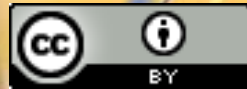# Open(ing up) Education

Fred Mulder

*UNESCO Chair in OER at OUNL
(former Rector OUNL 2000 – 2010)*

Chair EADTU's OpenupEd Initiative

**2013 EADTU Masterclass
'The role of MOOCs in HE'
23 October 2013
Paris (France)**

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Content

> **Two worlds**

> **'Opening up Education' (EU)**

> **MOOCs**

> **What about 'Open'?**

> **The 5COE model**

> **'Fingerprints' in 5COE**

> *Exercise …*

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Higher Education: two worlds

**INNOVATIVE /
'OPEN'**

Open and Distance Learning / ODL
Lifelong Open Flexible / LOF learning

OUs (incl. DTUs)
Variety of Associations / Consortia

ICDE   EADTU   AAOU   ACDE   …
Conferences Seminars Taskforces

**One
Century(+)**

**CONVENTIONAL /
'CLOSED'**

Classroom 'campus'-based learning
Young students & Fixed in time/place

Mainstream, wide variety in focus:
research/education, large/small, …

IAU   EUA   AUAP   AAU   …
Conferences Seminars Taskforces

**Many
Centuries**

Open Higher Education: two worlds

CLASSICAL / ESTABLISHED

Open and Distance Learning / ODL

Lifelong Open Flexible / LOF learning

OUs (incl. DTUs)

Variety of Associations / Consortia

ICDE   EADTU   AAOU   ACDE

Conferences Seminars Taskforces

One Century(+)

INNOVATIVE / EMERGING

Open Educational Resources / OER

Massive Open Online Courses / MOOCs

Wide variety of Initiatives

MIT   OERu   P2Pu   edX   Coursera

OCWC   CC   Hewlett F.   OpenEd

Communities Forums Conferences

One Decade(+)

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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

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 …

Going pan-European …
with OpenupEd MOOCs

MOOCs: _predominantly US_

where it all started as of 2011

and … _**expanded massively**_ (Coursera, Udacity, edX)

some _**EU universities**_ have joint US initiatives

platform launches in _**UK, Australia, Germany, Spain, France**_

**TIME for a European initiative!**

nice umbrella: the EC launch 'Opening up Education'

that's why OpenupEd is our name

reference to OpenupEd in EC's 'Opening up Education'

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)

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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 *(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**."*

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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."

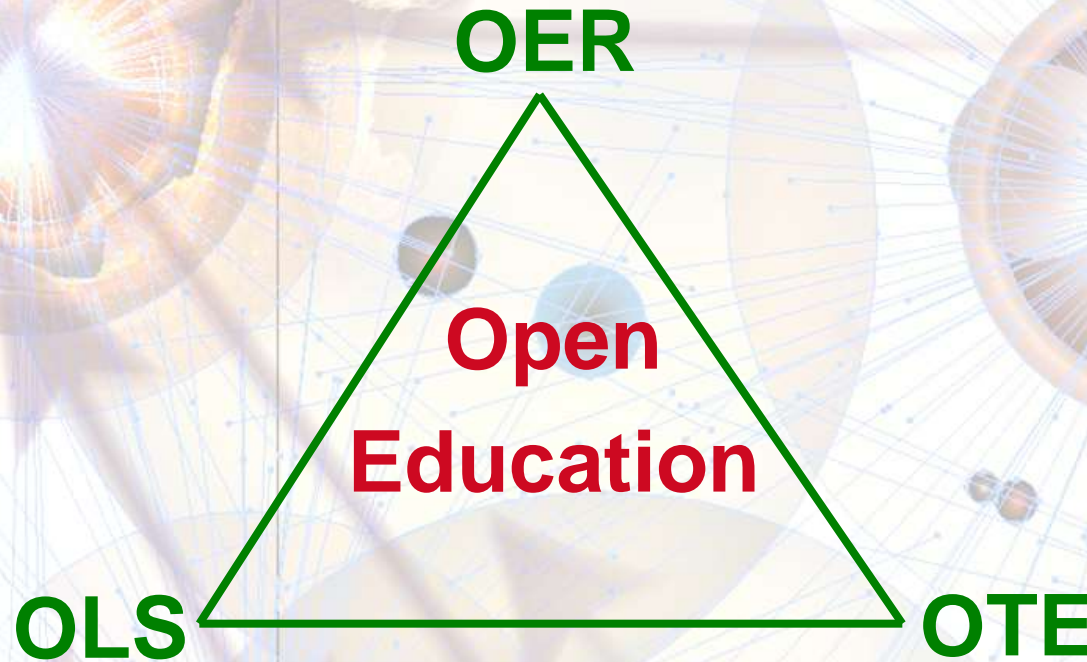*(Hewlett Foundation)*

OER is NOT
Open Education

**more components
are required …**

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Open Education *(Supply)*

OER

Open
Education

OLS   OTE

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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 …
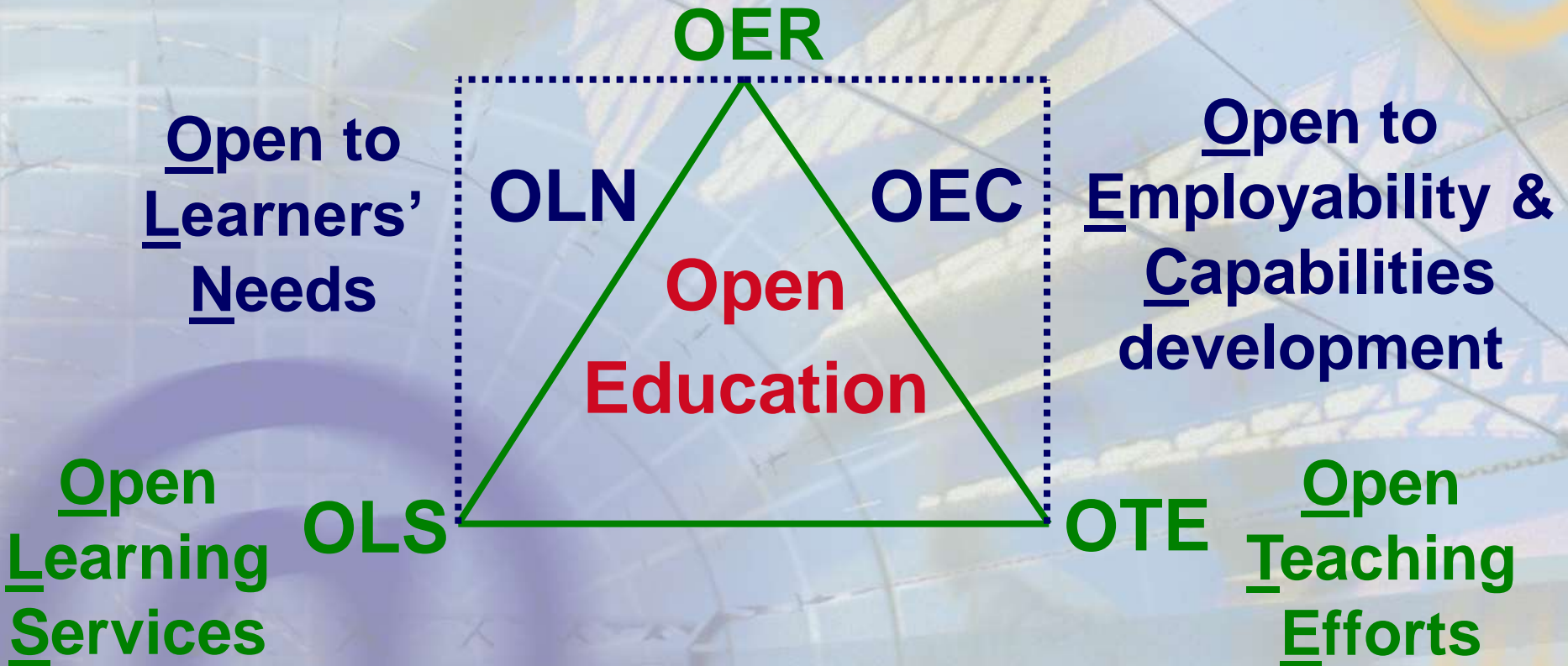
Open Teaching Efforts (OTE)

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 *(plus Demand)*

OER

Open to Learners' Needs

OLN   **OEC**

Open Education

Open to Employability & Capabilities development

Open Learning Services   **OLS**   **OTE**   **Open Teaching Efforts**

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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 <
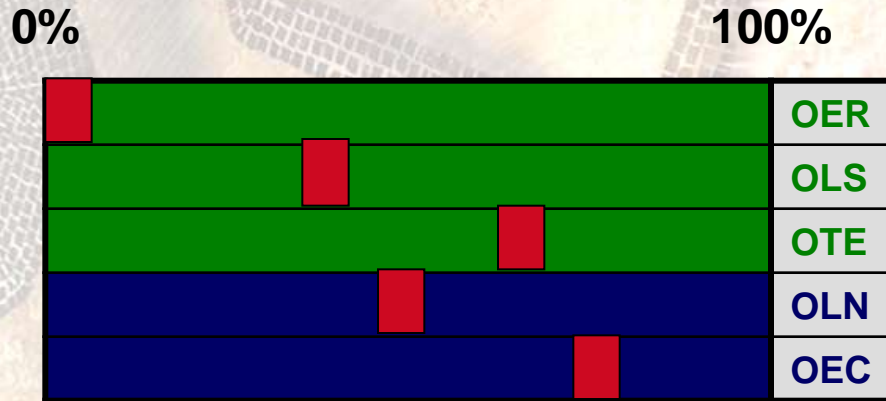
'Fingerprints' in 5COE model

0%   100%

Example nr. 1
Institutional profile
(fully converted to OER)
in Open(ing up) Education

'Fingerprints' in 5COE model

0%   **100%**

	OER
	OLS
	OTE
	OLN
	OEC

Example nr. 2
Institutional profile
(more traditional, but ...)
in Open(ing up) Education

'Fingerprints' in 5COE model

0%   100%

	OER
	OLS
	OTE
	OLN
	OEC

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

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'Fingerprints' in 5COE model

0%   **100%**

	OER
	OLS
	OTE
	OLN
	OEC

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

'Fingerprints' in 5COE model

0%   100%

	OER
	OLS
	OTE
	OLN
	OEC
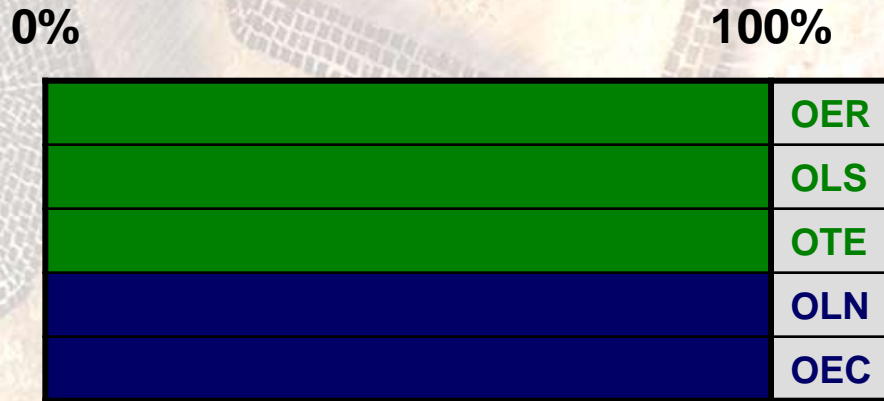
<u>Not recommended</u>
to have all sliders
extreme left or
extreme right

… with an exception for OER …

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'Fingerprints' in 5COE model

0%   100%

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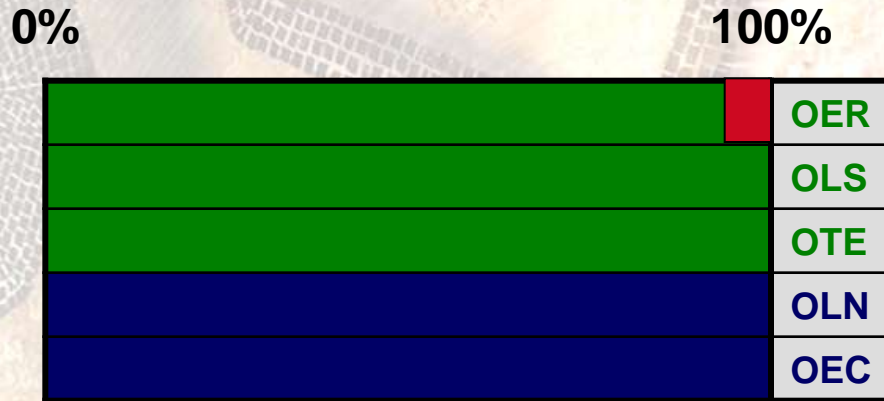
Indeed *100% OER* **can be** *beneficial* **and** *proper* **in all cases regardless of:**

> *institutional identity*

> *learning philosophy*

> *educational sector*

> *political context*

and … for *ALL LEARNERS!*

OpenupEd

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THANK YOU!

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