-Workforce (ex: Wellspring)





## **Consumption of learner information**

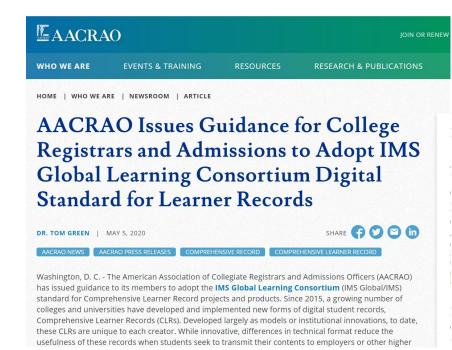


### Important areas of work

### 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

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### 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







How are Open Badges and CLR different, the same, and how do they work together?



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 CLRs 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?



### **CLR 1.0**

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

IMS GLOBAL
Learning Consortium

IMS Comprehensive Learner Record Service Information Model Version 1.0

#### IMS Candidate Final Version 2.0

Date Issued: May 21

Latest version: <a href="http://www.imsglobal.org/clr/">http://www.imsglobal.org/clr/</a>

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Document Name: IMS Comprehensive Learner Record Service Information Model v1.0

Revision: May 21, 2020

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#### Abstract

The IMS Comprehensive Learner Record (CLR) Specification has been designed to create, transmit, and render an individual's set of



### **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



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### **CLR 1.0**

### **Current Status**

- Early adopters are now implementing
- Developer tools are available

Contact IMS for in-depth orientation <a href="imsglobal.org/contact">imsglobal.org/contact</a>

### imsglobal.org/clr

CLR 1.0 is free and available to all



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### 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
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