Consortial Hyku for Open Resources

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Consortia
Hyku
OER

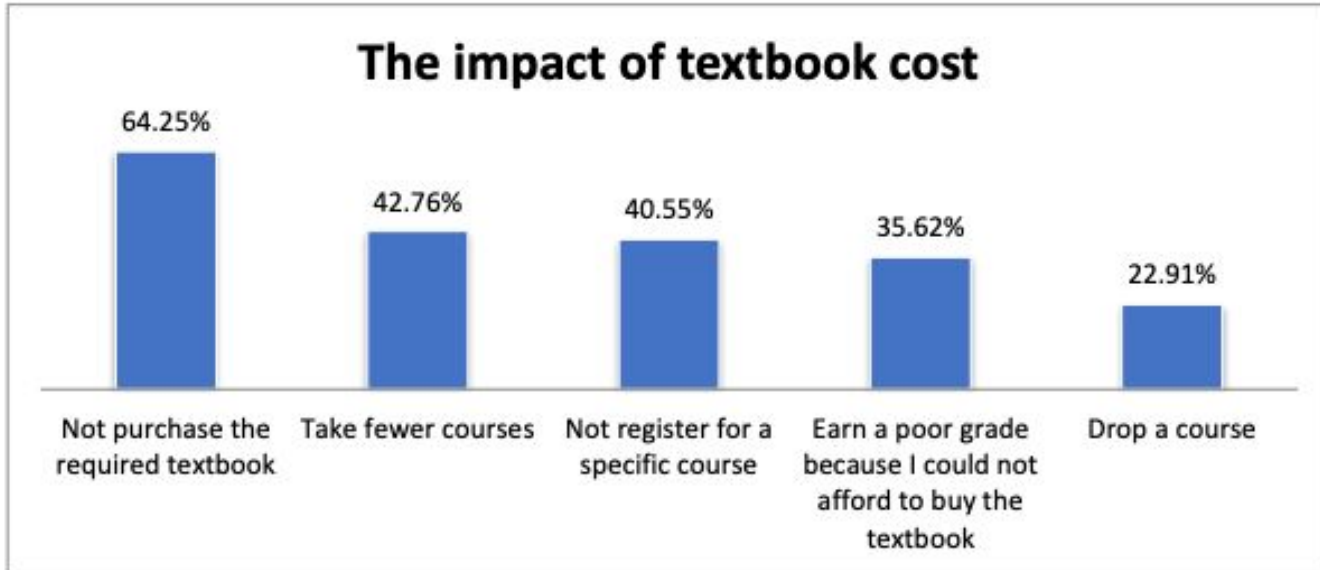# OER Consortia Hyku

Open Educational Resources (OER)

Fun Fact: College is Expensive

	Public two-year (in-district)	Public four-year (in-state)	Public four-year (out-of-state)	Private four-year
Tuition	$3,570	$9,970	$25,620	$34,740
Room and board	$8,400	$10,800	$10,800	$12,210
Books and supplies	$1,420	$1,250	$1,250	$1,220
Transportation	$1,780	$1,170	$1,170	$1,030
Other expenses	$2,410	$2,100	$2,100	$1,700
Total cost	**$17,580**	**$25,290**	**$40,940**	**$50,900**

Source: Florida Virtual Campus, 2018 Student Textbook and Course Materials Survey

Textbooks Affect Student Learning

The impact of textbook cost

64.25%	42.76%	40.55%	35.62%	22.91%
Not purchase the required textbook	Take fewer courses	Not register for a specific course	Earn a poor grade because I could not afford to buy the textbook	Drop a course

Source: Florida Virtual Campus, 2018 Student Textbook and Course Materials Survey
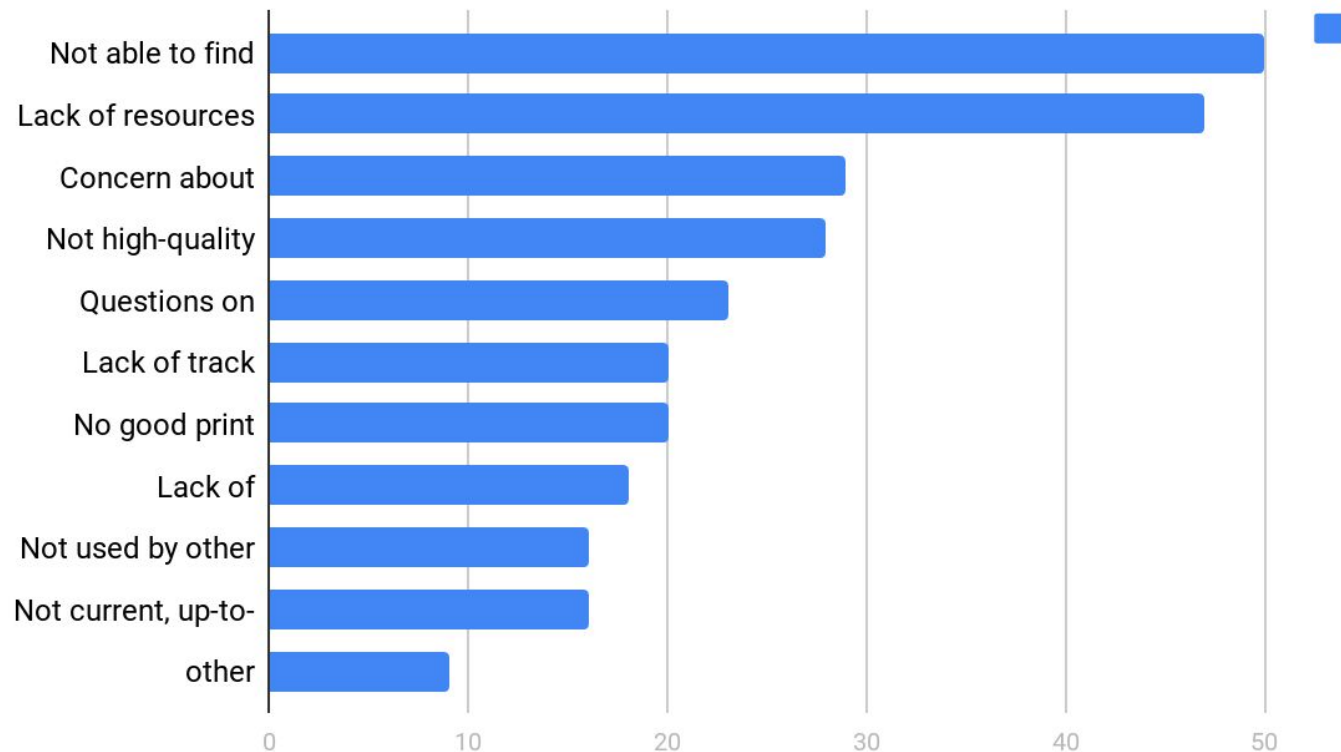
OER Community

OER = Open (openly licensed) Educational Resource

- Textbooks
- Quizzes and other assessments
- Classroom activities
- Complete online courses

Open license = free to use, adapt, and remix
(in some cases)

Why not OER?

Barriers to Adoption of OER 2016-2017

Source: Opening the Textbook: Educational Resources in U.S. Higher Education, 2017

Gaps in OER Repository Support

- Publishing and peer review workflows
- Remix and adaptation support
- Post-publication review and rating
- Support for interactive objects like quizzes and courses

Vendor hosted software isn't flexible enough

Support isn't built into Open Source options

Consortia

Resource Sharing
+ Purchasing
+ Infrastructure

Need for a Consortial IR

- Solution for small-sized colleges
- Sustainable/controllable cost structure
- Multi-tenant/individual branding and theming
- Collaborative management
- Improvable, scalable, and customizable to support new and emerging needs

PALs (PALCI/PALNI) working together

PALCI

- HykuDirect Grant
  - Partner with DPLA, Stanford, DuraSpace (2017)

PALNI
Collaborative, Strategic, Innovative

- IR Task Force
  - Produced Vision Document and White paper

- CC-IR (Collaborative Consortial Institutional Repository) Phase 1 Pilot
  - 2018–2019
  - Stand-up Hyku and test basic features/functionality for consortial administration
  - Work with Notch8 to provide development and pilot hosting

COMMONS ARCHIVE

amanda-test-2.commons-archive.org

amanda-test.commons-archive.org

ambs.commons-archive.org

amanda-test-2.commons-archive.org

amanda-test.commons-archive.org

ambs.commons-archive.org

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Hyku

Hyku to the resku?

IMLS funded, 18-month grant to build a consortia-managed Hyku implementation as "Phase 2":

"Scaling Up a Collaborative Consortial Institutional Repository"
- Multi-tenant installation and management
  - Roles/permissions
  - Shared workflows
  - Theme/brand templates
- Cross-institution searching
- DOI Services
- Two new worktypes
  - ETD & OER
- Business model

Why Hyku?

open source   multi-tenant

hyku

sustainable   customizable

Files + Metadata + Relationships(workflows)

OER Worktype Development

Environmental Scan

- OER Commons
- Open Textbook Network
- SUNY OASIS & Open Textbooks

Worktype basics

- Review with state-based groups of OER experts
- Review from external experts

Development of state project to give grants for faculty OER adoption and creation

OER Worktype: Files

Activity/lab
Assessments (tests, quizzes, etc.)
Case studies
Diagrams/illustrations/images
Homework/assignment
Lecture
Lecture notes
Student guide
Supplemental audio/video
Syllabus
Textbook
Tutorials

Audio
Still Image
Moving Image
Video
Text
...or a combination of these

>> OER worktype will support multiple digital file types with some specific features

OER Worktype: Metadata

Metadata Application Profile influenced by OER Commons (https://www.oercommons.org/)

- Descriptive metadata primarily from Qualified Dublin Core
- Specific controlled vocabularies enforced
- Education specific metadata from LRMI/Schema.org
- Few locally defined properties

OER Worktype: Metadata

Accessibility is a key factor

- Accessible OER are used more and impact student success more

>> The OER worktype will include metadata about accessibility features

OER Worktype: Metadata

Highly inter-related material

- A quiz specific to a textbook chapter
- An adaptation of a resource into another language
- A student guide related to a course syllabus
- A supplemental video related to an assignment
- ...

The availability of ancillary materials play a large part in faculty decisions to use OER

\>> The OER Worktype will have enhanced **metadata** relationships between **objects.**

OER Worktype: Relationships/Workflow

Typical Proxy workflows already in Hyku

- Faculty member has a work to submit...
  - Scenario 1
    - Faculty member creates account and uploads
    - Faculty member assigns metadata
  - Scenario 2
    - Library uploads material as a proxy
  - Scenario 3
    - Faculty member creates account and uploads
    - Faculty member creates some initial metadata
    - Library assigns/updates metadata

OER Worktype?

- Informal "peer review" continues after publication
  - Ratings, reviews, and course adoptions added to content through user interface
  - Highly influential in faculty decision making

>> The OER collection will have front-end features to support rating and review. It will also feature links between related items.

Project schedule

OER worktype: in progress!

Design and Development of other features: Sep 19 - July 20

- Multi-tenant workflows
- Individual theming and branding

Pilot: July 20 - Sep 20

Business and Collaboration model development: Sep 20 - Nov 20

Closeout: Dec 20.

Plea for more collaboration

Open Source and OER communities would make great partners

- Commitment to and understanding of "open"
  - Same puppy/beer metaphors!
- Desire to change the playing field for libraries and education
- Complementary skill sets
- Opportunity to have a huge impact
- Technology or advocacy/education won't solve problems in isolation

Putting my money where my mouth is...

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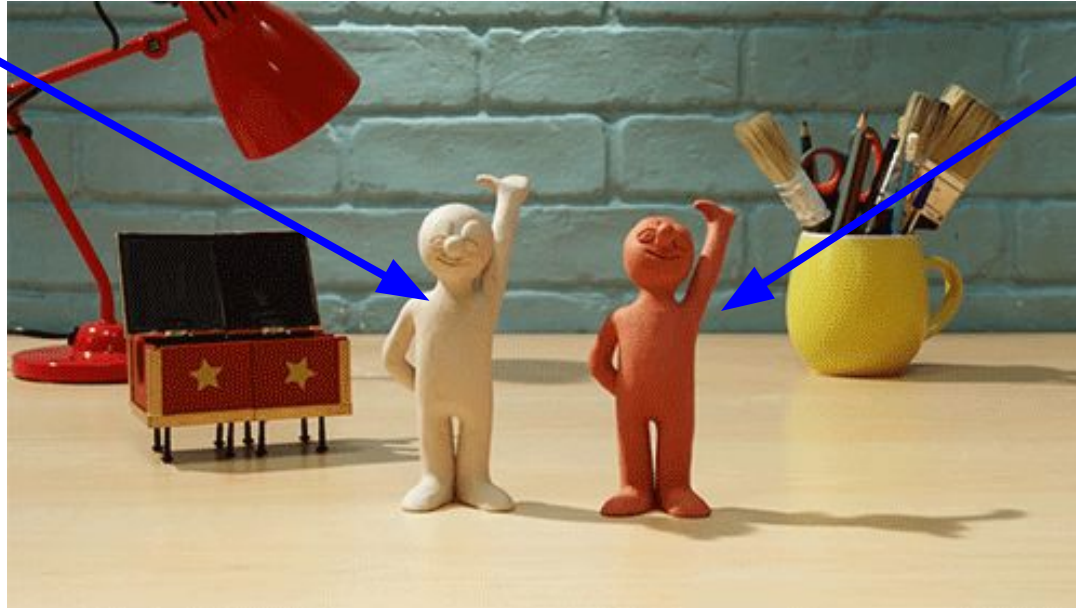
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Thank you!