

Open(ing up) Education: OCW, OER, MOOCs in a conventional world - what's up in Europe?

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Content

- MOOCs
- ‘Opening up Education’ (EU)
- What about ‘Open’?
- The 5COE model
- ‘Fingerprints’ in 5COE
- Government’s Responsibilities
- OpenupEd MOOCs
- Final observations and recommendations



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IT BEGAN IN CANADA...

"IT'S DISRUPTING EVERYTHING!"

"IT'S A TSUNAMI OF POORLY UNDERSTOOD PEDAGOGY!"

DAY OF THE MOOC

STARRING: George SIEMENS – David WILEY – Dave CORMIER – Stephen DOWNES
Connectivists unleashing a force they cannot control!



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MOOCs

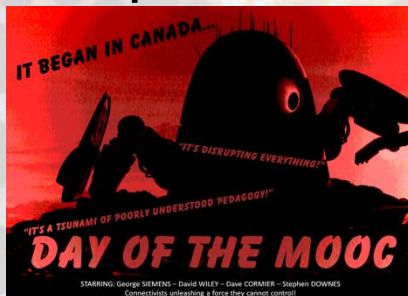
Massive Open Online Courses

Courses: courses, mostly in a fixed schedule of n weeks, to be completed with a certificate of participation (and sometimes - through third parties, proctored and with a fee - with a for-credit-certificate)

Online: through internet, generally based on video lectures + facilitated interaction + automated feedback and self-tests

Massive: many participants: the first xMOOC had 160.000, but meanwhile after the enormous MOOCs expansion ...

Open: freely accessible (no fee, no entry requirements), independent on place and time, but 'open' is more ...



Something New in Shock-thriller Education

EdUCCA presents An Infinite Scale Production

MOOC HYSTERIA

<http://cogdogblog.com/2012/07/17/mooc-hysteria/>

mooc-hysteria

starring

Stanford University
University of Virginia

<Insert your institution here>

Produced by Daphne Koller
Directed by Sebastian Thrun



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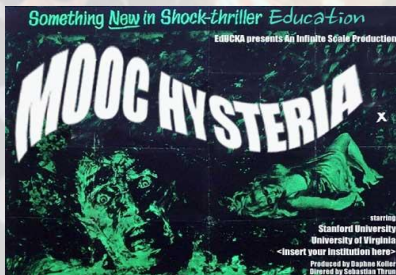
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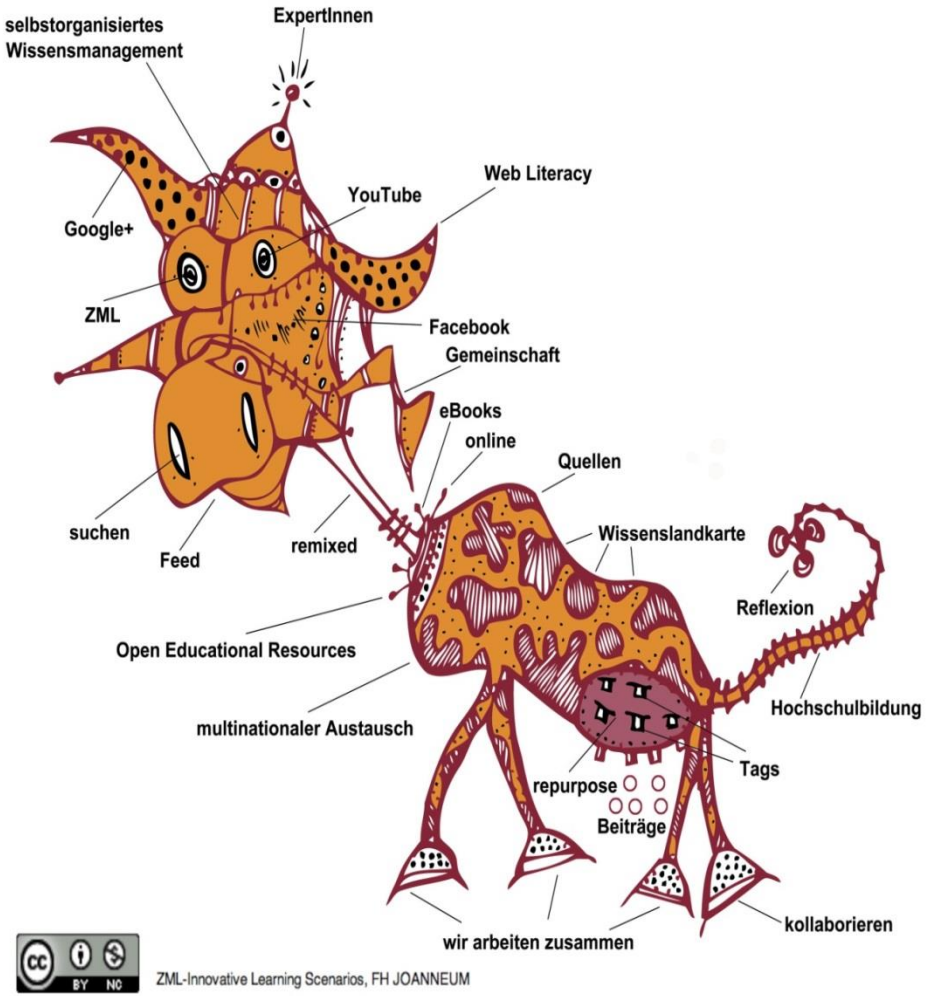


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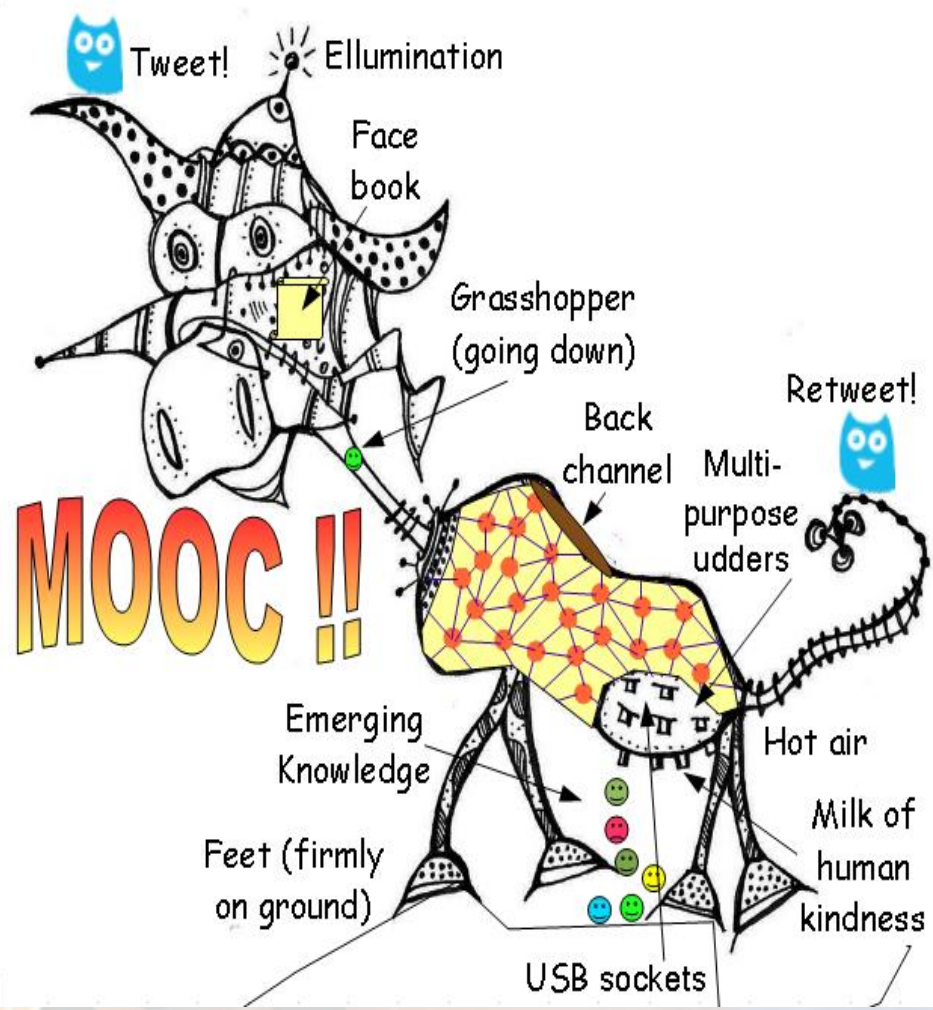
MOOCs in variety ...

- > **cMOOCs (network):** in 2008 the first by **Siemens & Downes** (Manitoba) about 'Connectivism and Connective Knowledge' with 25 students plus 2.300 participants
- > **xMOOCs (content):** in autumn 2011 the first by **Norvig & Thrun** (Stanford) about 'Artificial Intelligence' with 160.000 participants (23.000 'completed')
Meanwhile enormous expansion in courses and universities
- > More diversification: **mMOOCs, OLDS MOOCs, mOOCs, ...**
- > **OpenupEd MOOCs ('classical'/OU & digital openness):** launched in April 2013 by **EADTU**, joint press release with the EC (11 partners, 12 languages)





ZML-Innovative Learning Scenarios, FH JOANNEUM



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European MOOC Stakeholder Summit

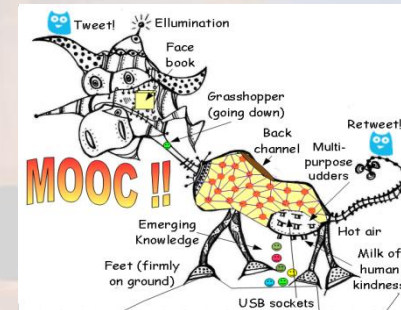
June 6-7 at EPFL in Lausanne (70 people)

European response in MOOCs movement, so far US dominated

- > EU universities **join US consortia** Coursera or edX
- > **One pan-European** initiative **OpenupEd** (OUs mainly)
- > New platforms in EU: Spain (**MiriadaX**), Germany (**Iversity**), UK (**FutureLearn**) {+ since Oct. France (**FUN**)}

Some observations

- > **EU assets:** Bologna/ECTS, (virtual) Erasmus, research record, multicultural, public funding
- > **Issues:** diversity, quality, lifelong learning, learning analytics, degree of openness (e.g. licensing!)
- > **Universities role crucial in:**
 - overall curriculum, providing services,
 - social experience, dialogue researchers,
 - infrastructure, a brand, ...



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EU: 'Opening up Education'

- > **25/9 launched: Finally but Timely** <
- > **Relevant and Significant** <
- > **Phrasing plus Budget (2014-2020)** <
- > **Broad Scope (DGs CONNECT + EAC)** <
- Innovative teaching and learning for all through ICT
- Reshaping/modernizing EU education through OER
- Digital competencies, infrastructures, interoperability
- Equity, quality, visibility, licensing, certification
- > **Concerted effort / integrated approach** <



OuE well-chosen umbrella

Open(ing up) Education (OuE)
seems a subtle change to OE
but is pretty relevant ...

- > **OuE underlines the dynamics and the process** <
(there is no fixed model for education over time)
- > **OuE can adequately accommodate diversity** <
(there is no single ideal model for education)

Brings in Nuance



What's really new in OuE?

Not so much ...

- > ICT for teaching and learning <
- > Equity and Quality <
- > Infrastructures <
- > Digital competencies <
- > Digital content <

But more so ...

***Open Educational Resources (OER)
& MOOCs being part of O(u)E***



What about 'Open' in the *digital world*?

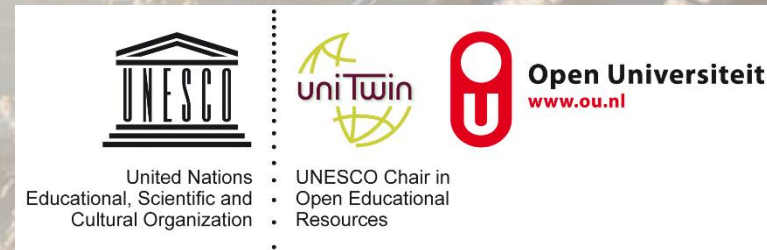
Family regarding *free online availability*:

Open **Source**
(software)

Open **Access**
(scientific output)

Open **Content**
(creative output)

Open Educational Resources / OER
(learning materials)



What about 'Open' in education?

Open Education

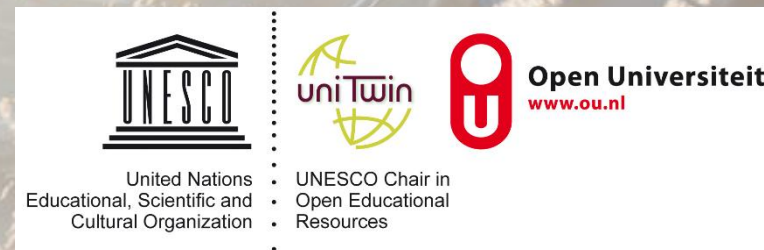
- ✓ **Open Learning** (1971 OU-UK; other OUs)
- ✓ **Open CourseWare** (2001: MIT)
- ✓ **Open Educational Resources** (2002: UNESCO)
- ✓ **Open Education** (2008: Cape Town Declaration)
- ✓ **Massive Open Online Courses** (2011: xMOOCs / 2008: cMOOCs)

Opening up Education (2013: EU)



Open Education in Wikipedia (May 2013)

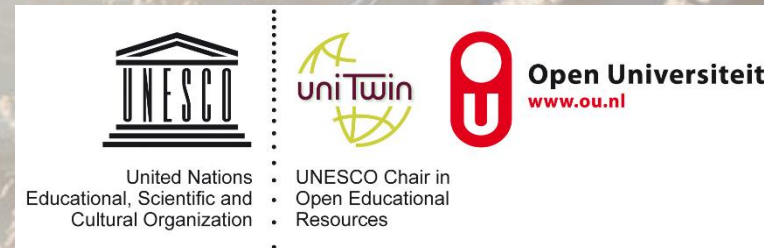
“Open education is a collective term that refers to educational organizations that seek to eliminate barriers to entry. Such institutions, for example, would not have academic admission requirements. Such universities include Open University in Britain and Athabasca University in Canada. Such programs are commonly distance learning programs like e-learning, mooc and opencourseware, but not necessarily.”



Open Education in Wikipedia (Oct 2013)

“Open education is a collective term to describe institutional practices and programmatic initiatives that **broaden access** to the learning and training traditionally offered through formal education systems. The qualifier “open” of open education refers to the **elimination of barriers** that can preclude both **opportunities and recognition for participation in institution-based learning**. One aspect of openness in or “opening up” education is the development and adoption of **open educational resources**.

Institutional practices that seek to eliminate barriers to entry, for example, would not have academic admission requirements. Such universities include Open University in Britain and Athabasca University in Canada. Such programs are commonly distance learning programs like e-learning, mooc and opencourseware, but not necessarily. Where many e-learning programs are free to follow, the costs of acquiring a certification may be a barrier, many open education institutes offer free certification schemes accredited by organisations like UKAS in the UK and ANAB in the USA where others offer a badge.”

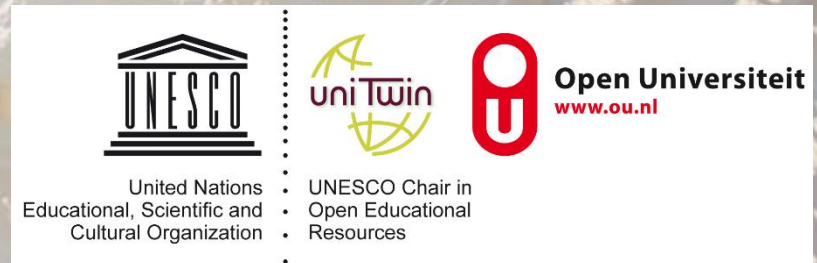


What about 'Open' in OER?

*“OER are teaching, learning, and research resources that reside in the **public domain** or have been released under an intellectual property **license** that permits their **free use** and **re-purposing** by others.*

Open educational resources include full courses, course materials, modules, textbooks, streaming videos, tests, software, and any other tools, materials, or techniques used to support access to knowledge.”

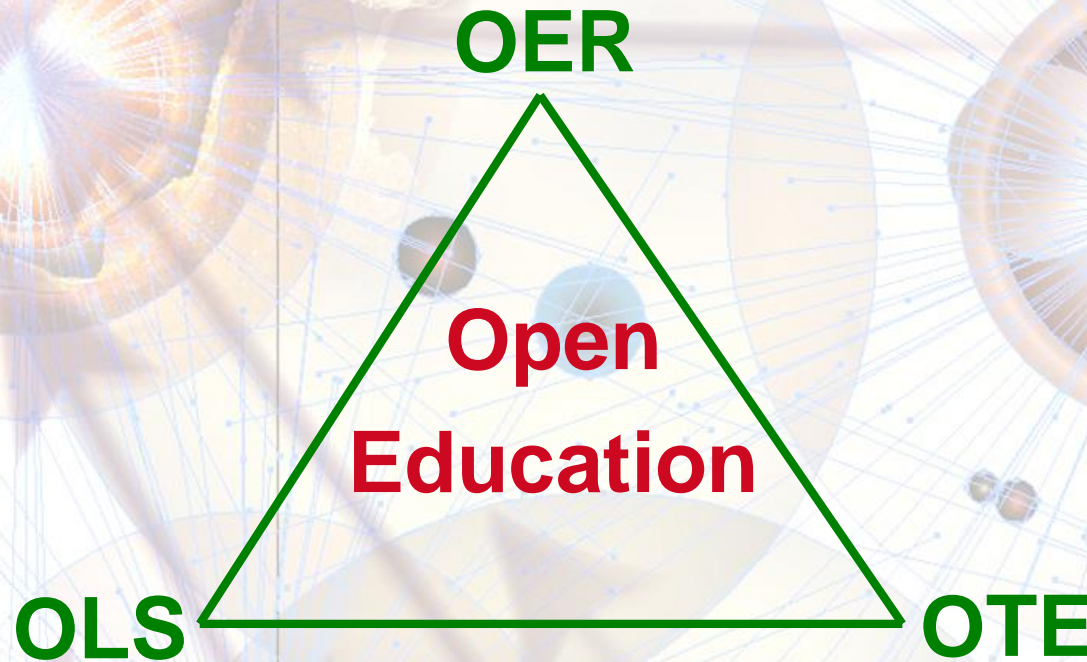
(Hewlett Foundation)



**OER is NOT
Open Education
more components
are required ...**



Open Education (*Supply*)



Open Learning Services (OLS)

Complementary to OER, *free or to be paid*,
and including a variety of
online and *virtual facilities* for:
tutoring, advice, meetings, communities,
teamwork, presentations, testing,
examination, consulting sources,
internet navigation, etcetera ...



Open Teaching Efforts (OTE)

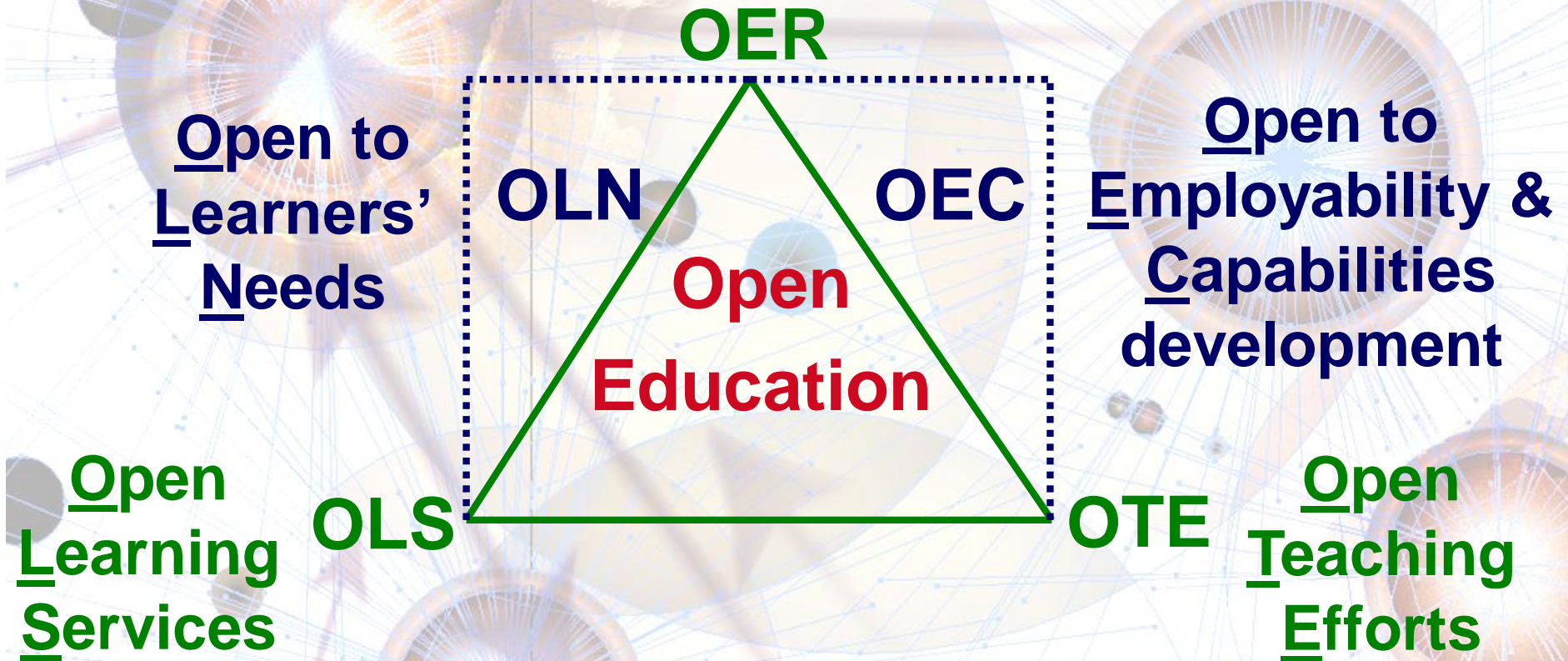
Complementary to OER and OLS, *to be paid for*,
referring to the *human contribution*
to the education provided,
the efforts of *teachers, instructors, trainers,*
developers, and support staff
in their various roles,
in a professional, *open, and flexible*
learning environment and culture.



Open Education is NOT
Supply side only
should also include
Demand side ...



Open Education *(plus Demand)*



Open to Learners' Needs (OLN)

Learners expect affordable, 'do-able', good quality, interesting, beneficial education, *but also the 'classical' openness (OUs):* freedom of time / pace / place, open entry, open programming, *and provisions for lifelong learning,* credentialing, smooth switching between formal and informal learning, etcetera ...



Open to Employability & Capabilities development (OEC)

‘Society’ expects education to suit
the changing society and labour market,
the decisive role of knowledge and innovation,
and the influence of globalization,
but also to offer scope for new skills,
critical thinking, ethics, creativity,
personal growth, and citizenship.

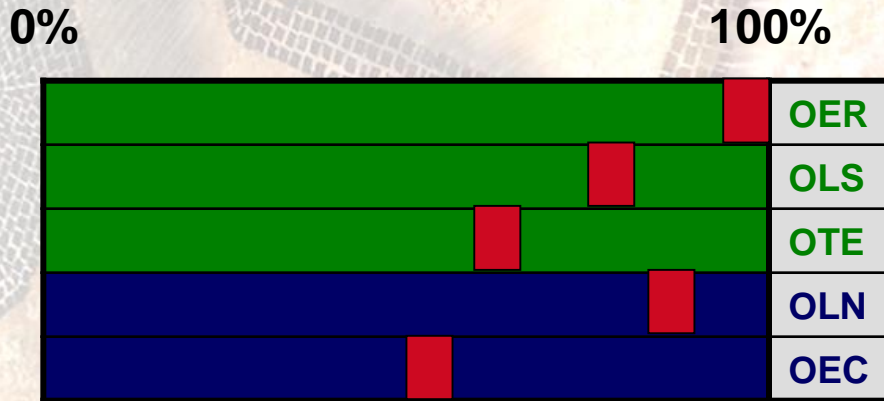


5COE Model

- > does justice to diversity <
- > to be used for mapping <



'Fingerprints' in 5COE model



Example nr. 1

*Institutional profile
(fully converted to OER)
in Open(ing up) Education*



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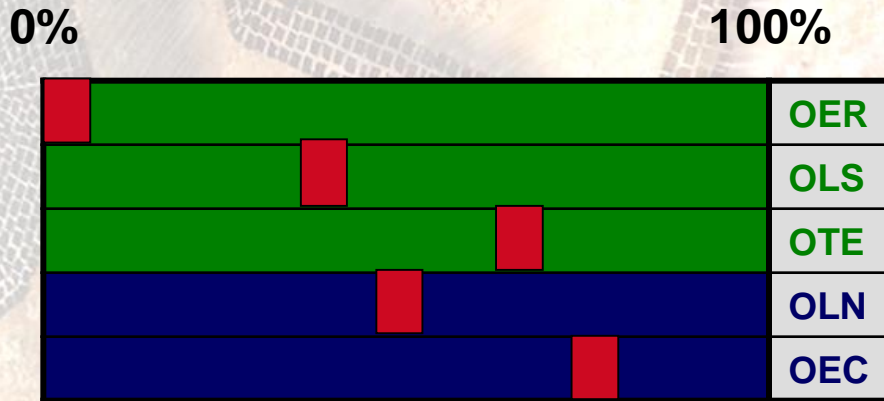


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'Fingerprints' in 5COE model



Example nr. 2

*Institutional profile
(more traditional, but ...)
in Open(ing up) Education*



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'Fingerprints' in 5COE model



Example nr. 3

*Institutional profile
(more traditional, but ...)
in Open(ing up) Education
in the FUTURE ...*



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'Fingerprints' in 5COE model



Example nr. 4
Typical xMOOC
as positioned
in Open(ing up) Education

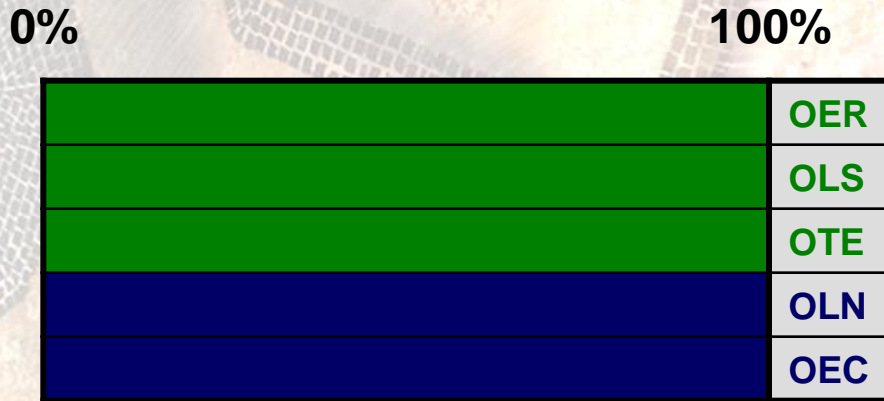
'Fingerprints' in 5COE model



Example nr. 5
Typical cMOOC
as positioned
in Open(ing up) Education



'Fingerprints' in 5COE model



Not recommended
to have all sliders
extreme left or
extreme right

... with an exception for OER ...



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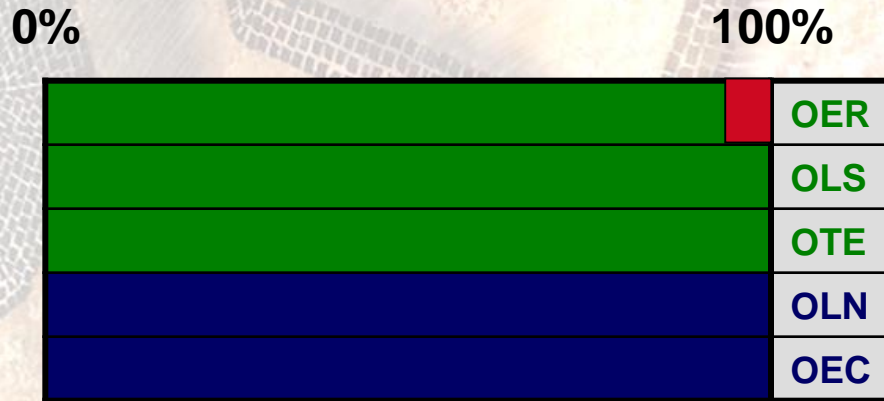


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No-REGRET with OER (1) ...



Indeed **100% OER** can be **beneficial** and **proper** in all cases regardless of:

- > **institutional identity**
- > **learning philosophy**
- > **educational sector**
- > **political context**

and ... for **ALL LEARNERS!**



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Government's Responsibilities for Education

Governments have a threefold
responsibility for education and its system,
that is to *promote and ensure*

- > *accessibility* <
- > *quality* <
- > *efficiency* <

in a *sustainable* manner



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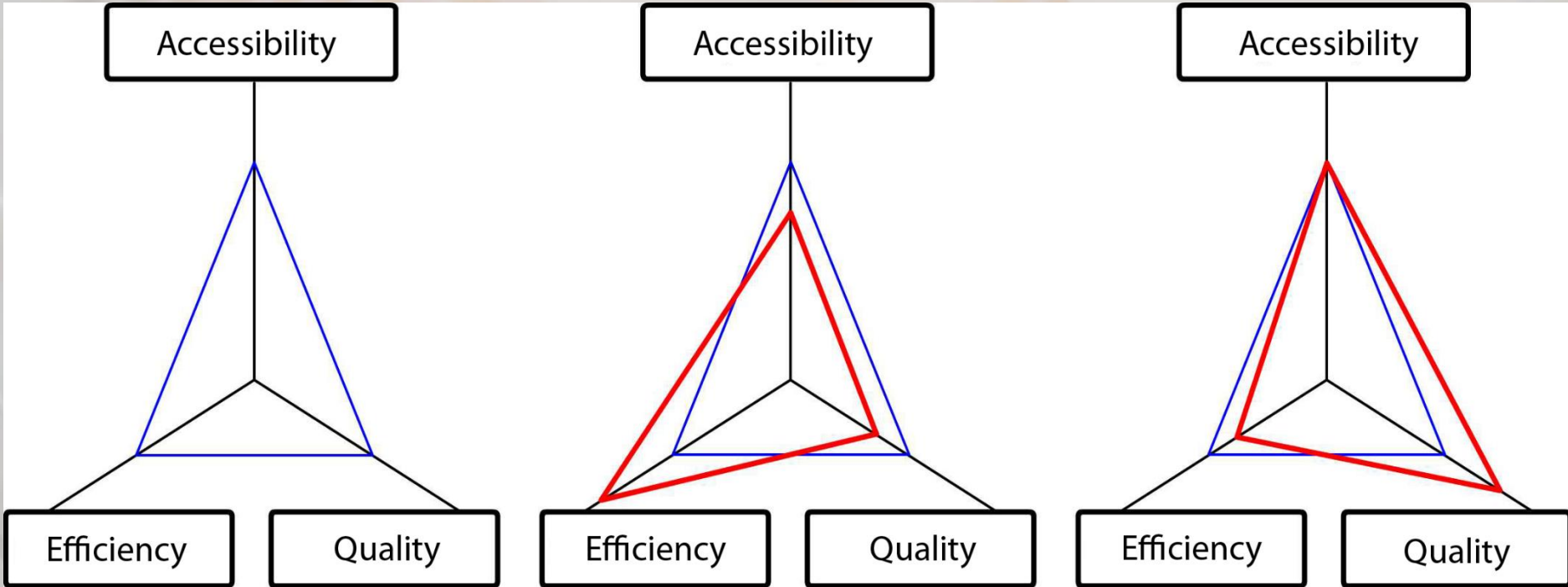
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Education 3D Performance Deadlock (unaltered circumstances / conditions)

'Starting situation'

'Increased efficiency'

'Higher quality'



(Based on the *'Iron Triangle'* by Sir John Daniel)



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Hypothesis

Performance *improvement*
along *one dimension*
inevitably *deteriorates*
the performance along
one or both of the *other dimensions*,
at least at *unaltered*
circumstances and conditions



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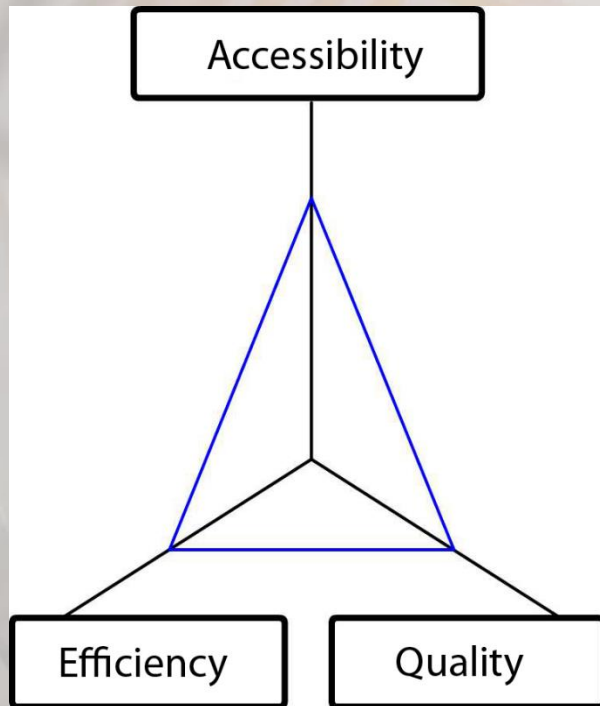
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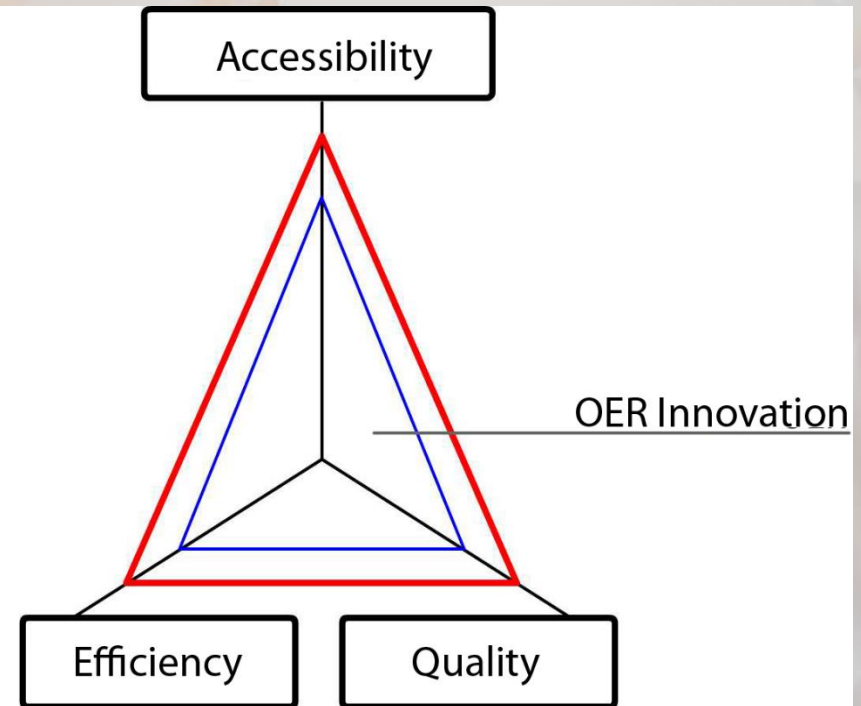
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Education 3D Performance (after an OER system intervention)

'Starting situation'



'OER situation'



The OER System *Intervention* ...

... *facilitates* performance *improvement*
along *all three dimensions* simultaneously:

Accessibility by free online availability
of learning materials

Quality by involvement of many experts
and users in various roles

Efficiency by not replicating other's efforts

... and has the features to make the educational
system ***more sustainable*** than it currently is

This ***powerful 'logic'*** holds
for ***OER, not*** (necessarily)
for ***OE*** as a whole



No-REGRET with OER (2) ...

According to this line-of-thought **governments** should feel encouraged to **embrace** and **mainstream OER** through an explicit governmental **OER policy** including a set of specific **OER measures**.

Within such a **context** it is **easier** and more plausible for educational **institutions** to **convert to OER** which will turn out to be a significant contribution to the **modernization** and innovation of education.



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Pan-European OpenupEd MOOCs

Launched April 25

Joint press release *EADTU & European Commission*

European values: *Equity, Quality, and Diversity*

- > Learner at the Centre <
- > High-quality Learning Materials <
- > Self-study Model <
- > Diversity in Language and in Culture <

In *Tradition* of acclaimed *Open Universities model*
First and so far *only pan-European* MOOCs initiative



OpenupEd partnership

At the launch, from the EU:

France, Italy, Lithuania, the Netherlands,
Portugal, Slovakia, Spain, the UK

Outside the EU, from:

Russia, Turkey, Israel

Planning to join, from the EADTU membership:

Cyprus, Denmark, Estonia, France (+1),
Greece, Ireland, Poland (2x), Slovenia, Spain (+1)

Open to other partners: 20 requests worldwide



OpenupEd: perspective

Growing number of **courses** and **partners**

Increase number of **learners** (almost no marketing so far)

Open to partnering with **'traditional' universities**

Reach out to open universities in **Africa, Asia and Latin America**

Sharing expertise in perspective of **opening up education for all**

Contribute to the EU **modernization** agenda for **HE**

Showcase MOOCs can indeed **contribute** to **open education**

Indication of **growing student enrolments** in regular operation
and of increasing **institutional prestige**





Final observations and recommendations



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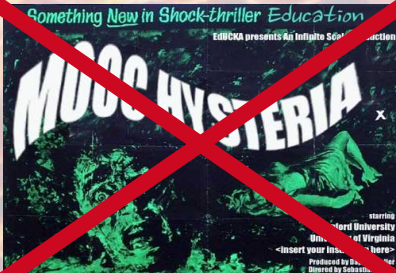


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MOOCs: *a common sense view*

No *'early adopters'* any more, so *not those benefits*
'Exclusivity' is *dissolving* with the expansion of #providers
'Massiveness' is *diluting* with the steep increase in #courses
Sky-high expectations are an *illusion*, wishful thinking ...
(e.g. 'monopoly' goal of 1 Billion students around the world)
Business models are not yet indisputably *sustainable*

*Still large dynamics,
also in strategies, with all players!*



Open(ing up) Education / OuE in a conventional world

Our **conventions** generate resistance against **change**

Let MOOCs be a **change agent**, but within the **OuE perspective**

Utilize the **power** of '**Open**' but **cherish diversity** (5COE)

'**No-regret with OER**' requires **government OER policies**
targeting full conversion to **OER in 5-10 years** from now

Welcome OpenupEd as an example of an **EU MOOCs road**

Be aware: the **MOOCs** movement will '**normalize**' within **3 years**

Let us (the 'human factor') be a **carrier** of the **European OuE expedition** even though the final outcome is not set ...



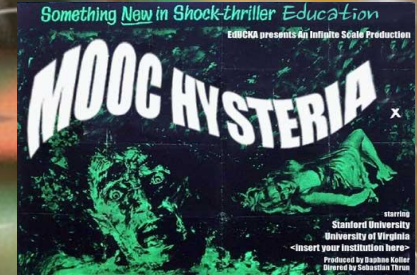
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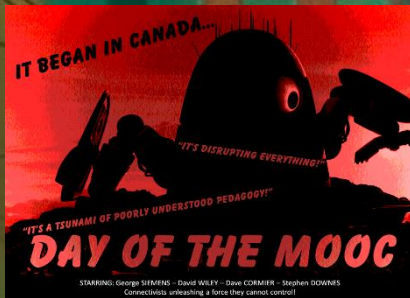
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THANK YOU!
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