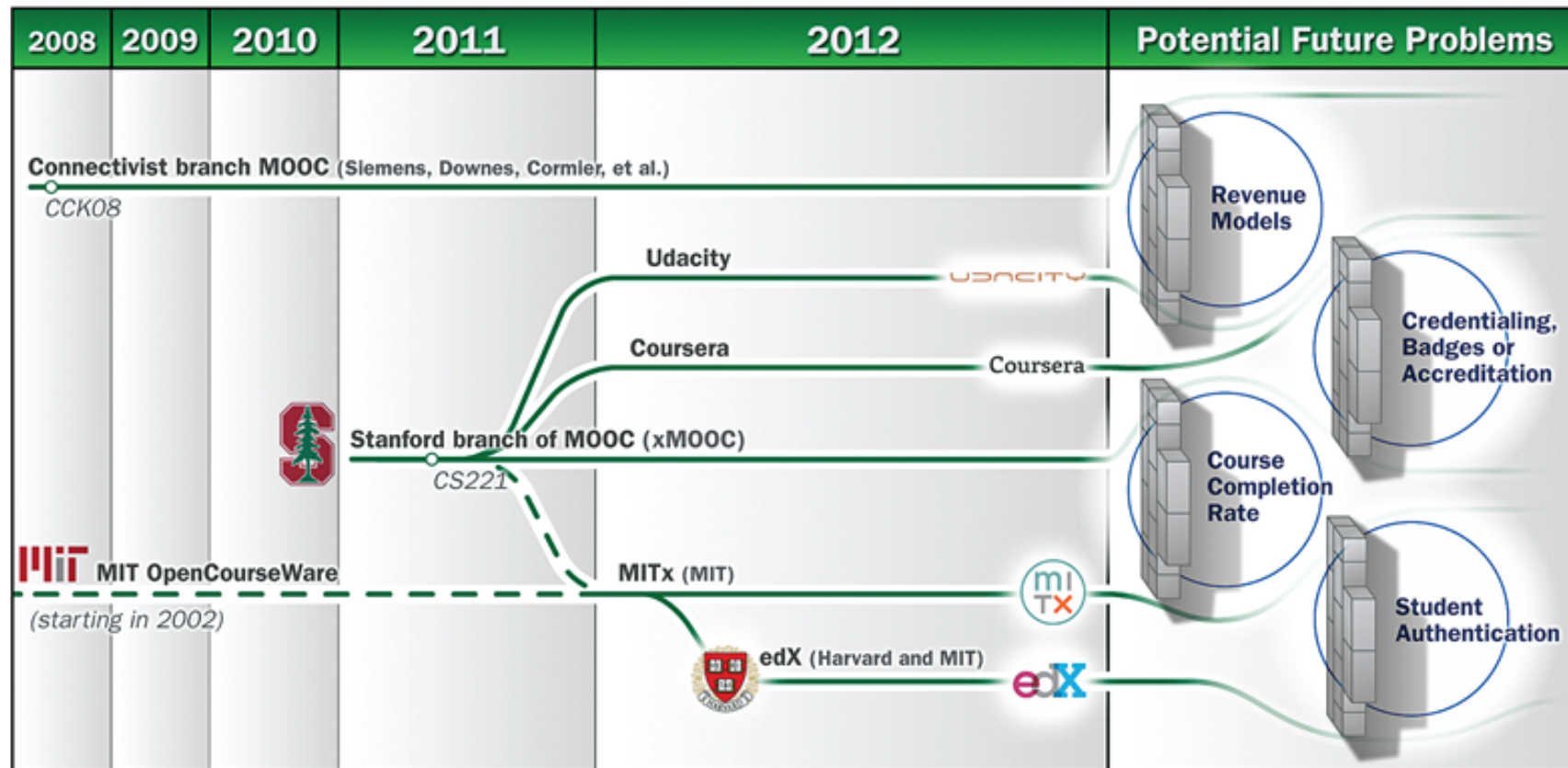


MOOC ?

Some insight



From OCW to x-MOOC and c-MOOC



- Phil Hill, Educause Review , 1^{er} novembre 2012



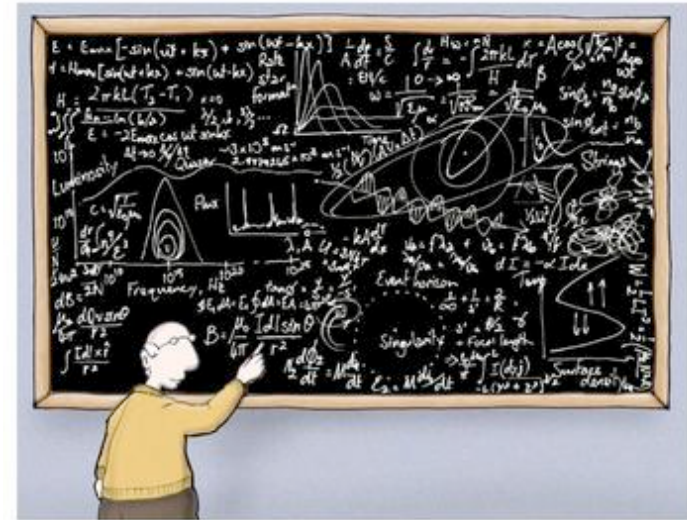
c-MOOC

- The connectivist model
 - « *All learners, all teachers* »
- No build path, no pedagogical path
- Some resources available but
 - Bring your own resources
 - Web crawling more important than anything else
- Aims:
 - Exchanges, social learning
 - Network and connections
 - Acquisition of knowledge
- Certification: how?



c-MOOC

- MOOC: unidentifieds learning object
- « Gathering of people who desire to exchange skills and expertise on a given subject in a collaborative and informal way»



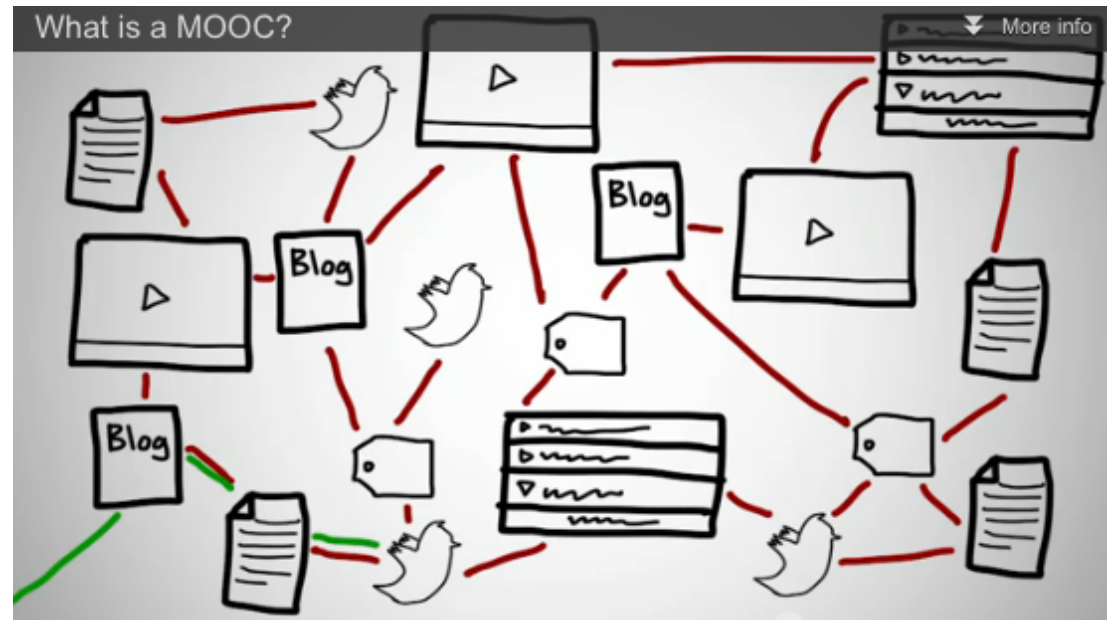
Astrophysics made simple
MOOC'S

MOOC guide <http://moocguide.wikispaces.com>



c-MOOC : a course?

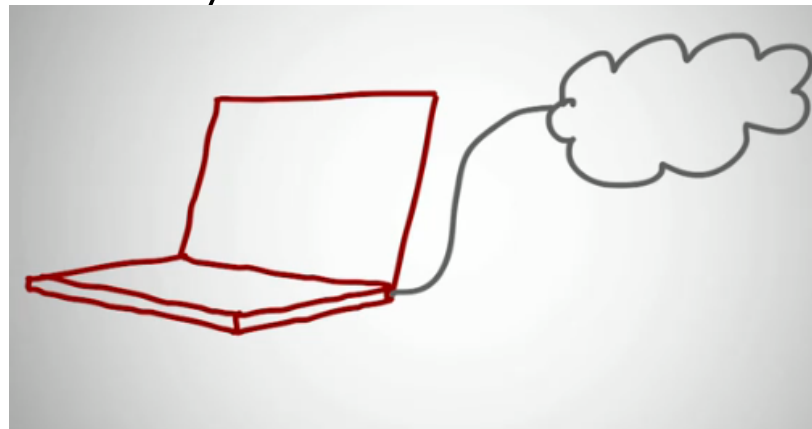
- A c-MOOC is not a course in the usual meaning
 - It is a means to connect people
 - It is a means to collaborate
- It is an event where interested people meet.
- Every participant brings his/her own work
- Every one contributes
- Every one judges the others (kudos)



c-MOOC: a course?

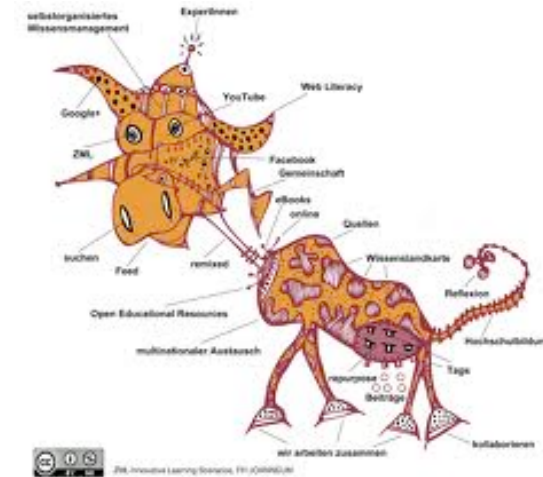
- Course as a collection of documents, videos, blogs, forums, social spaces, tweets, tags...
- Based on a distributed knowledge all around the Web
- Participants are encouraged
 - To be independent
 - To work in their own space (community, language...)
 - To build his/her own community network for life long term

*Dave Cormier
U. of Prince Edward
Island*



x-MOOC

- Main lecture:
 - Videos = the theater
 - Documents = books
- Application classes:
 - Exchanges among participants (forums, social tools)
 - Crowd learning
 - Exchanges with teachers
 - Comments in forums et social tools
- Assessments
 - Quizzes
- Degree = Certification
-



A 21st century answer?

- Alternative to classical learning:
 - Information is everywhere
 - Information is accessible from anywhere
 - Knowledge is distributed (Wikipedia)
- A MOOC is:
 - Open to everybody
 - Participatory
 - Distributed
 - Based on a network of relations for all along the life educational path

**After « blended learning »
« flipped learning »**



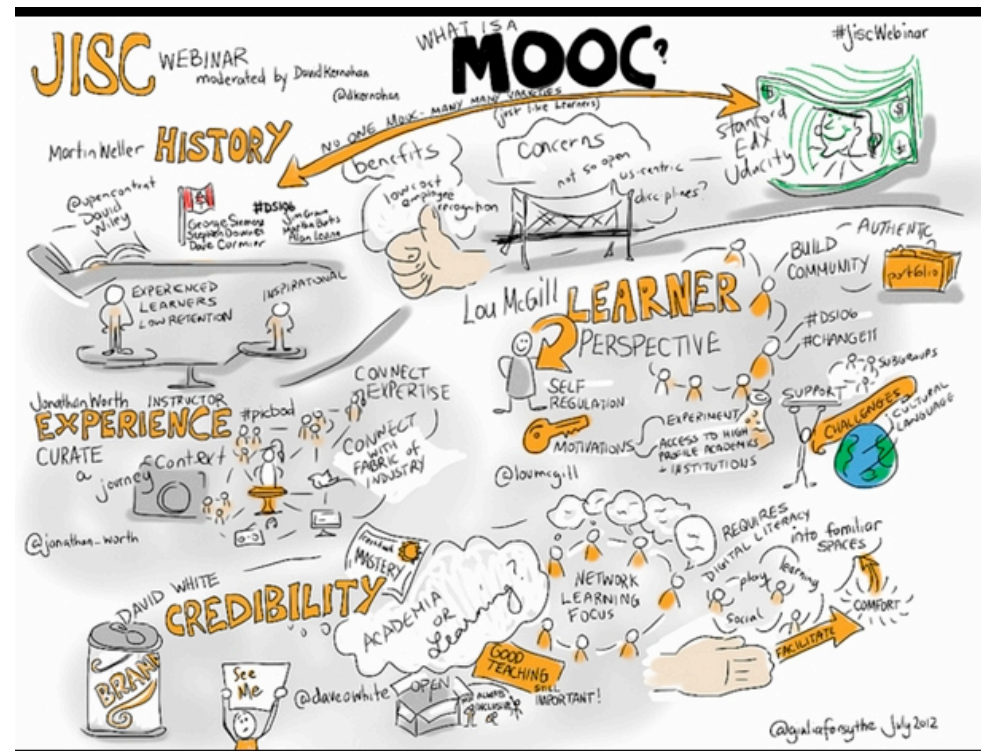
Flipped learning

- Inverted pedagogy
 - All participants
 - All learners
 - All teachers
- End of the classical academic model
 - Delivering documents
 - Pedagogical support
 - Assessments ...
- A new model for the 21st century student



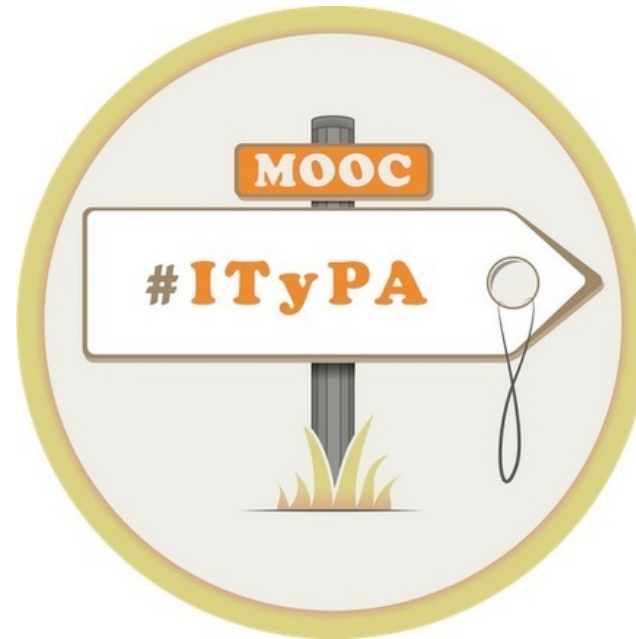
Which MOOC?

- Capability for massive accesses
- Possibility to define private areas with possible tutoring
- Integration of social networks, portfolios, collaborative tools, forums...
- Easyness of use
- Designed for MOOCs only or not?



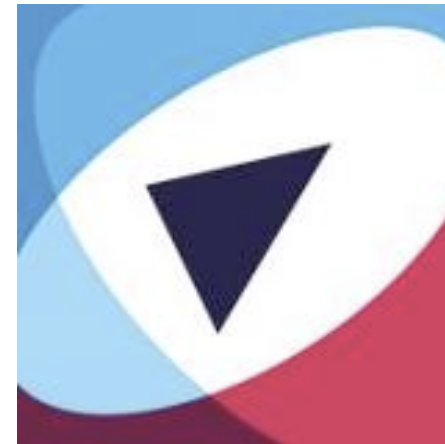
Other MOOCs: iTyPa

- Pure c-MOOC : no special tools
- YouTube
- Web
- Google docs
- 4000 participants

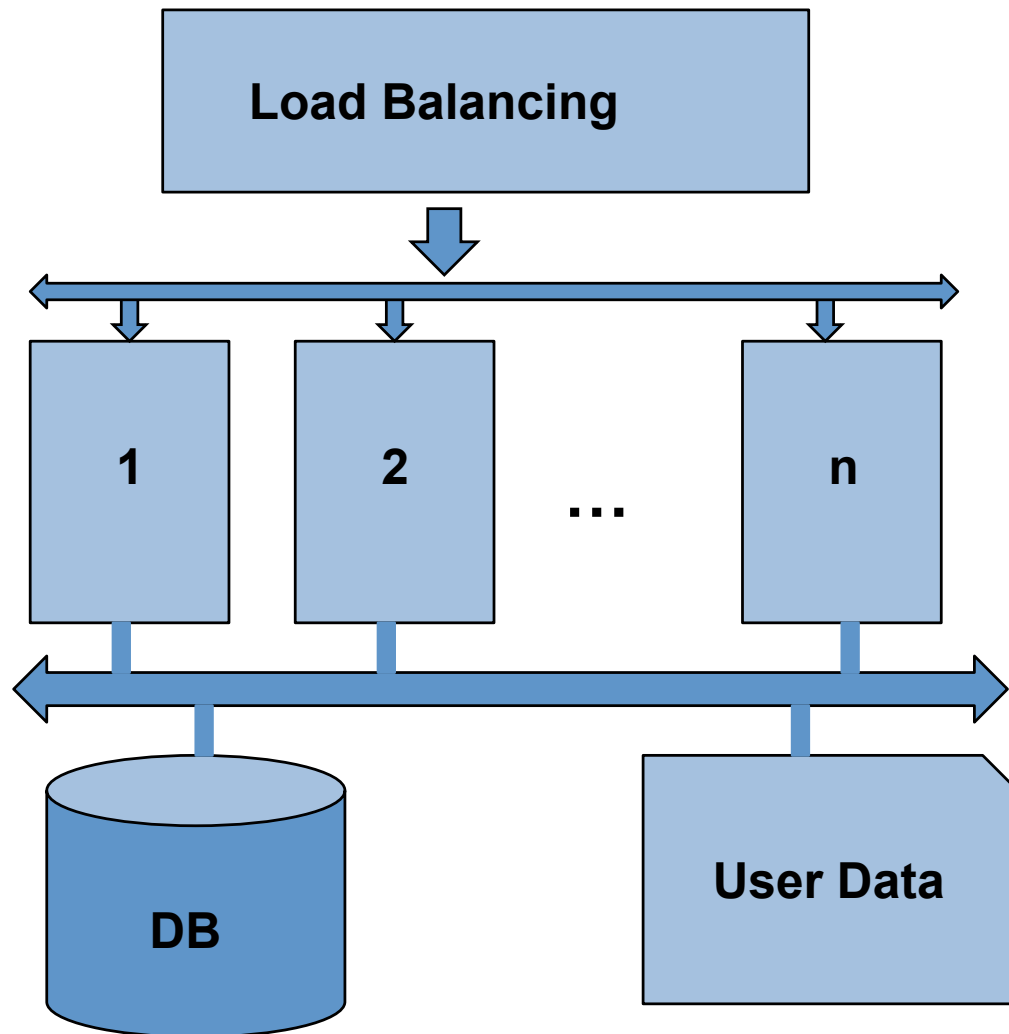


Other Mocos: Sakai CLE

- HEC Montreal
 - <https://edulib.hec.ca/portal>
 - Introduction au marketing november 2012
 - > 3000 students
- University of Amsterdam
 - <http://mooc.uva.nl>
- > 5000 students



A cloud architecture

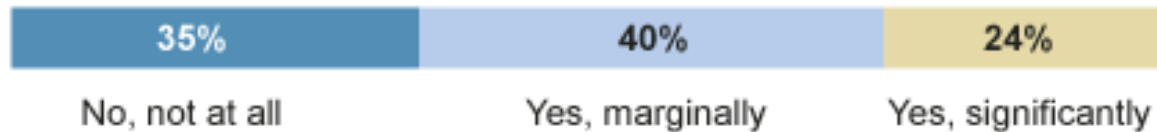


First returns



A diversity of experiences

Do you believe MOOCs could eventually reduce the cost of attaining a college degree at your institution?



Do you believe MOOCs could eventually reduce the cost of attaining a college degree in general?

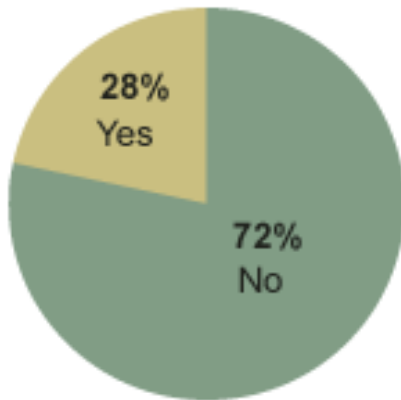


- Steve Kolowich Chronicle of Higher Education 18/03/2013

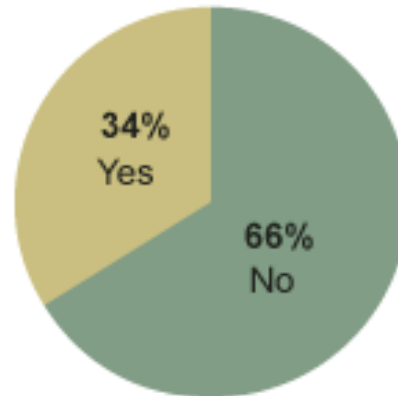


Future?

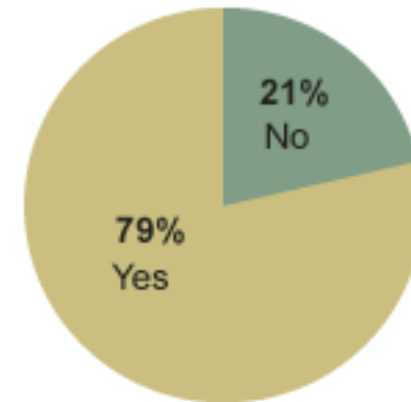
Do you believe students who succeed in your MOOC deserve formal credit from your home institution?



Do you believe your home institution will eventually grant formal credit to students who succeed in your MOOC?



Over all, do you believe MOOCs are worth the hype?



Steve Kolowich Chronicle of Higher Education 18/03/2013



A MOOC is not a course

- A MOOC is not resources in a platform

Which of the following learning materials do you assign in your MOOC?

Original videos



Open educational resources



Other



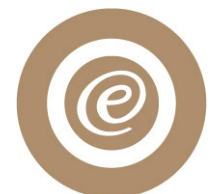
Physical books that must be purchased



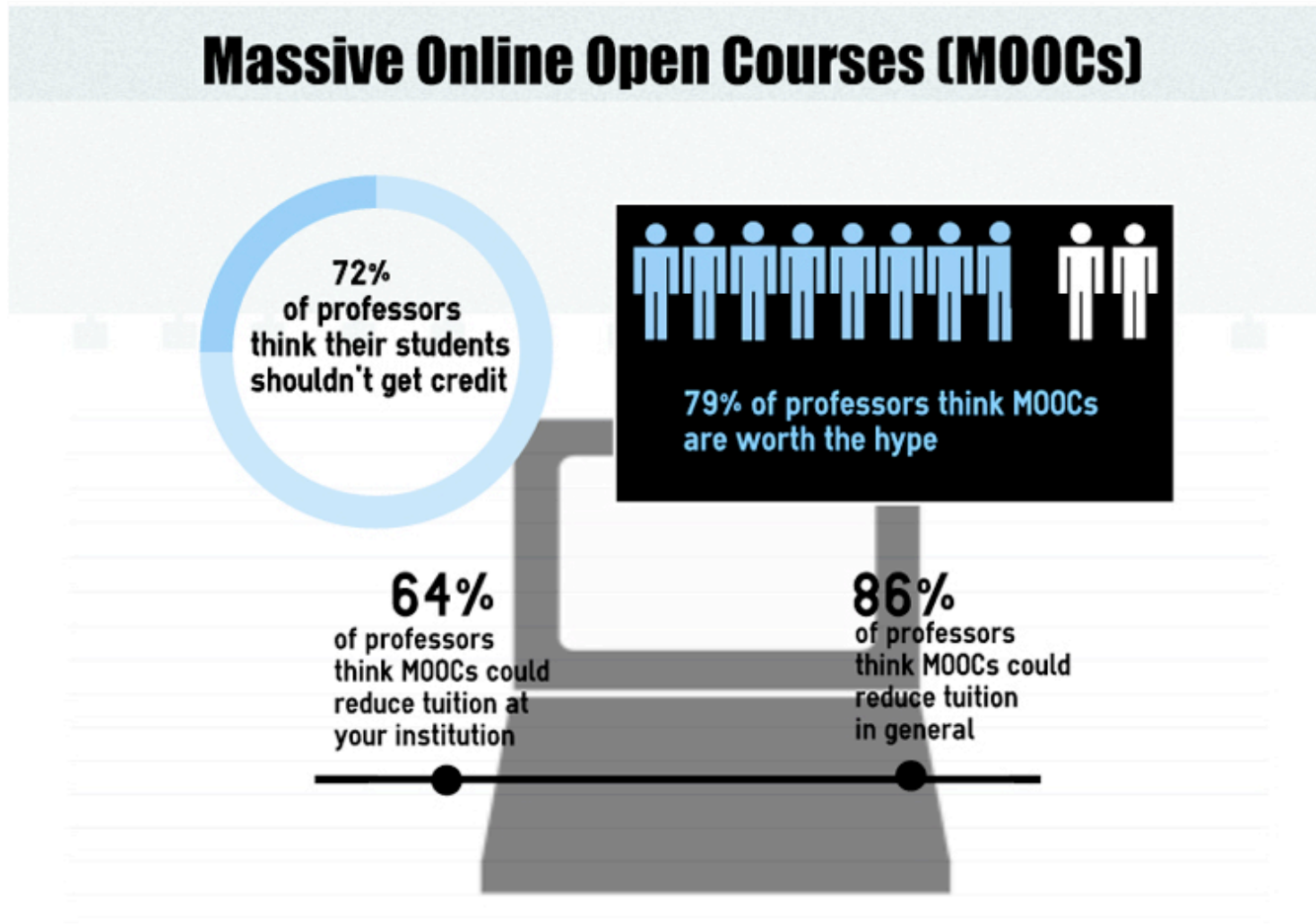
E-books that must be purchased



Steve Kolowich Chronicle of Higher Education 18/03/2013



Future again



- Dayly Free Press 22/03/2013



The MOOC show

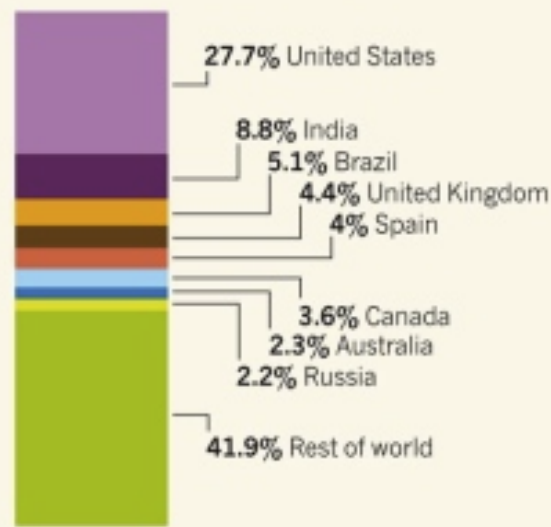
MOOCs rising

Over little more than a year, Coursera in Mountain View, California – the largest of three companies developing and hosting massive open online courses (MOOCs) – has introduced 328 different courses from 62 universities in 17 countries (left). The platform’s 2.9 million registered users come from more than 220 countries (centre). And courses span subjects as diverse as pre-calculus, equine nutrition and introductory jazz improvisation (right).

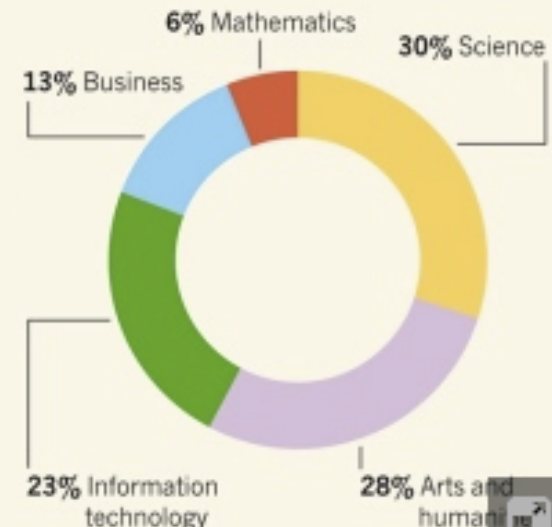
Supply and demand



Student origins



Courses offered



- Dale E. Murray Nature 13/03/2013



2025 horizon?

- Major industrial companies: Google, Microsoft...
- Survival of universities
 - In the USA :
 - Standardized curricula under pressures to reduce costs and prices.
 - In Europe :
 - Concurrency between universities and education business
 - Certification and graduation
 - TROC : Tiny Restricted On-Line Courses

See edu@2025 R. Katz, YouTube



An aerial photograph of Paris, France, showing a dense urban landscape with numerous buildings and a prominent red-roofed structure in the center. The Eiffel Tower is visible on the left, and Notre-Dame de Paris is on the right. The text "MOOCs : a revolution?" is overlaid in the center.

MOOCs :
a revolution?

A revolution?

- **No**: Open University UK model from 1992 adapted to 2013 technologies
- **Yes**: admitted economical objective: the alternative to face-to-face teaching for mass education
- A new way of teaching?
 - **Yes**: acquisition of knowledge without teachers
 - **Yes**: acquisition of competencies : c-MOOC approach but not adapted to all fields.
- Assessment of knowledge and competency ?
 - **No**: automatic quizzes without teachers do not suffice
 - **Yes**: methodology already in place in some fields



An alternative?

MOOCs do not replace face-to-face or any equivalent means for distance learning.

Example : First year of Medicine in France

- 2500 students, 480 retained
- Conditions of success
 1. Excellent grades for baccalauréat
 2. Additional expensive small classes

But some industry leaders try to make believe that MOOCs are the alternative to the “King teacher”
(Xavier Niel, Iliad & Free)



Changes to come

- Distance learning
 - End of synchronism with the university timing
 - End of organization by ECTS
 - Certification or graduation?
- Open University
 - Bring a new public to the university
 - Retired people
 - Knowledge lurkers
- Continuous education
- Prerequisites and remedial courses
- Battle with business for alternative graduation

MOOCs will have a major impact



A scenic view of the Paris skyline from the water. In the foreground, a white boat is docked on the left. The middle ground is filled with lush green trees. In the background, several large buildings are visible, including the Eiffel Tower on the left and Notre-Dame de Paris on the right. A white text box with the word 'Discussion' in red is overlaid on the center of the image.

Discussion

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