MOOCs and Open Education Around the World:
Recent News and Research Clues
Moodle MOOC #7, November 1, 2015
http://www.wiziq.com/online-class/3182476-mm7-moocs-and-open-education-around-the-world
Curt Bonk, Indiana University
cjbonk@indiana.edu

Fall 2014, On Wisconsin
MOOC, Meet MORC (Massive Open Radio Course)
WHA, UW Madison, College of the Air, 1933,
Vocational Training dedicated to Agriculture,
and later Home Economics and Typing

Enter the age of the MOOC...

Frank Basile, an aircraft technician, took an MITx course on circuits and electronics to increase his knowledge.
Joe Alfonso, a financial adviser from Oregon, is taking the online finance course as a "refresher."

Audience Poll #1:
Who in here has taken a MOOC?

Jot down in the chat window the topic of MOOCs you have taken...

November 2, 2012
The Year of the MOOC,
New York Times, Laura Pappano,
https://www.nytimes.com/2012/11/04/education/edlife/massive-open-online-courses-are-multiplying-at-a-rapid-pace.html?pagewanted=all

Clockwise, from top left: an online course in circuits and electronics with an M.I.T. professor (edX); statistics, Stanford ( Udacity); machine learning, Stanford (Coursera); organic chemistry, University of Illinois, Urbana (Coursera).
June 19, 2013
2013 is “The Year of the Anti-MOOC”
George Siemens, UW-Madison Summit

Poll #2: Are MOOCs Disruptive?
November 14, 2014 (2:25)
Why online ed disrupts the traditional model,
Fareed Zakaria GPS, CNN, On GPS, Stuart Butler & Anant Agarwal explain why students are drawn to online higher education—tuition debt & exciting new technologies

Poll #3: Do you have this free book?
The Invasion of the MOOCs: The Promise and Perils of Massive Open Online

August 30, 2015
Massive online courses grow; what’s in it for the universities?, Kirk Pinho, Crain’s Detroit Business
http://www.crainsdetroit.com/article/20150830/NEWS/308309998/massive-online-courses-grow-whats-in-it-for-the-universities

August 30, 2015
Massive online courses grow; what’s in it for the universities?, Kirk Pinho, Crain’s Detroit Business

And all told, there have been between 16 million and 18 million people enrolled in MOOCs, about 2,500 of which had started or were scheduled to start as of July 2015, according to EdSurge Inc., an independent Burlingame, Calif.-based education technology information provider.

A typical MOOC enrollment level is around 25,000 students...

October 29, 2015
http://chronicle.com/blogs/wiredcampus/campus-tech-leaders-report-more-support-for-free-educational-materials/1772

Encouraging Faculty to Use Open-Source Content
Heres the percentage of survey respondents who report that their institutions encourage faculty members to use open-source resources in their courses.

<table>
<thead>
<tr>
<th>Year</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>All institutions</td>
<td>40%</td>
<td>35%</td>
</tr>
<tr>
<td>Public institutions</td>
<td>45%</td>
<td>40%</td>
</tr>
<tr>
<td>Private institutions</td>
<td>25%</td>
<td>30%</td>
</tr>
<tr>
<td>2-year colleges</td>
<td>40%</td>
<td>35%</td>
</tr>
<tr>
<td>4-year colleges</td>
<td>35%</td>
<td>30%</td>
</tr>
</tbody>
</table>
October 19, 2015
MOOCs Are Still Rising, at Least in Numbers, Ellen Wexler, Chronicle of Higher Education

The cumulative number of MOOCs didn’t break 100 until the end of 2012. But by the end of 2013 that number had grown to over 800. And today the number of registered MOOC students added in 2015 is nearly equal to the last three years combined.

October 28, 2015
The 10 Ed-Tech Companies That Are Raising the Most Money (at a new high), Ellen Wexler, Chronicle of Higher Education
http://chronicle.com/article/The-10-Ed-Tech-Companies-That/233979?cid=at&utm_source=at&utm_medium=en&elq=e4e3f59aa76642fe887fb1ea8a5a4cee&elqCampaignId=1713&elqaid=6714&elqat=1&elqTrackId=89147eff5b0e4ea6acc74ddf74bcc70c

3. Coursera
Pending to date: $16,000,000
What it does: Coursera works with universities to offer massive open online courses.

4. Future
Pending to date: $16,100,000
What it does: Future produces a video platform that helps every publisher and manages their video content.

5. Udacity
Pending to date: $11,500,000
What it does: Udacity offers users the ability to create their own online courses, which are run through the company’s platform.

October 28, 2015
How a 40-Year-Old Idea Became Higher Education’s Next Big Thing, Daniel Berrett, Chronicle of Higher Education
http://chronicle.com/article/How-a-40-Year-Old-Idea-Became/233976?cid=trend_au&elq=62342a26bd944d5290bd6ce4a186a7fc&elqCampaignId=1718&elqaid=6721&elqat=1&elqTrackId=4c1c21b63d7b4da9b83bb5c5cb405dec

We are entering a jumping off point...
(South University of Science and Technology of China, Wednesday June 10, 2015)
Things are heating up!

http://routledge-nv.com/books/details/978138807419/

MOOCs and Open Education Around the World

http://routledge-nv.com/books/details/978138807419/

Foreword #1: Open(ing) up Education for All, Boosted by Moocs?
George Siemens, Executive Director of the Learning Innovation and Networked Knowledge Research Lab, University of Texas Arlington

Foreword #2: Open(ing) up Education for All, Boosted by Moocs?
Fred Mulder, UNESCO Chair in Open Educational Resources at the Open University of the Netherlands

Chapter 1: The MOOC Misstep and the Open Education Infrastructure
David Wiley, Co-founder and Chief Academic Officer, Lumen Learning

- The Open Education Infrastructure
  - A completely open education infrastructure, which can support extremely rapid, low cost experimentation and innovation, must be comprised of at least these four parts:
    - Open Credentials
    - Open Assessments
    - Open Educational Resources
    - Open Competencies

Chapter 2: The Single Canon: MOOCs and Academic Colonization
Karen Head, PhD
The Georgia Institute of Technology

"If MOOC proponents truly seek to offer the best educational opportunities to the world, they will have to open these platforms to a wide variety of institutions and instructors. Expanded MOOCs that are entirely open could include a multitude of approaches and contexts, thereby exploding the notion of traditional canons in any discipline. Creating such expanded or open MOOCs could be one of the most important developments in pedagogical design."
Chapter 3: MOOCs and Open Education in Japan: A Case of the Open University of Japan
Kumiko Aoki, Ph.D., The Open University of Japan

“It is hoped that MOOCs will play a significant role for stakeholders in Japanese higher education in the near future. MOOCs and other forms of educational delivery that will emerge in the coming decades will help these individuals to realize that we now live in a vastly different era from when the dawn of distance learning in Japan back in 1950 as well as the start of the OUJ in 1983.”

Chapter 4: MOOCs, MERLOT, and Open Educational Services
Gerard L. Hanley, Ph.D.
MERLOT Executive Director
Assistant Vice Chancellor, Academic Technology Services
California State University, Office of the Chancellor

Figure 1. MOOCs as a Recent Evolution of OER

Chapter 5: Enabling Open Education: A Feasibility Protocol for Australian Higher Education
Dr Carina Bossu, University of Tasmania, Australia
Mr David Bull, University of Southern Queensland, Australia
Professor Mark Brown, Dublin City University, Ireland

Figure 5.1. Feasibility Protocol

Chapter 6: Open Education at the University of Cape Town
Laura Czerniewicz, Glenda Cox, Cheryl Hodgkinson-Williams, and Michelle Willmers

Figure 3: The openness journey at the University of Cape Town (UCT)

Chapter 6: Open Education at the University of Cape Town
Laura Czerniewicz, Glenda Cox, Cheryl Hodgkinson-Williams, and Michelle Willmers

Figure 3: Growth trajectory of visits to the OpenContent directory (2010-2013)

Chapter 8: MOOCs Downunder: Insights from the Open2Study Experience
Maggie Hartnett, Mark Brown, and Amy Wilson
Massey University, Dublin City University, and Massey University

Figure 3: Example of the Indigenous Studies subject
Chapter 22: OER and MOOCs in Africa: The AVU Experience
Griff Richards and Bakary Diallo, African Virtual University, Nairobi, Kenya

It is estimated that only 6% of Africans can access post-secondary education. The development goal is set at 12% even though North America and Europe are somewhere around 45%. The gap is huge. This is not to say that African nations are not investing in post-secondary education. For example, Nigeria has been steadily building universities during the past couple of decades.

Chapter 24: ALISON: A New World of Free Certified Learning
Mike Feerick, CEO & Founder, ALISON

October 7, 2014
ALISON: Global Health Initiatives
Online Mooc courses deliver Ebola health advice, BBC News, Sean Coughlan

Disinfecting a room in Monrovia, Liberia: Online courses are providing health advice to fight Ebola.

Chapter 28: MOOCs 2030: A Future for Massive Online Learning
Rebecca Ferguson, Mike Sharples (The Open University, UK), Russell Beale (University of Birmingham)

Figure 1. The Beyond Prototypes Models of the TEL Complex
Question #1.
"What are the problems that MOOCs and OER are supposed to address?" or "Are MOOCs and OER "solutions" in search of problems?"
(Note: Put ideas in the chat window.)
May 2013
Research Topic #2.
MOOC Motivators
MOOCs @ Edinburgh 2013– Report #1

April 17, 2014
Research Topic #4.
Impact of MOOCs Across Age, Gender, and Course Type

June 12, 2014
Research Topic #7. Assessment and Credentialing Issues
Will a degree made up of Moocs ever be worth the paper it’s written on?
The University of the People can now hand out degrees to its online students – but will employers take them seriously? Louise Tickle The Guardian

May 31, 2014
Research Topic #8. Localization of Content
ocMOOCs and hMOOCs
Revolutionizing online education
Professor creates courses tailored to cultural differences,
Korea JoongAng Daily, KIM BONG-MOON [bongmoon@joongang.co.kr]

April 21, 2014
Research Topic #6. Benefits of MOOCs for Disadvantaged and Underprivileged
The Revolution Is Not Being MOOC-ized, Students are educated, employed, and male.
Gayle Christensen and Brandon Alcorn, UPenn, New Scientist

June 13, 2014
Research Topic #3.
Learner Engagement with Content
8 Things You Should Know About MOOCs
Chronicle of Higher Education, Jonah Newman and Soo Oh
Research Topic #9.  
Functioning of Translation Teams  
Learning from Localized OER and OCW  
(e.g., Opensource OpenCourseware Prototype System (OOPS), Lucifer Chu, Janitor of OOPS)

January 27, 2014  
Research Topic #10.  
Various Geo-Political Issues  
Coursera Support Center, Why is my country blocked?  
Online education platform Coursera blocks students in Syria and Iran, Wamba, Nina Curley

May 27, 2015  
Research Topic #11.  
MOOC Participant Study Strategies  
The Invisible Learners Taking MOOCs, George Veletsianos, Inside Higher Ed  
https://www.insidehighered.com/blogs/higher-ed-beta/invisible-learners-taking-moocs

October 1, 2012: MOOC Students  
MOOC Learner Study Strategies  
4 Massive Open Online Courses and How They Work, Ben Gose, Chronicle of HE  

April 30, 2014  
Research Topic #12.  
Impact of Blending FTF Sessions with Online MOOCs  
New Learning Hubs Locations Hosted by The New York Public Library and Seven Other Int’l Partners, Coursera Learning Hubs  
https://www.coursera.org/about/programs/learninghubs

Research Topic #13.  
Learning for Enjoyment vs. Credentials and Badges
Learning for Enjoyment Versus Credentials and Badges

"Just play around with ideas for alternatives to printed texts and don't be afraid to create your own, even if they're amateurish...I think we need to de-emphasise formal assessment and accreditation and encourage our playful side to see what is possible. Too much informal learning wants to get itself 'badged' or validated too quickly and this means its losing its genuine amateur status."

October 1, 2015
Digital badges hit the big time in higher ed: Micro-credential programs target professionals needing a skills boost, Matt Zalaznick, University Business, October 2015

July 2015
Research Topic #14. MOOC Pedagogy
AMP: A Tool for Characterizing the Pedagogical Approaches of MOOCs
Karen Swan, Scott Day, Leonard Bogle, and Traci van Prooyen
University of Illinois Springfield

Figure 3. Ratings Metaphors

September 16, 2013
Research Topic #15. Issues of Quality
Rwandan Degree Program Aims for a 'University in a Box', Chronicle of Higher Education, Megan O'Neil
http://chronicle.com/article/Rwandan-Degree-Program-Aims/141631/

Students attend an orientation session at Kepler, a new hybrid program in Kigali, Rwanda, which will use MOOCs and classroom time to help students earn competency-based associate degrees.

Half-Way Pt.
Which of the research ideas mentioned so far match what you have written down? (Enter in Chat Window)

Research Topic #16. Impact of Mobile MOOCs
(e.g., mobile courses on smartphone and perhaps soon on smart watches)
January 7, 2015
Research Topic #17.
Flipped the Classroom with MOOCs
When a Flipped-Classroom Pioneer Hands Off His Video Lectures, This Is What Happens, Jeffrey R. Young, The Chronicle of Higher Education
http://chronicle.com/article/When-a-Flipped-Classroom/151031/

A student watches a video of Norman Nemrow's accounting class. Mr. Nemrow started the video lectures nearly 15 years ago at Brigham Young U. He is now retired, but students still watch him on the screen.

June 16, 2015
Learning is More Video-Based
Lynda.com Excel Training, 1U Acquired for $1.5 Billion, April 23, 2015

April 23, 2015
Research Topic #18.
Cost-Benefit Analysis
Offloading Semesters or Years to MOOCs
The Catch in Arizona State’s Low-Cost Freshman Year Online: No Aid, Chronicle of Higher Education, Thomas Fisher

Anant Agarwal, the head of edX, which teamed up with Arizona State U. in the new project: “Our mission is to provide education to people who need it the most.”

January 8, 2015
Obama Plan Would Help Many Go to Community College Free
JULIE HIRSCHFELD DAVIS and TAMAR LEWIN, The New York Times

President Obama running onto the stage before delivering remarks at Central High School in Phoenix on Thursday. Credit Doug Mills/The New York Times

Building Talent Pipeline
Master’s Degree Is New Frontier of Study Online, August 17, 2013, The New York Times
By Tamar Lewin
http://chronicle.com/article/MOOCs-May-Not-Be-So-Disruptive/140965/
http://extensionengine.com/putting-moocs-to-work-recap-infographic/#.VExR4o3wtjs

August 5, 2015
Research Topic #19.
Nanodegrees and Microcredentials
How Nanodegrees Are Disrupting Higher Education
John Waters, Campus Technology
http://campustechnology.com/articles/2015/08/05/how-nanodegrees-are-disrupting-higher-education.aspx
October 7, 2015
MIT Master’s Program to Use MOOCs as ‘Admissions Test’, Jeffrey R. Young, Chronicle of Higher Education

MIT Unveils ‘MicroMaster’s,’

The Chronicle of Higher Education

February 2, 2015
Research Topic #20. Accessing Experts Via MOOCs for Informal Learning
Here Comes Professor Everybody: The ‘sharing economy’ meets higher education, Chronicle of Higher Education, Jeffrey R. Young

Kevin delLaplante, an associate professor at Iowa State U., makes an average of $2,500 per month teaching from his home studio (above) on sites like Udemy.

Employee to Employee Training
G2g (Googler to Googler) Training
Seven Ways to Corporate MOOC, Udemy blog, December 23, 2013, Shannon Hughes

https://www.udemy.com/organizations/blog/2013/12/23/seven-ways-to-corporate-mooc/

Classes range from management and public speaking, to parenting and mountain climbing.

February 2, 2015
The Expert Cafe
Here Comes Professor Everybody: The ‘sharing economy’ meets higher education, Chronicle of Higher Education, Jeffrey R. Young

https://www.udemy.com/organizations/blog/2013/12/23/seven-ways-to-corporate-mooc/

August 5, 2015
Shubham Jaglan Overwhelmed by “Dream” Return Home After Double World Championship
Disha Chopra, NDTV Sports


January 15, 2015
Email from Udemy

https://www.udemy.com/organizations/blog/2013/12/23/seven-ways-to-corporate-mooc/
September 15, 2015
Research Topic #21.
MOOCs for Social Impact
Social Learning for Social Impact, edX
Join the world’s first GROOC – a MOOC for groups – to collaborate with others globally and create social change.
https://www.edx.org/course/social-learning-social-impact-mcgillx-groocx
https://www.youtube.com/watch?v=WNg5LFAMdI

September 15, 2015
Research Topic #22.
MOOC Benefits and Impact
Who’s Benefiting from MOOCs, and Why
Chen Zhenghao, Brandon Alcorn, Gayle Christensen, Nicholas Eriksson, Daphne Koller, Ezekiel J. Emanuel, Harvard Business Review

September 22, 2015
Research Topic #23.
Survey Research on OER Awareness and Use
Opening the Curriculum: Open Educational Resources in U.S. Higher Education, 2014
I. Elaine Allen and Jeff Seaman

September 22, 2015
Research Topic #24. Actual Use of Open Access Resources and Materials
Nature, Openwords, etc.
http://www.openwords.com/
https://www.facebook.com/Openwords

October 25, 2014
Research Topic #23.
Survey Research on OER Awareness and Use
Opening the Curriculum: Open Educational Resources in U.S. Higher Education, 2014
I. Elaine Allen and Jeff Seaman
October 6, 2015
Research Topic #25. MOOCs as a Learning Supplement
Using MOOCs to Fill In Your Weak Spots, Hanna Peacock, Inside Higher Ed

April 20, 2015
Research Topic #26. Case Studies
250 MOOCs and Counting: One Man’s Educational Journey, Chronicle of Higher Education
http://chronicle.com/article/250-MOOCs-Counting-One/239997/?cid=at

Various Case Studies: Life Impact from OER and MOOCs

MIT Data: Prepares to Reenter University
(41-50 year old male, Middle East)
Most interesting experience of my own was my use of MIT OCW to refresh on Calculus. I purchased the textbook and followed one of several calculus options on the site. This was quite successful in reintroducing Calculus, as a prep to re-entering college 28 years after graduation - this time to study for a Master’s.

MIT Data: Retiree Develops New Hobby
(70+ year old female, North America)
I'm an avid photographer and have developed skills for developing my own website for display of my photography and books I have written that include my photographs...I've had multiple careers, from science, to public administration, and information technology. The development of my art is a new and exciting experience.

Life Changing Example
My life has changed in a big way. I used these new skills to create a small business that supplements my income. I couldn't use this income solely to support myself, but it does pay some bills.
Research Topic #27. High School Student College Prep and Advanced Placement Courses
edX turns attention to high school MOOCs, eSchool News
[Link to Article]
Courses will help prepare students for postsecondary success, edX rep said.

Research Topic #28. MOOC List Access and Use (and ratings)
Enroll in a MOOC and Reflect (e.g., see Class Central)

Research Topic #29. Unique Pedagogy
Syracuse professor offers free ‘Star Trek’ class to the public, USA Today, Amari D. Pollard, LeMayne College
[Link to Article]

Research Topic #30. Cultural Differences
MOOC Madness in China!
Edtech and MOOC Times in China
Michael Trucano On Tue, 05/12/2015, EduTech
[Link to Article]
The most memorable line from my recent visit to China was this: "We have 12 million K-12 teachers in China who need to receive this particular in-service training, so we started with a group of about 200,000."
Audience Poll #5: Would you like to research MOOCs now?
A. Yes...
B. No...

Any Comments or Questions?
Slides at: TrainingShare.com
Papers: PublicationShare.com
Free Book: http://tec-variety.com/
MOOCsBook: http://moocsbook.com/