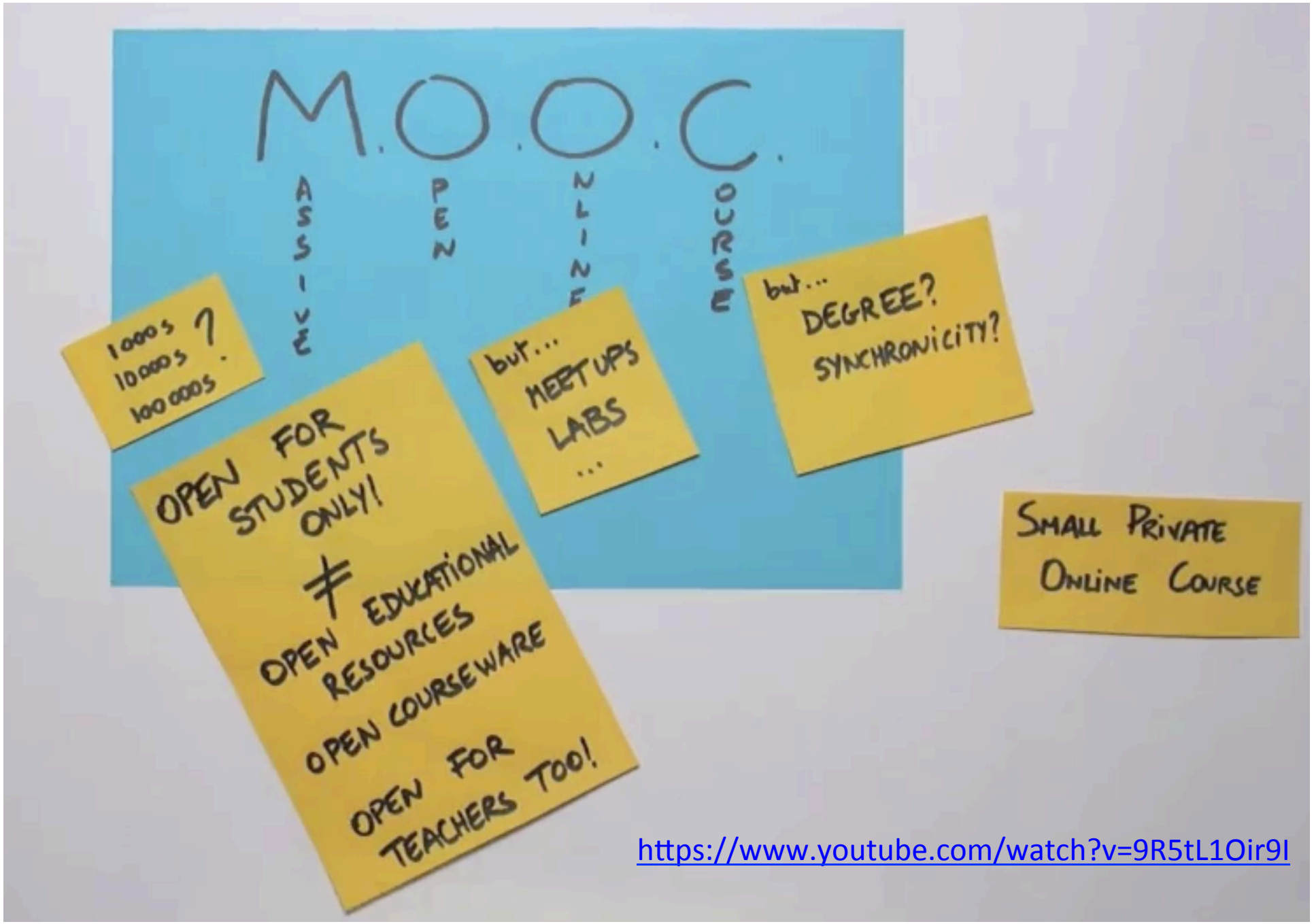
MOOCS

thanks to

Paul Olivier Dehaye



https://www.youtube.com/watch?v=9R5tL1Oir9I

Structure of a MOOC

DURATION: from 6 to 12 weeks. A MOOC
ACCESSIBILITY: 24 hours a day, 7 days a week.

ENROLMENT: Generally free, but you pay if you want a certificate

The majority of the content is delivered asynchronously (there can be optional synchronous events such as 'live' webinars which require participants to join in at specific dates/times.

COMPOSITION: set of videos of 5-10 minutes each, reading material, assessments

ASSESSMENT: multiple-choice questions.

Structure of a MOOC

ASSIGNMENTS: . Student have to upload assignment solutions into the MOOC platform.

ASSIGNMENT GRADING:

- Automatically when possible.
- Peer-to-peer: students evaluate and grade themselves.

FORUM, where students post questions that other students can answer.

See also http://desarrolloweb.dlsi.ua.es/moocs

CERTIFICATE

Some Moocs

- https://www.mooc-list.com/
- https://www.edx.org/
- https://www.coursera.org/browse?source=deprecated_spark_cdp

Some numbers

MIT MOOC (MITx - 6.002x: Circuits and Electronics.),

- 154,763 registrants.
- 69,221 people (45%) looked at the first problem set,
- 26,349 earned at least one point (17%)

Midterm assignment

- 13,569 people looked at it while it was still open
- 9,318 people got a passing score on the midterm (6%)
- 7,157 people earned the first certificate (4,6% of the enrolled, i.e. 27% of those who really manifested interest).

Some numbers

- Coursera's Social Network Analysis class
- 61,285 students registered,
- 1303 (2%) earned a certificate,
- 107 earned "the programming (i.e. *with distinction*) version of the certificate" (0.17%).

Questions

- Where do the students come from?
- Which videos are most popular, and which ones attract little interest?
- Are students actually watching the videos on the assigned dates?
- Are viewers watching all the way through?
- At what point in the lecture, if any, do viewers stop watching?
- Are there any portions of the videos that are being watched repeatedly?
- Are the students watching the videos by the assigned deadlines?
- Do the videos generating active user engagement? Do students edit, share, download the material?

History of MOOCs

- origins and evolution
- x-moocs vs c-moocs
- https://www.youtube.com/watch?v=oSbom7XETto 6:09

why now?

- https://www.youtube.com/watch?v=BWWf_THjvpE 3:26

George Siemens and c-moocs

- George Siemens on Connectivism 3:15
  https://youtu.be/yx5VHpaW8sQ

- George Siemens on c-moocs
  https://youtu.be/mfr7d6zYMus 3:46

x-moocs

- Anant Agrawal https://youtu.be/rYwTA5RA9eU
  15 min

- Daphne Koller https://youtu.be/U6FvJ6jMGHU
- 20 min

- Peter Norwik https://youtu.be/tYclUdcsdeo 6 min

What is important in teaching?

- Focus as a teacher

https://www.youtube.com/watch?v=2oPKkTpO7Lo 6:56

How moocs can be helpful?

- feedback
- https://www.youtube.com/watch?v=MLZoTdazuZg 2:25

The model

- Analytics

https://www.youtube.com/watch?v=0jRee_Ks8qU 4:52

- Startup iteration cycle

https://www.youtube.com/watch?v=3SI7-oDqoFI 1:45