



**NSF POSE:**

**Invitation to Join the Global LER Planning**

**April 2022**

# Who we are:

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**Mission:** To transform the way education does business and drive student success by providing efficient access to information by developing shared, innovative, modular solutions to complex challenges that limit education delivery and student success.

We collaboratively develop open source and reusable solutions that help remove the complex barriers between legacy systems (CRM, SIS, LMS, Finance, HR, etc.) and specialized applications to enable optimized education delivery. Our priority areas of solutions and Communities include:

- Next Generation Education Systems
- Scalable Enterprise Integration
- Data Management Solutions
- EdSAFE AI [Alliance](#)

# NSF Opportunity

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# Pathways to Enable Open Source Ecosystems (POSE) RFP

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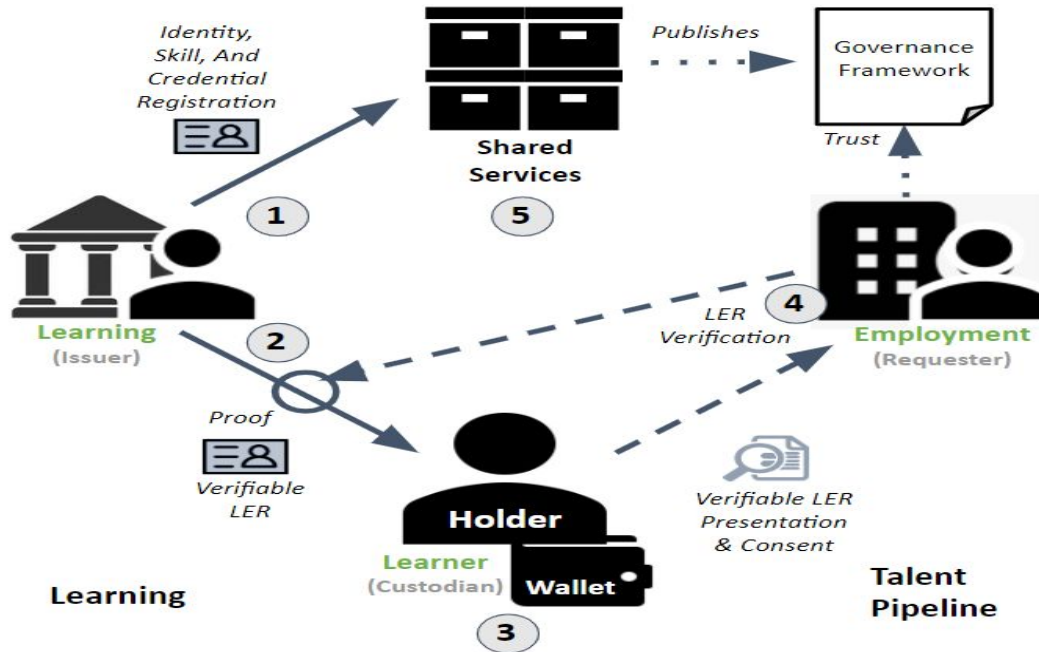
- **Purpose:** Harness the power of open-source development for the creation of new technology solutions to problems of national and societal importance. . . distributable open-sourced software, hardware or data platforms that catalyze further innovation.
- Goals:
  - a. Support managing organizations that will facilitate the creation and growth of sustainable high-impact OSEs around already-developed open-source research products.
  - b. Specifically focused on another translational lineage – supporting translation from research results to OSEs
- Does Not support:
  - a. Development of open-source research products, including tools and artifacts.
  - b. Existing well-resourced open-source communities and ecosystems.
- Expected Outcomes:
  - a. Grow the community of researchers who develop and contribute to OSE efforts
  - b. Enable pathways for the development of collaborative OSEs that could lead to new technology products or services that have broad societal impacts
- *Phase 1 - Propose Specific Activities to Scope an OSE: \$300K for < 1 year - Due May 12*

# POSE Phase 1: Global Learning and Employment Record OSE

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# LER Ecosystem

## Learning and Employment Record (LER) Ecosystem



1. **Achievement Assertion Tool** – Registered services that enable instructor/evaluators to assert that a learner has achieved a skill, credential, or other outcome as machine interpretable data by unknown future systems
2. **Credential Publisher** - Services that enable achievement assertions to be wrapped in credentials that are cryptographically signed onto distributed ledgers for verification from requestors.
3. **Digital Wallet** – An app that enable learners and their adult guardians to subscribe, curate, and control access to achievement assertions and other credentials and creating a presentation that is shared with verifying parties.
4. **Validator/Requestor** - Services that enable credential requestor systems to automate actions, validate, and view credentials and other assertions.
5. **Shared Services:**
  - a. **Trust Meta Registries**
    - i. Identity (Legal, Digital)
    - ii. Accreditation
  - b. **Credential Meta Registries**
    - i. Skill/Course Crosswalks
    - ii. Revocation Services

# Emerging Concepts for the Global LER OSE

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**Vision:** The Global LER OSE engages with educational entities, technology leaders, policy makers, researchers, governments, standards and staffing organizations, learners, and employers to connect, learn, align, and provide global leadership in the development of a safer, trusted, more equitable ecosystem of digital records of learning, competency, credentials, certification, and employment.

## Emerging Concepts:

- Bring together existing and emerging networks, research, participants (firms, foundations, government, education entities), and activities
- Collaborate on design and development of benchmarks, specifications, and open source components that would support the LER ecosystem
- Envisioned as a membership based community with a shared governance model

# Invitation to Join Effort

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- Initiated by: [Learning Economy Foundation](#), [Public Consulting Group](#), [Randa Solutions](#), and [DXtera](#)
- Open to all parties that are interested in participating
- Email interest to: Lauren Lopez ([lauren@dxtera.org](mailto:lauren@dxtera.org))
- Review and provide feedback on Existing [DRAFT](#)
  - 7-page maximum for response
- Provision of a Letter of Support for the submission ([Template](#))
  - On letterhead of provider
  - By May 5, 2022





Unlock your digital information. Unleash *their* potential.

Dale Allen, PhD  
President and Co-Founder  
[dallen@DXtera.org](mailto:dallen@DXtera.org)