MOOCs and the Opening Up of Higher Education

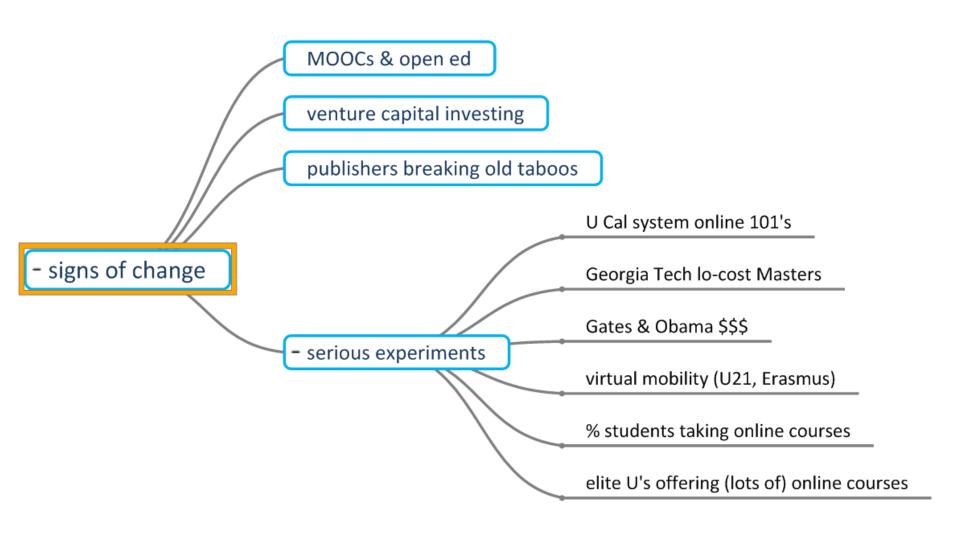
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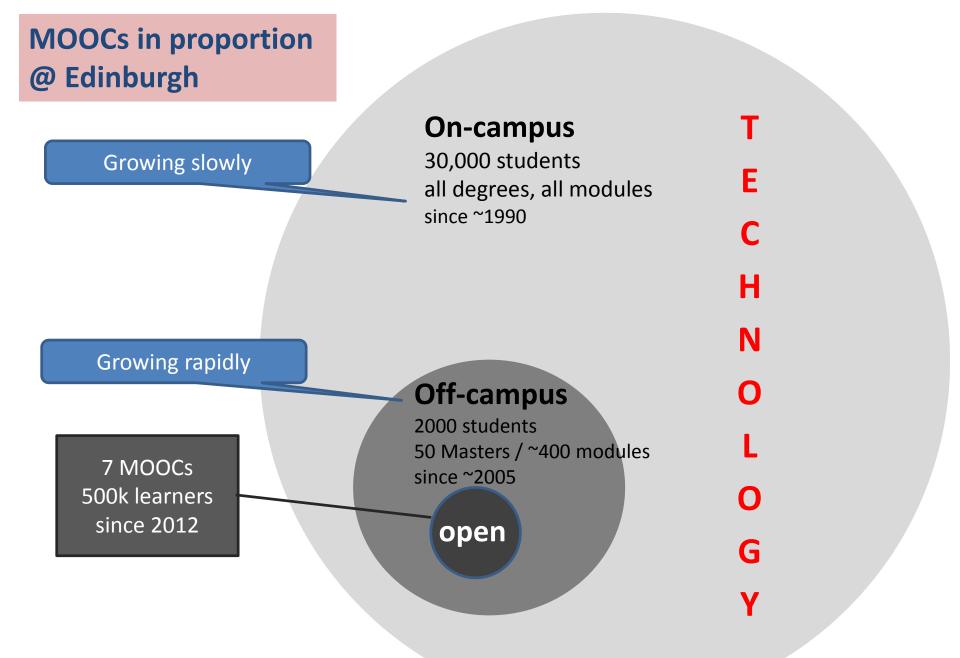
changing students changing academics 'innovative university in 21st C' technology affordances (esp assessment) - drivers of change disintermediation/unbundling/credits & badges fees/costs vs value of degree governments/political imperatives - 'silver bullets' new HE providers/loss of old (UK & beyond)



MOOCs.....

- ☐ are open to anyone no mandatory qualifications
- have no fees for study
- have enrolments at start >>> learners at end
- have learners (not students of offering universities)
- are fully online
- are very lightly tutored & supported
- ☐ are assessed (in various forms, formative & summative)
- → have low study hours per week, on modules not degree programs.
- offer 'statements of accomplishment' rather than credits (but...)
- are a different business model to trad HE





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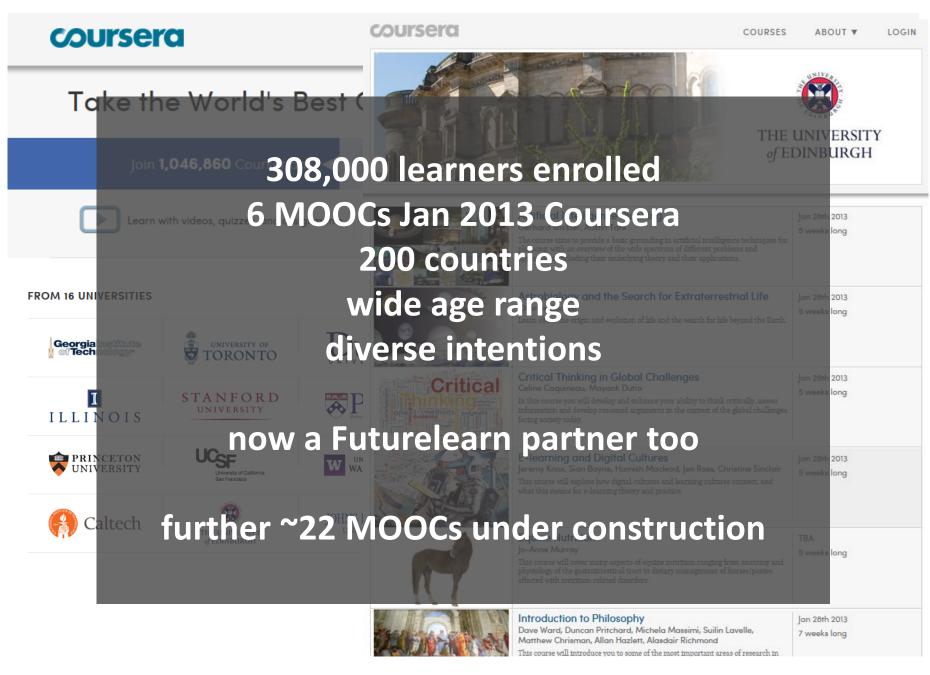
Training for professionals.

Professional development



Students

- New students
- Student services
- Your studies



Why did Edinburgh offer MOOCs?

- Reputation early adopter of educational technology
- Exploration of a new pedagogical 'space' to inform practice
- Wish to reach as widely as we can with our courses
- Sharing experiences with peer universities
- ☐ Fun!

Not money.....



Who studies on MOOCs, and why?

□ Limited data – enrolling on a MOOC doesn't require ID!!
 □ For Edinburgh's 6 MOOCs (launched with 308,000 learners) we had:

 ○ Mainly 18-35 years old; female = male;
 ○ UG degree and many with PG degree; lots in education/training;
 ○ wanted 'to learn new things'; wanted 'to see what MOOCs are about'; few wanted certificate or career enhancement
 ○ US + UK dominate enrolments (~30-50%) but truly global too
 ○ % from disadvantaged backgrounds small BUT to them, an important opportunity

 □ Patterns from other MOOCs very similar, altho some courses are more

- These are data from 'first offerings' may well change dramatically
- □ Data are at: http://edin.ac/YWGDdK

career-oriented

Governance for online learning & for MOOCs

Agile when necessary (MOOCs), standard processes when not (taught online)

Educate the governance participants rather than create additional mechanisms

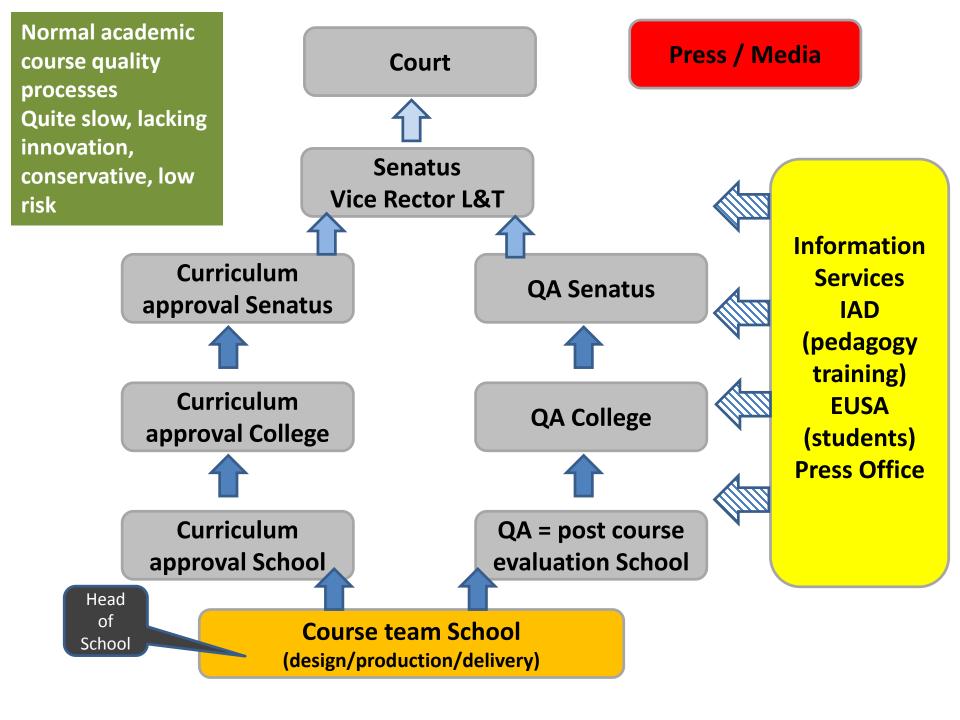
Quality management throughout

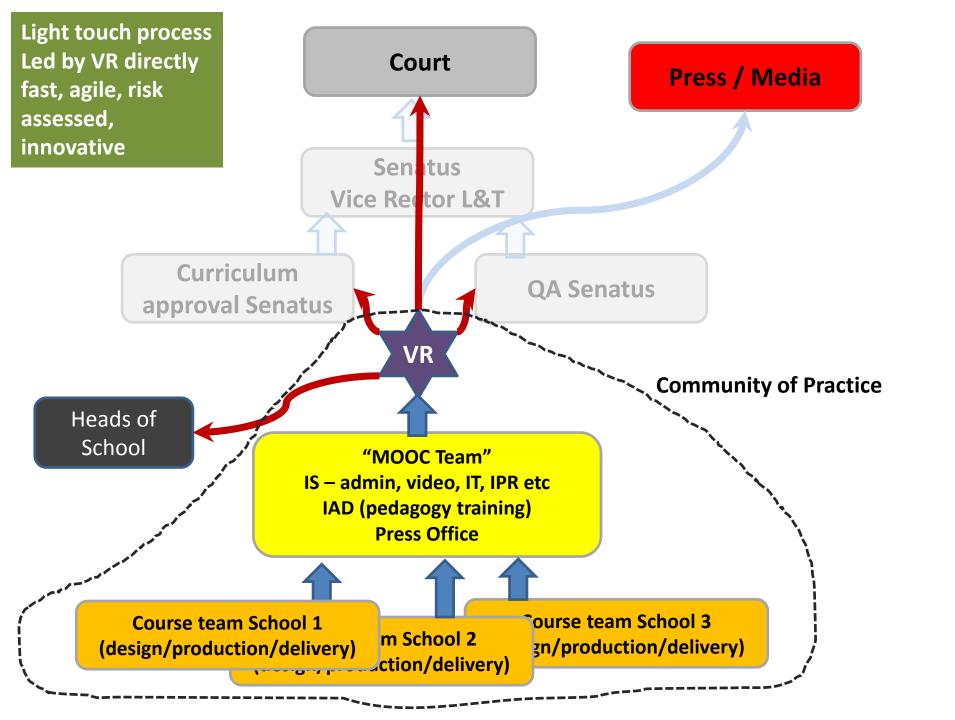
Explicit risk assessment & risk mitigation

Understanding & exposing return on investment

Trust, trust, trust







MOOC subjects & 'platforms'

Subject area	Coursera	edX	Udacity	Futurelearn	OpenUpEd	FUN	?
Computer science	89	13	18	1	0	0	
Arts/humanities	105	18	0	7	23	3	
Social sciences (incl teacher ed)	228	16	2	12	31	6	
Science & engineering (excl CS)	228	87	8	8	9	8	
Clinical (M & V)	126	8	0	5	0	4	
Total MOOCs (active+planned)	493	62	28	33	65	21	
Partners/members	421	28	n/a	29	12	11	

As of Jan 2014

What impact have MOOCs had?

□ On presidents/SMTs of universities ★★★
 □ On governments/agencies ★★★
 □ On faculty
 □ On students
 □ On student funders, incl parents

On the media

http://star.arm.ac.uk/

☐ Varied by region: US·UK·Europe·Oz·NZ / SE Asia / China / Asia / S & C America

NB: This is very subjective – there are 1000s of universities in the world!!

Where might MOOCs go next?

- ☐ Fade away bubble bursts
- ☐ Hold steady case for expansion not clear to universities
- Expand & diversify ✓
- Emergence of specialised MOOCs unique areas



http://www.csmonitor.com

Catalysts for change

☐ 'Light teaching' at large scale Mastery assessment Teaching with courses from other universities Really opening up the curriculum | virtual mobility Assessment of remote learners (esp for high stakes) Credit for open courses (=RPL?) Degrees at the learners' speed ☐ Fees | prices vs costs | financial transparency for teaching

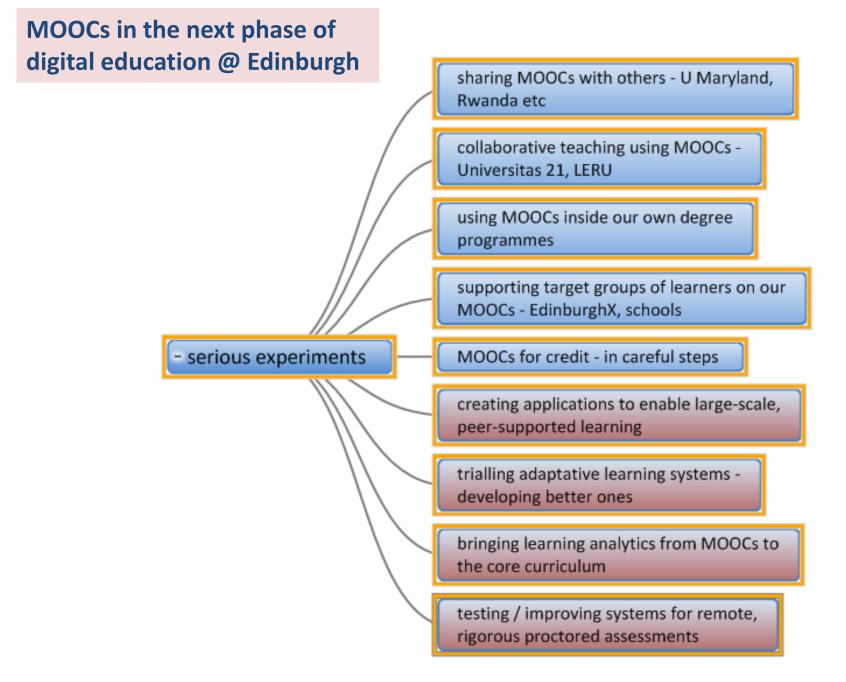
Examples of many of these exist, in practice or in exploration

Challenges for us in the next 5 years

- 1. Strategic direction 'MOOCs as a passing phase'
- 2. \$\$\$ / £££ / €€€ investing in hard times
- 3. Our faculty/academics preparedness for change?
- 4. Lack of sufficient curriculum design support / digital infrastructure
- 5. Student receptiveness to deep educational innovation
- 6. Political will the search for the painless silver bullet
- 7. Going the way of the music/newspaper etc sectors not unaware, but not able to bite the tough bullets

Gates Foundation Gives \$9-Million in Grants to Support 'Breakthrough' Education Models

June 19, 2012, 11:00 am



Online learning research @ Edinburgh 2013

Five research themes

- New pedagogies
- Virtual mobility
- Learner analytics
- Intelligent tutors / knowledge technologies
- Policy & strategy for online learning

