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Open Education Collaborations in Higher Education

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UMassAmherst
The Commonwealth's Flagship Campus

Open Education Collaborations in Higher Education

Northeast Regional OER Summit
June 14, 2017

Today's Outline

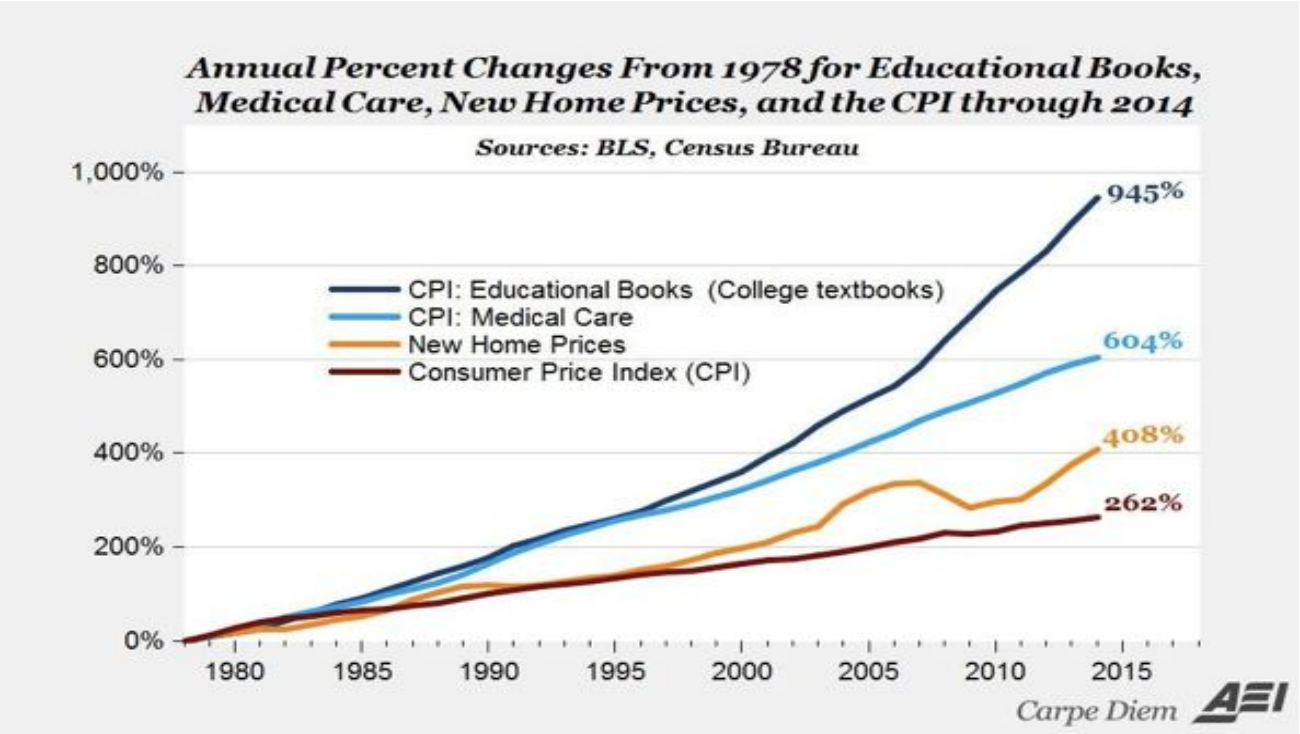
- Context for Open Education
- UMass Amherst's Open Education Program
- Case Studies & Partnerships
  - Holyoke Community College
  - Library School internship
  - Community Colleges of Massachusetts
  - International impact
- Lessons Learned, Takeaways, Discussion

UMass Amherst Profile

- Public Land-grant Research Intensive University
- Over 30,000 students; 1,300 full time faculty
- 112 bachelor's; 76 masters; 48 doctorates in nine schools and colleges

Context for Open Education

Why OER?


Annual Percent Changes From 1978 for Educational Books, Medical Care, New Home Prices, and the CPI through 2014
Sources: BLS, Census Bureau
1,000%
800%
600%
400%
200%
0%
1980
1985
1990
1995
2000
2005
2010
2015
CPI: Educational Books (College textbooks)
CPI: Medical Care
New Home Prices
Consumer Price Index (CPI)
945%
604%
408%
262%
Carpe Diem
AEI

UMA's Open Education Initiative, 2011-

The OEI is a faculty incentive program that encourages:

- Creation of new teaching materials and models
- Use of existing open (free +) information resources to support student learning
- Use of library subscription materials
- Development of open technologies

Types of Open Educational Resources

Library OER Website

UMass Amherst Libraries

Provide feedback

Services | Locations | Databases & Collections | People | About Us | News

Contact

Scholarly Communication
W. E. B. Du Bois Library
Amherst, MA 01003
(413) 545-6729
jlsmith@library.umass.edu

Teaching & Learning

- Information Literacy
- Custom Course Guides
- Request Instruction
- **Open Education Resources (OER)**
  - OER for Educators
  - OER for Learners
  - Open Education Initiative
  - Open Education Events
- UNIV 190-L : Demystifying Library Research
- Instruction feedback form

Open Educational Resources

What are Open Educational Resources (OER)?

Open Educational Resources are educational materials and resources offered freely and openly for anyone to use and under some licenses to re-mix, improve and redistribute.They include:

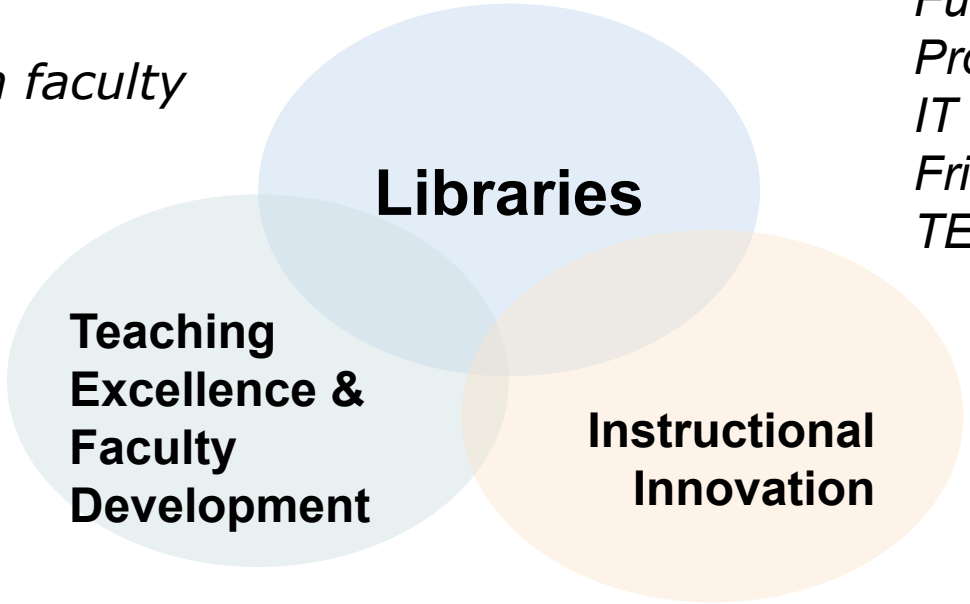
- Learning content: full courses, course material, content modules, learning objects, collections, and journals.
- Tools: software to support the creation, delivery, use and improvement of open learning content including searching and organization of content, content and learning management systems, content development tools, and online learning communities.
- Implementation resources: Intellectual property licenses to promote open publishing of materials, design-principles, and localization of content.

Why OER?

OER is a relatively new movement in education; educators and learners as well as learning institutions are driving its development. OER provides an alternative to the rising costs of education. For example, in some countries like South Africa, many educators and learners are tapping into OER as the only source for textbooks. OER provides an opportunity to try new ways of teaching and learning, many of which are more collaborative and participatory.

Partners Providing OEI Support

Peer-Review by:
TEFD
IT Program faculty
Librarians
IT



Funding support by:
Provost
IT Program
Friends of Library
TEFD

OER Barriers

- Lack of awareness
- Time
- Lack of central location
- Lack of ancillary content
- Perceived quality of OER
- Time commitment of support stage
- Getting beyond the “pilot” phase

Faculty Project Types

Adopt

Replace commercial textbook with open textbook

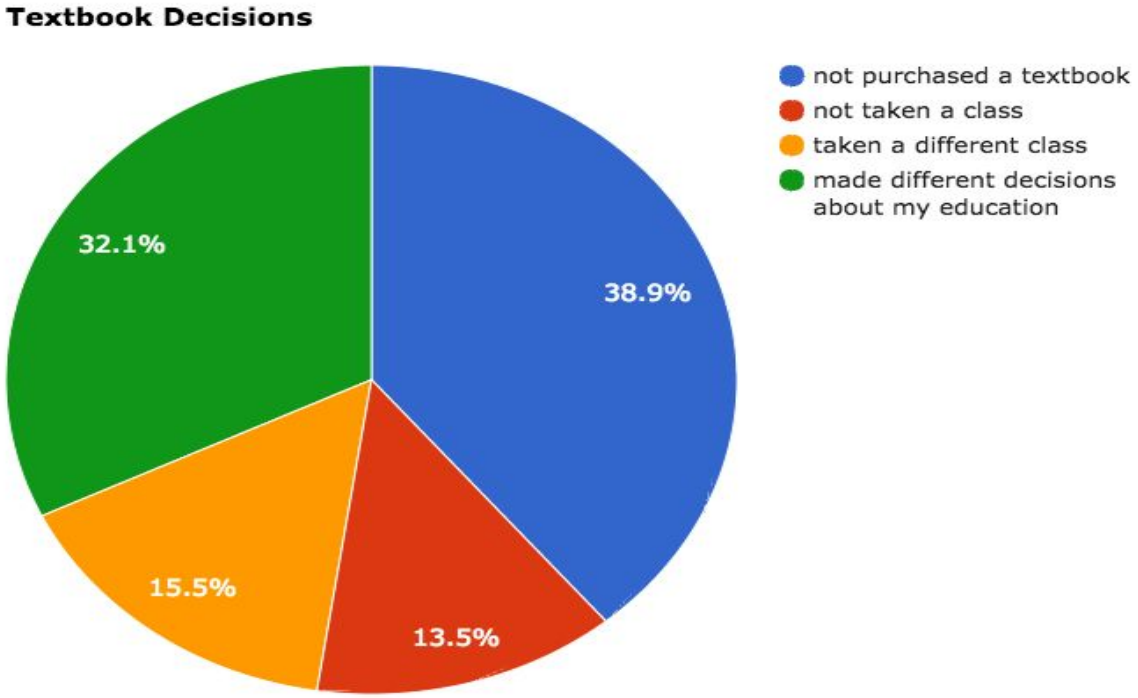
Adapt

Combine existing OER, library resources, and newly created material

Create

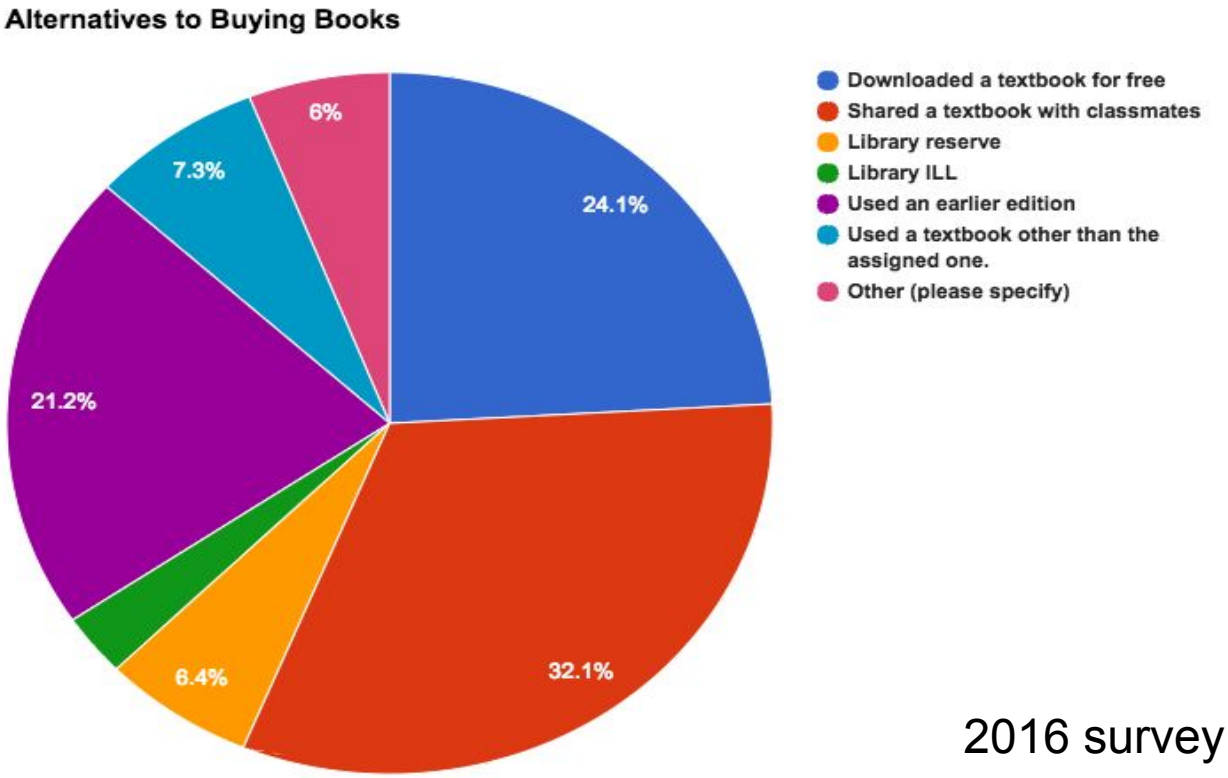
Create entirely new open course materials

Why OER?



2016 survey of 458 students

Why OER?



2016 survey of 458 students

Results Since 2011

- $1.6 million
  student savings
- $100,000
  invested
- 7,000 students, 60+ faculty, & over 100 classes
  impacted

Total Savings Over Time By College

College of Natural Sciences	5,203	$860,773
College of Social and Behavioral Sciences	1,630	$219,085
College of Humanities & Fine Arts	699	$96,709
College of Engineering	818	$169,091
College of Education	727	$85,098
College of Nursing	146	$17,785
Honors College	187	$7,835
Stockbridge School of Agriculture	275	$51,838
Isenberg School of Management	612	$57,085
School of Public Health and Health Sciences	307	$66,135
	10,793	**$1,631,433.25**

Case studies

- Holyoke Community College
- Library School intern
- #GoOpen in Massachusetts

Holyoke Community College

- Joint presentations
  - UMass Online and NERCOMP
- HCC adoption
  - Pilot, June 2013
- Community College Administrators Program for Pakistan (CCAP)
  - Constant change in education, New skills needed
  - High population of people under 25
  - Looking to US Community College model

SIMMONS

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Library School Internship

- Scholarly Communication
  - Internship: “all things open”
  - Goal: To establish Open Education initiative at Greenfield Community College
- Greenfield Community College
  - Open Education Faculty Fellows, Established Spring 2016
  - Joined MA CC #GoOpen program
  - Total savings: $117,000

GREEN FIELD CC

Community College and University

- Achieving the Dream Colleges
  - Bunker Hill, Northern Essex, Roxbury, Springfield Tech

  http://achievingthedream.org/
- #GoOpen Massachusetts

  https://tech.ed.gov/open/states/
- 2017 Northeast Regional OER Summit

  https://www.library.umass.edu/services/teaching-and-learning/oer/northeast-oer-summit

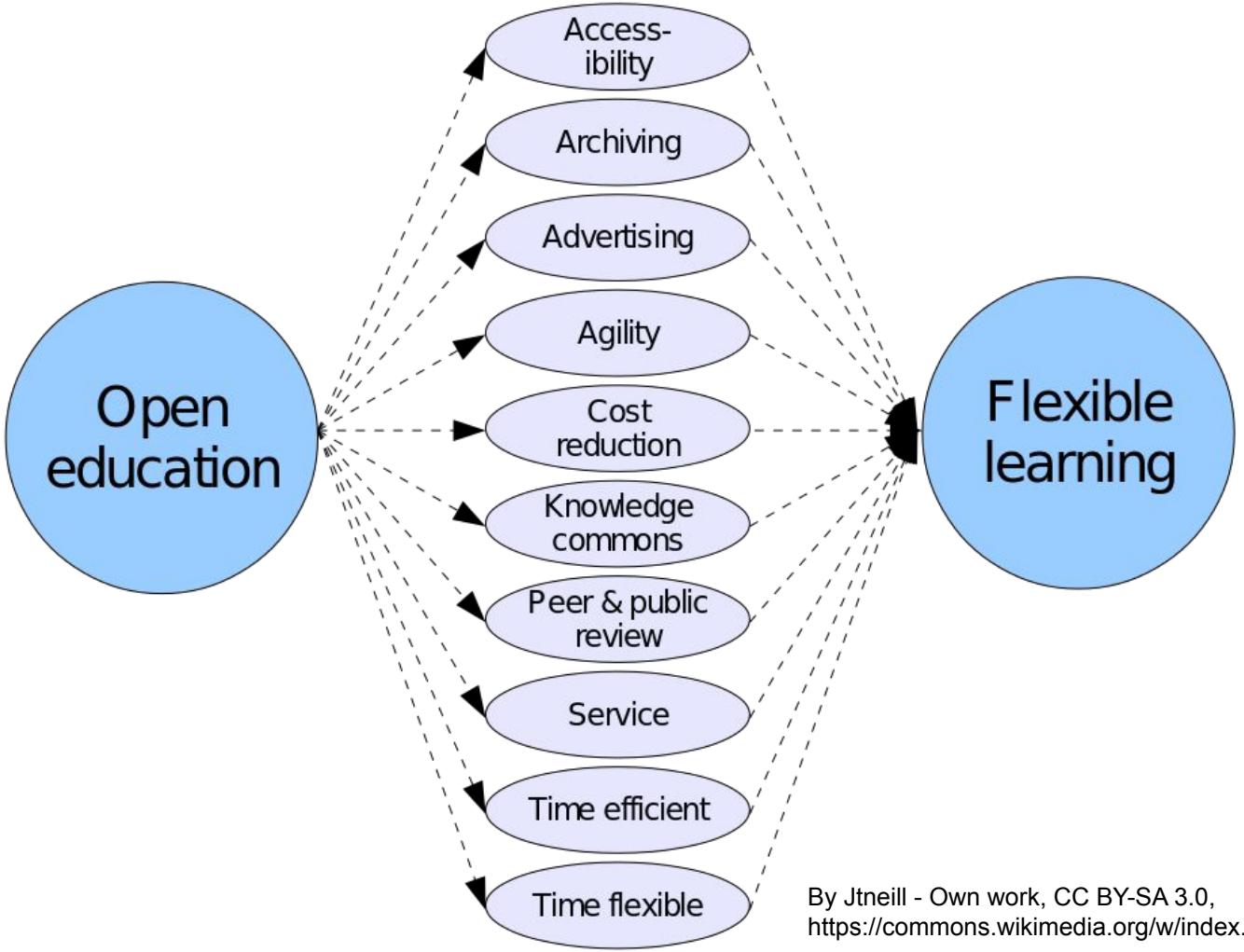
Lessons Learned, Takeaways

- Address OER Barriers
- Build Open Education faculty cohort groups
- Create reasonable expectations
- Ensure funding sources
- Value partnerships

- Take time to celebrate successes

Best Practices for OEI

- Library leadership, strengths and services
- Leverage partnerships throughout campus
- Value of mini grants with peer review mechanism
- Meet faculty where they are
- Assessment tools
- Marketing and advocacy
- Be involved – local, regional, national levels



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Future Needs and Aspirations

- Sustainability, staffing, partner support, funding
- Copyediting, proofing expertise
- Assessment of student learning, faculty use
- Advocacy, marketing, publicity
- Engagement by entire state, K-16
- World-wide partnerships

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Thanks! Questions?

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