

Open Embedded Assessments: Play, Author; Anywhere, Anytime

MIT, Atomic Jolt, Lumen Learning

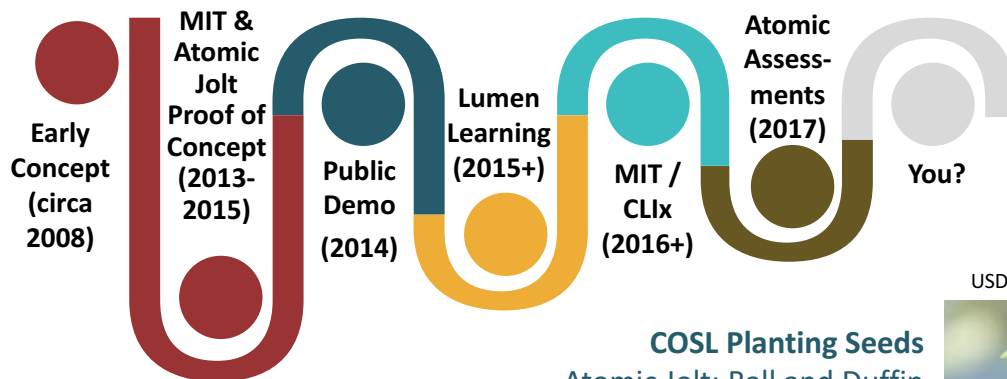
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Background on OEA

- Concept generated during COSL, realized by MIT, Atomic Jolt and Lumen Learning
- Goals of Open Embedded Assessments (OpenEd 2014)
 - Do for assessments and items, what's been done for content (whole courses, lectures, videos)
 - Embed anywhere ✓
 - Share (don't reinvent the wheel for every course)
 - Evaluate, record and track responses ✓

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Development History of OEA



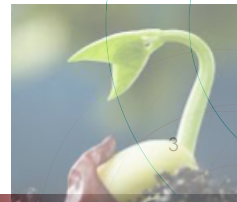
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COSL Planting Seeds

Atomic Jolt: Ball and Duffin

Lumen: Wiley -> Mosbacher

MIT: Muramatsu -> Merriman, Shaw and DeLong



OEA Components

- Player
 - Embedded in web page
 - For each question type
 - Might be a “generic” type but “custom” player based on project needs
- Authoring
 - QTI (Canvas or Moodle export) -> OEA (import)
 - Native authoring
- Repository / Question Bank
- Data logging

Mini Case Study: About CLix

- Connected Learning Initiative scope and scale
 - Contemporary OER modules for Grade IX in math, science and English bringing active learning and digital tools to the classroom in India's government (public) schools
 - ~460 schools in 4 states in India, goal of ~30,000 students in India
 - (Up to 2M assessments to be offered)

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Mini Case Study: How is CLix using OEA?

- Players "embedded" for use in schools
 - In CLix Platform (gStudio) loaded from local network server and accessed over local network
 - In Unplatform2 loaded locally on non-Internet-connected, non-networked computers in schools
 - Can gather usage logs and responses
 - Just starting to gather the data
 - Authored in the cloud

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Mini Case Study: How is Lumen using OEA?

- Helping students learn!
- Types of quizzes taken: 2.6M
 - Module Pre-tests: 191,771
 - In-content Embeds: 284,717
 - Topic-level Self-check: 1,707,981
 - Summative Quizzes: 380,728

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Mini Case Study: How is Atomic Jolt using OEA?

- Atomic Assessments
 - LTI embed and grade write back into Canvas
- (Developed players and authoring tools for MIT / CLIX)

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Get OEA and Questions?

- **MIT / CLIX** - kirky@mit.edu
 - <https://github.com/CLIXIndia-Dev/OpenAssessmentsClient>
- **Lumen Learning** - bracken@lumenlearning.com
- **Atomic Jolt** - justin.ball@atomicjolt.com
 - Atomic Assessments, customization and development
 - https://github.com/atomicjolt/open_assessments

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THANKS!

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