



Opportunities with the Learn & Work Ecosystem Library 1EdTech Webinar | August 13, 2024

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How Is Searching Changing?

✓ To Google or Not ... That is the Question
✓ Click from website to website? (problems with some websites)
✓ Getting on board with AI bots (pros / cons)
✓ Shortcuts like the Library or best to use "all of the above"?



ECOSYSTEM LIBRARY =

Topics

- Poll
- Library Overview
- Topics of interest to query Library in live search
- Discussion: How and where do you acquire information now, and how helpful are their resources for meeting your information needs?

Learn & Work • ECOSYSTEM LIBRARY •

Poll

Are you familiar with the Learn & Work Ecosystem Library (visited at least once in last 6 months)?

- **U** Yes
- 🛛 No
- □ Yes, but it's been longer than 6 months since my visit

What are your top information sources for news and developments in learn-and-work ecosystem?

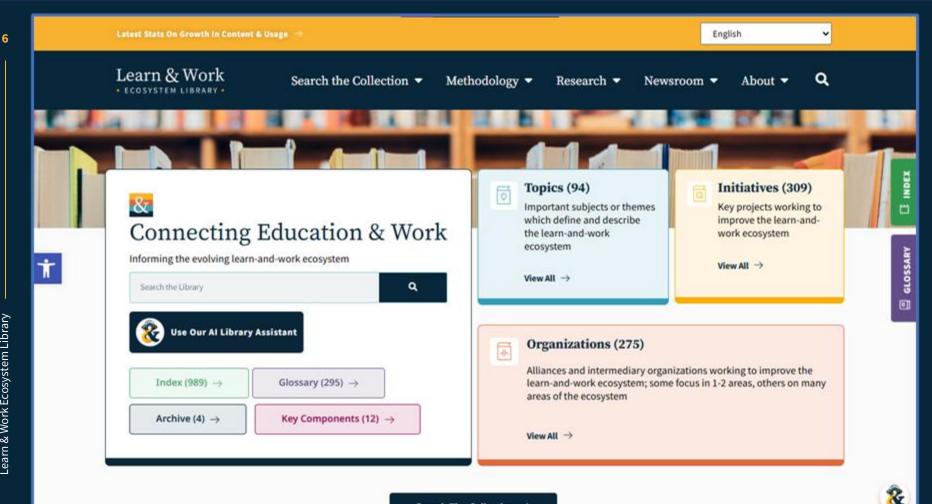
- □ Industry or trade newsletters?
- □ LinkedIn or other social media?
- **RSS Feeds?** (aggregator feeds for news and events from your favorite websites, blogs, podcasts)
- □ Internet search engines?
- □ Individual website searches?
- **Google news alerts or comparable service**
- □ None of these

Which topics (if any) would you be interested in checking out in a search at the Library?

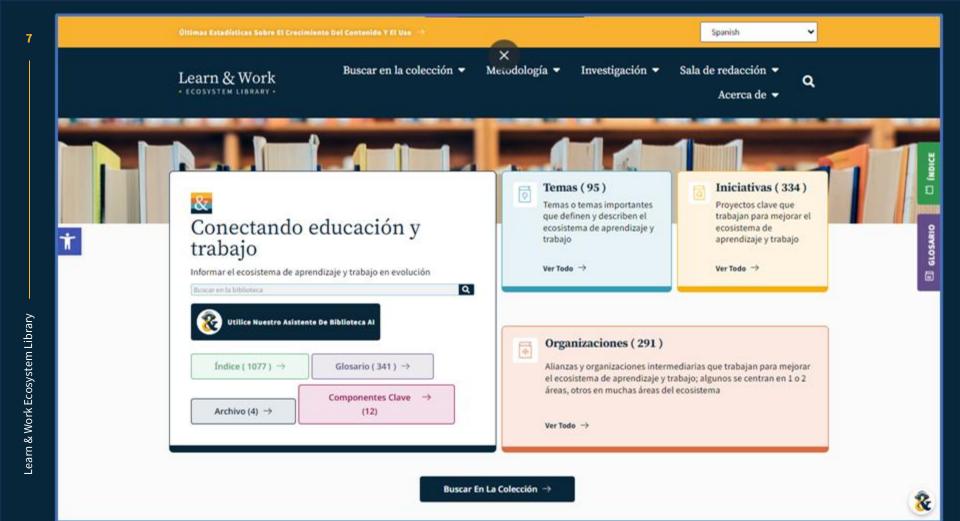
- **Identify opportunities for collaboration with other organizations, projects**
- □ Find frameworks/models/playbooks/etc. to guide work
- **Contribute new content for the library collection**
- □ Identify trends and understand the state of the ecosystem
- **Identify gaps in research or implementation for future efforts**
- **Don't know or None**



When you go to the Library, you'll see the main page . . . You can pick your language of choice



Learn & Work Ecosystem Library





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You'll see the organization of content, by 12 key components of learn-and-work ecosystem

12 Key Components of Learn-and-Work Ecosystem

- All components must be connected and coordinated so that INDIVIDUALS can move seamlessly through marketplace using a variety of credentials to communicate the skills and knowledge acquired in multiple settings (school, work, service, self-study)
- SCHOOLS can count learning obtained outside of academic settings toward a degree or other credential
- **EMPLOYERS** have more detailed and externally-validated information for hiring, reskilling, and upskilling workers
 - **PUBLIC** is informed about the learn-andwork ecosystem



12 Key Components of Learn-and-Work Ecosystem



Types of Content

12

Learn & Work Ecosystem Library

Topics

Important subjects or themes which define and describe the ecosystem



Initiatives

Key projects working to improve components of the learn-and-work ecosystem



Organizations

Alliances / intermediaries working to improve component of the learnand-work ecosystem

Index

Searchable A–Z listing of all 1000+ Library artifacts

Glossary

Key vocabulary terms and concepts are defined and alternate terms are identified



Key Features

- Special Project User Case Project
- Newsroom for articles, blogs, other
- Curation by librarian
- Links to external websites for all key content
- Timestamping to indicate recency of content
- Digital accessibility compliance for disabled users
- Content availabile in multiple languages

- Search options: key word, filter by stakeholders and types of content, AI Library assistant chatbot for natural language queries and synthesis
- About section: describes the why, how, and what around the library, staff team, national advisory board, commitment to open access (creative commons license), wiki model that invites community participation

Going Live ...



Growth of content since Library launch 12/1/2022

Growth in Content

	<u>12/1/22 Launch</u>	<u>08/12/24</u>
Key Components	12	12
Subcomponent Topics	71	95
Glossary Terms		350
Initiatives (Projects)	88	342
Organizations	118	292
Relational Maps (in developmen	t)	13
	286	1,104
New content/wiki request forms		33
Correction requests		23



Growth of users since Library launch 12/1/2022

Growth in Users

12/02/22

668 distinct tracked users

08/12/24

27,825 distinct tracked users
3,700 repeat visitors
39,581 sessions
68,055 page views
666 downloads

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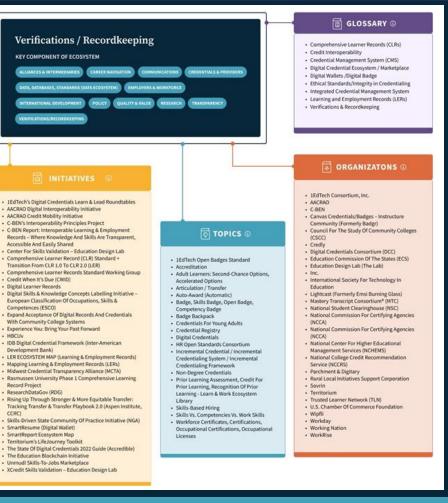


We're providing relational maps to depict how Initiatives relate to Organizations relate to Glossary Terms relate to Topics relate to the Key Components of the ecosystem

Prototype Relational Maps

Show connections within the ecosystem

- Contain active links to take users to artefacts within library collection
- Updated as new related content is added to the library collection
- Leverage human judgment and A.I. to create connections beyond basic keyword matches



Second Example

SkillsFWD		 Badge, Skills Badge, Open Badge, Competency
KEY COMPONENT OF ECOSYSTEM		Badge • Blockchain
		Blockchain CASE Network: Competencies and Academic
ALLIANCES & INTERMEDIARIES CAREER NAVIGATION	COMMUNICATIONS CREDENTIALS & PROVIDERS	Standards Exchange* (CASE*) Comprehensive Learner Records (CLS)
DATA, DATABASES, STANDARDS (DATA ECOSYSTEM)	PLOYERS & WORKFORCE	Comprehensive Learner Records (CLS) Degree
INTERNATIONAL DEVELOPMENT POLICY QUALITY	A VALUE RESEARCH TRANSPARENCY	Digital Badge
INTERNATIONAL DEVELOPMENT POLICY QUALITY	A VALUE RESEARCH TRANSPARENCY	Digital Skills Employability Skills Framework
VERIFICATIONS/RECORDICEPING		Job Skills
		Learning and Employment Records (LERS) Lightcast Skills Taxonomy
		 Pay for Skills Program
		 Skills-based Hiring Skills-based Incremental Credentialing
		 Skills-based Promotion
INITIATIVES ©		Skills Classifications Skills Clusters
a INITIATIVES O		 Skills Ecosystem
		Skills Framework Skills Library
2U / EdX Bootcamp Partnership Building Capacity, Expanding Pathways:		Skills Library Skills Mapping
Accelerating The Growth Of Credential Innovation		Skills Taxonomy Skills & Competencies
In Higher Education – UPCEA C-BEN Report: Interoperable Learning &		 Skills & Competencies Skills Validation
Employment Records - Where Knowledge And		Work-Based Learning
Skills Are Transparent, Accessible And Easily Shared		
Competency / Skills Models & Learning		
Frameworks Comprehensive Learner Record (CLR) Standard +		
Transition From CLR 1.0 To CLR 2.0 (LER)	তি торісs ত	G ORGANIZATONS O
Digital Skills Principles Digital Skills & Knowledge Concepts Labelling		and the second se
Initiative – European Classification Of	Badge, Skills Badge, Open Badge, Competency	• 1EdTech
Occupations, Skills & Competences (ESCO) Data Collaborative For A Skills-Based Economy	Badge	Alliance
(Data Collab) – Education Design Lab	 Common Job Descriptions: Job Postings In Language Of Competencies/Skills 	CAEL Center For The Future Of Higher Education &
Employability Skills Bundle Project	Competency / Skills Models & Learning	Talent Strategy, Northeastern University
Global Alliance For Skills To Aid Economic Renaissance And Labor Market Transitions	Frameworks	Competency-Based Education Network (CBEN Coursera
Job Skills For In-Demand Employment (JobSIDE)	 Digital Credential Ecosystem / Marketplace Microcredential Policy And Practice 	Coursera Digital Credentials Consortium
LER ECOSYSTEM MAP (Learning & Employment Records)	Short-Term Credentials	Education Design Lab
LifeJourney – AI-Powered Skills & Competency	Short-Term Training Skills-Based Hiring	 Education & Employment Research Center, School Of Management & Labor Relations,
Toolkit	Skills Vs. Competencies Vs. Work Skills	Rutgers
Mapping Learning & Employment Records (LERs)		Coursera Credential Engine
Mapping Learning & Employment Records (LERs) Skills Taxonomy (Open Skills) – Lightcast	6	
Skills Taxonomy (Open Skills) – Lightcast SkillsFWD		 Jobs & Skills Australia
Skills Taxonomy (Open Skills) – Lightcast SkillsFWD Open Skills Network (OSN) Skills Compass Platform – CAEL		 Jobs & Skills Australia Jobs For The Future – JFF
Skills Taxonomy (Open Skills) – Lightcast SkillsFWD Open Skills Network (OSN) Skills Compass Platform – CAEL SkillsEngine		 Jobs & Skills Australia Jobs For The Future – JFF Lightcast National Governors Association – NGA
Skills Taxonomy (Open Skills) – Lightcast Skills/WU Open Skills Network (OSN) Skills Compass Platform – CAEL Skills: Based Promotion Skills: Based Promotion Skills-Based Promotion		 Jobs & Skills Australia Jobs For The Future – JFF Lightcast National Governors Association - NGA Open Skills Network
Skills Taxonomy (Open Skills) – Lightcast SkillsFWD Open Skills Network (OSN) Skills Compass Platform – CAEL SkillsEngine SkillsBased Promotion Skills Driven State Community Of Practice Initiative – NGA		Jobs & Skills Australia Jobs for The Future – JFF Lightcast National Governors Association - NGA Open Skills Network Program On Skills, Credentials, & Workforce Policy, George Washington University
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Third Example

INITIATIVE **Microcredentials Pilot in** Higher Education -Badge Australian Government **Department of Education** (CTDL) · Digital Skills Job Skills KEY COMPONENT OF ECOSYSTEM Microcredentials Skills-based Incremental Credentialing CREDENTIALS & PROVIDERS LLIANCES & INTERMEDIARIES Skills Ecosystem Skills Classifications PLOYERS & WORKFORCE · Skills Clusters Skills Taxonomy Skills & Competencies Skills Framework · CASE Network: Competencies and Academic Center For Skills Validation - Education Design Lab Global Alliance For Skills To Aid Economic Renaissance And Labor Market Transitions · CAEL Cedefop Job Skills For In-Demand Employment (JobSIDE) Lightcast Skills Taxonomy · Jobs & Skills Australia SkillsCommons Repository MicroCred Seeker Website Pay For Skills Program Alliance Lightcast Skills-Based Promotion Skills Library Education Design Lab Cedefop's Microcredentials & Labor Market Research Skills Enhancement Program – CAP Services Graduate-Level Microcredentials And Workforce • Unmudl Open Skills Network Needs Framework Report: Integrating Microcredentials Into Talent Strategy, Northeastern University Undergraduate Experiences · Research Blog: Assessment And Evaluation Of Digital Credentials Consortium Sate University System Of New York (SUNY) Microcredentials: What Success Looks Like And To Whom Colorado Department Of Higher Education Texas Higher Education Coordinating Board MicroCreds National Project (Ireland) · C-BEN Report: Interoperable Learning & Employment

Records - Where Knowledge And Skills Are Transparent, Accessible And Easily Shared

- Digital Skills Principles
- Unmudl Skills-To-Jobs Marketplace
- XCredit Skills Validation Education Design Lab Digital Skills & Knowledge Concepts Labelling
- Initiative European Classification Of Occupations. Skills & Competences (ESCO)
- Data Collaborative For A Skills-Based Economy (Data
- Collab) Education Design Lab · Skills Taxonomy (Open Skills) - Lightcast
- SkillsFWD
- Skills Compass Platform CAEL
- SkillsEngine
- Employability Skills Bundle Project
- · Skills Taxonomy (Open Skills) Lightcast LifeJourney - Al-Powered Skills & Competency
- Toolkit
- Microcredential Initiative State University System Of New York (SUNY)
- Credentialing: Policy & Implementation Colorado Credentialing: Policy & Implementation - Florida
- · Policy Affecting Community College Credentials -Texas
- Montana 'Year To Career' Initiative To Create Microcredential Job Pathways

GLOSSARY 0

- · Badge, Skills Badge, Open Badge, Competency
- · Common Job Descriptions; Job Postings In
- Language Of Competencies/skills
- Credential Transparency Description Language
- Standards Exchange® (CASE®)

G ORGANIZATONS @

- Center For The Future Of Higher Education &

- Florida State Board Of Education (SBOW)
- Board Of Governors (BOG) For State University
- System (SUS)
- Montana Office Of Commissioner Of Higher Education & Montana Public 2-Year Colleges

TOPICS 0

- Digital Credential Ecosystem / Marketplace
- Microcredential Policy And Practice
- Short-Term Credentials Short-Term Training

3 Recent Developments



RESEARCH CENTER



Library Lens

The Library collection, constantly evolving as new content is added and new connections are generated, is itself an information database to be analyzed. Through the Library Lens, our briefs and reports explore trends within the ecosystem and insights revealed by analysis of website use.



Professional Development Hub

A space dedicated to professional development resources produced by the Library, including webinars and a newsletter.

Consultation with Librarian If you're having trouble finding the

information you seek or are unsure

whether the Library addresses your specific research question, a librarian is

available to help. Questions submitted

by emailor contact form willinitiate an

asynchronous email consultation and

present options for further collaboration.



Special Projects

A space dedicated to collaborative projects designed to support the use and improvement of the Library. These may include: exploring use of Library as an open educational resource or instructional tool, user case studies, and assessment of the content's currency and adequacy.

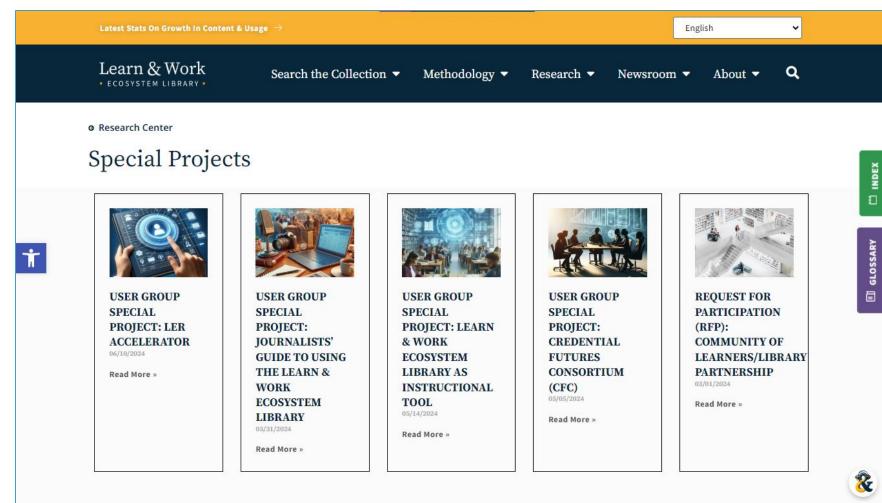
Researcher Showcase



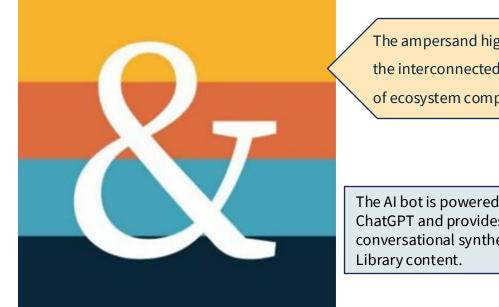
A space for researchers to present their projects and findings related to the Learnand-Work Ecosystem. Reports and findings that are coded to the Library Classifications (cross-referenced) are found here.



Through a partnership between the Learn & Work Ecosystem Library and The EvoLLL ution, Library users have access to thousands of relevant articles. With over 60,000 monthly visitors, the Torontobased EvoLLLution (a project of Open Campus) is a go-to source for opinions and information. It works with over 2,500 contributors, including college deans, state system presidents, working a dults, hiring managers, government officials, and researchers. Since 2012, The EvoL LLution has recognized the importance of diverse viewpoints and provided a unique platform for contributors to share their stories, opinions, and experiences.



Ampersand Favicon and AI Library Assistant



The ampersand highlights the interconnected nature of ecosystem components.

The AI bot is powered by ChatGPT and provides conversational synthesis of



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Major Milestones / Lessons Learned

- Challenges of finding easily accessible and accurate information at websites websites generally not connected, some have pay walls, some not kept up when funding ends
- There are more competing information resources / libraries
- Co-pilot Bots are coming on strong are they / will they be reliable?
- Challenges of updating library content
- Overwhelming there is a lot of mostly discrete information need for synthesis
- AI changes how we find and interrelate with information need navigation pathways

Learn & Work ECOSYSTEM LIBRARY

https://learnworkecosystemlibrary.com/

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