



MOOQ and the Quality of MOOCs: How it started and continues

Introduction @ MOOQ Conference
in Athens, 2018-07-13

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Dr. Christian M. Stracke:
**Open Learning & Education, Innovations,
Policies, Quality & Competences, Impact**
Open University of the Netherlands



Global cooperation: ECNU & KNOU



Global initiative ICORE for OR & OE



International WLS / LINQ Conference



eLC European Institute



ICDE Chair in OER

Welten Institute

Research Centre for Learning, Teaching and Technology

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MOOQ and the Quality of MOOCs:

**What are we
talking about?**

The Digital Age

Two core factors:

- 1. Globalisation &**
- 2. Worldwide Internet**

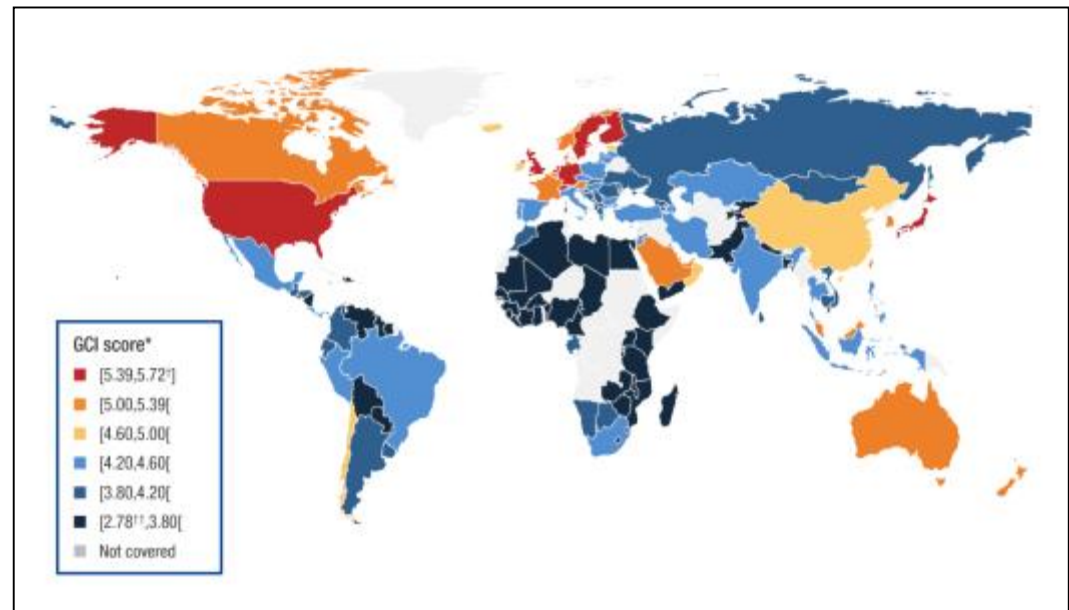


Internationalization

Global Competitions and societal changes

**Close the gaps
& open new
opportunities**

**Challenges:
Learn to Learn**



**We need
Change
in Education!**

**To improve
Quality
in Education!**

**Open Education (OE):
Innovations for **changing**
& **opening up** education
to improve the **quality****



SUSTAINABLE DEVELOPMENT GOALS





SUSTAINABLE DEVELOPMENT GOALS



Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all



**What is
Quality
Education?**

**What is
Quality?**

**A simple
experiment ...**



A simple experiment:

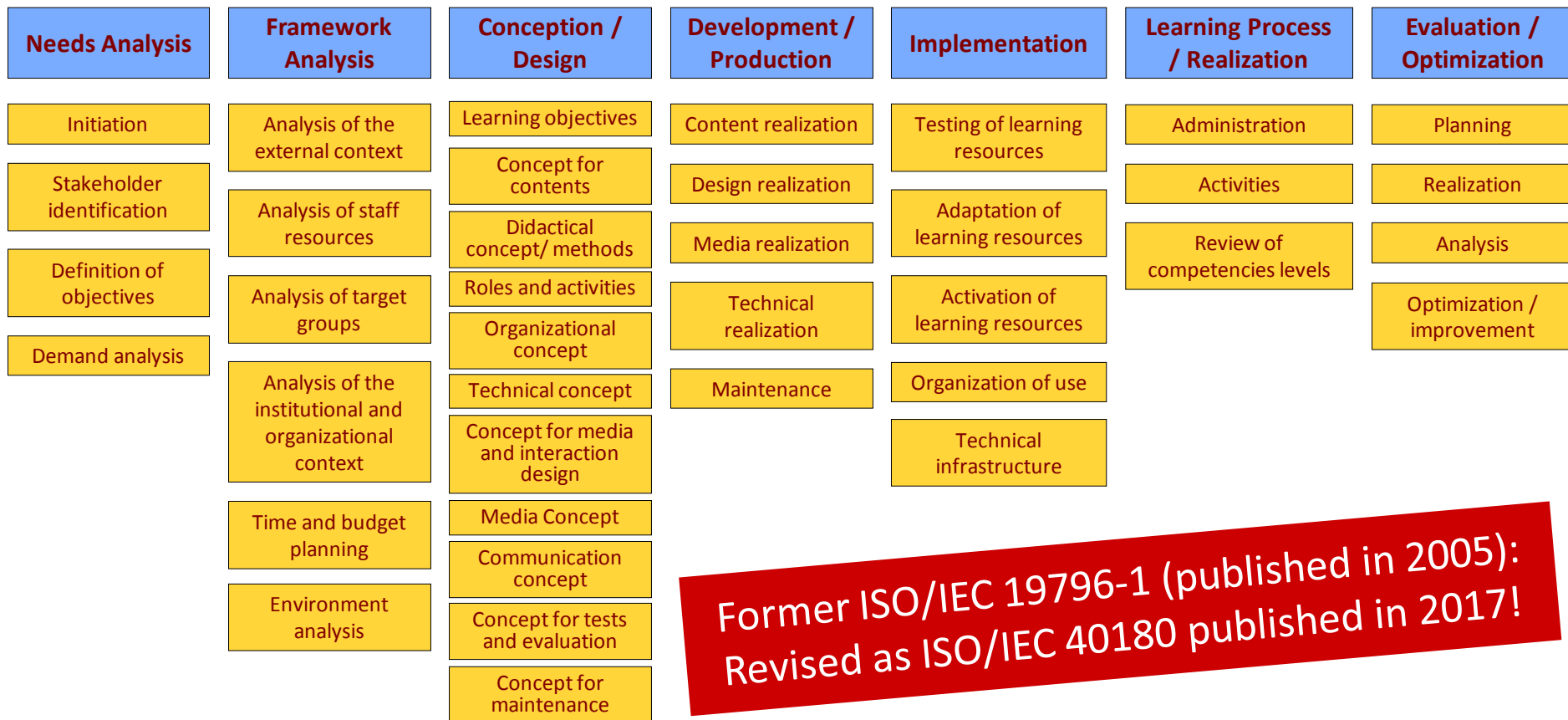
**Please imagine and define
the quality of your
favourite gummy bear**

**Quality
cannot be defined**

**... except through adaptation
to your situation and context!**

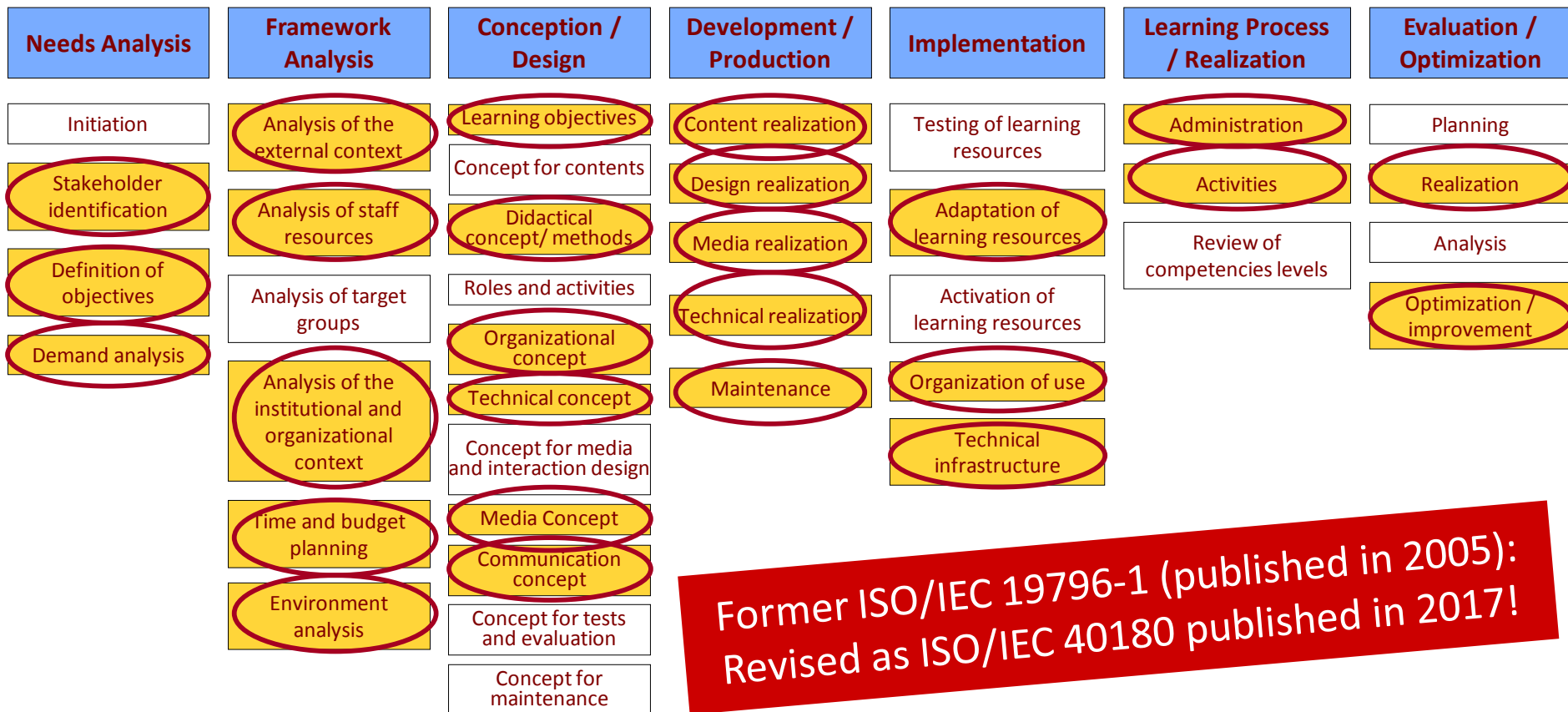
Standard: ISO/IEC 40180

Quality Standard with Reference Process Model:



Standard: ISO/IEC 40180

Example of required adaptation:



MOOQ and the Quality of MOOCs:

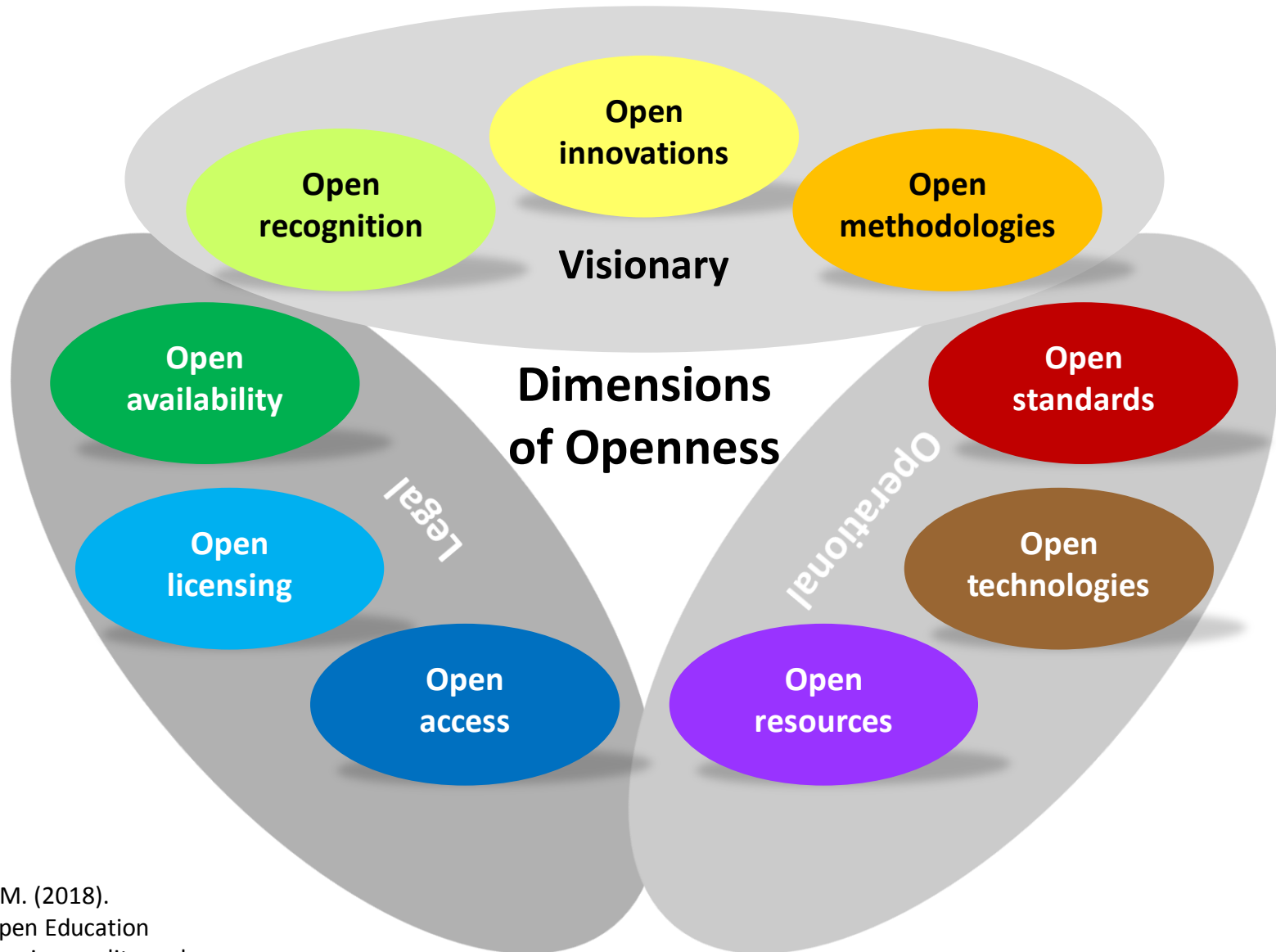
**What are we
talking about?**

**A first answer:
MOOCs are
Open Education**

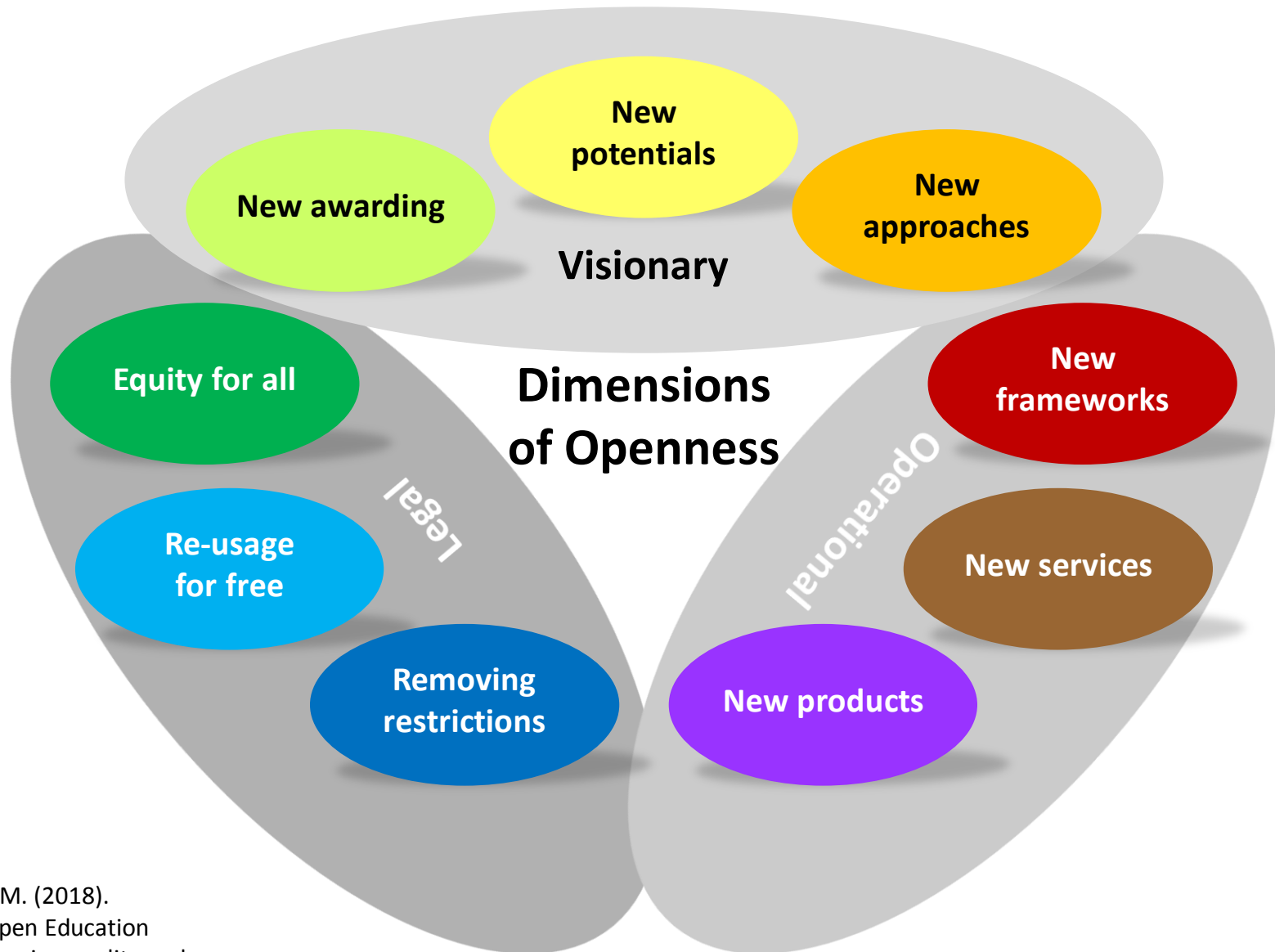
What is Open Education?



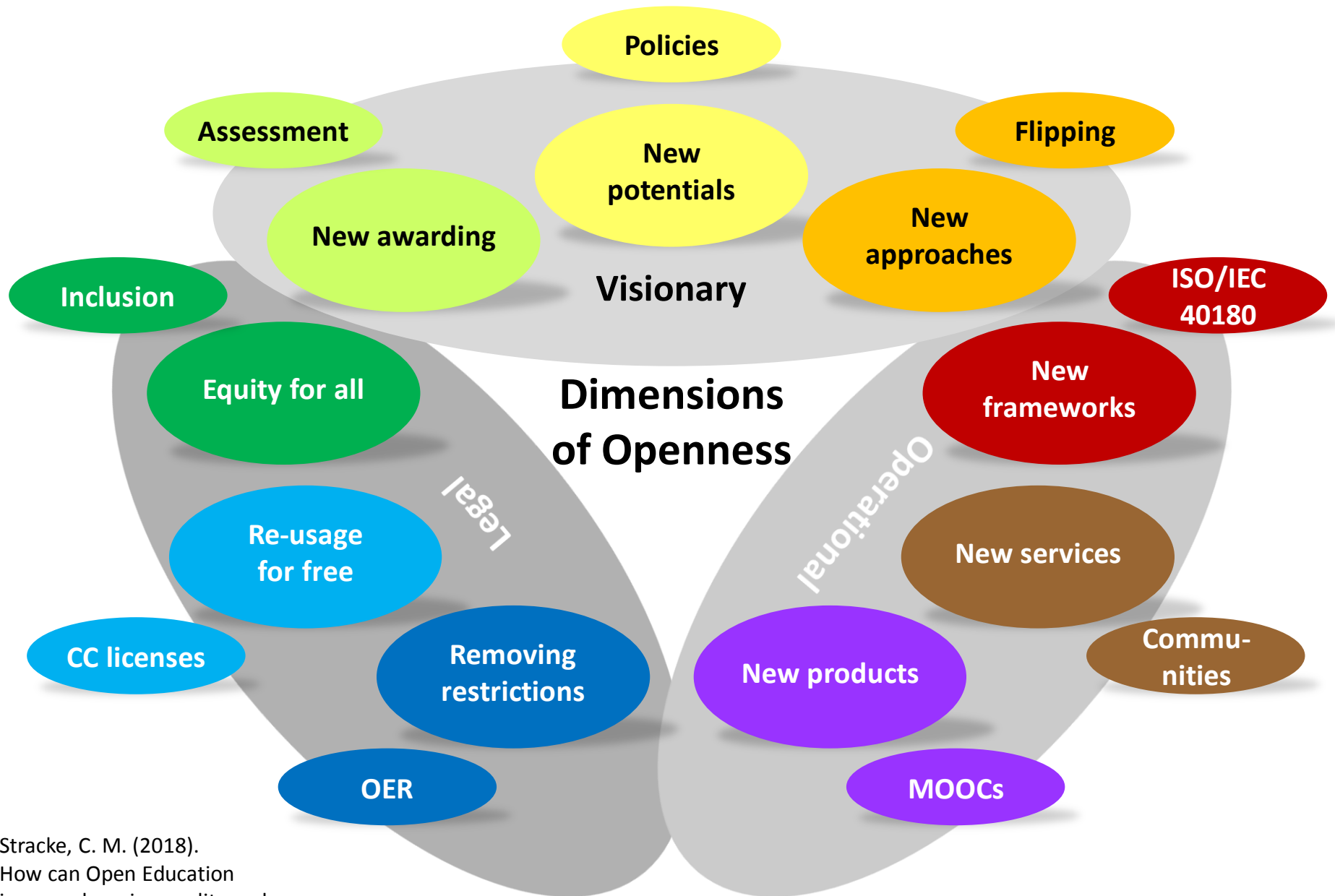
Source: <https://www.flickr.com/photos/opensourceway/>



Stracke, C. M. (2018).
How can Open Education
improve learning quality and
achieve impact for learners,
organizations and in society?

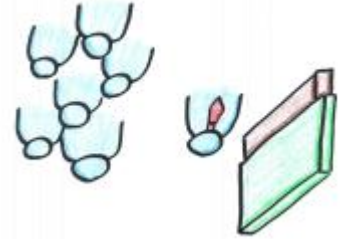


Stracke, C. M. (2018).
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Stracke, C. M. (2018).
How can Open Education
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organizations and in society?

Waves of OE



1960s: Open Classrooms



1960s: Open Universities



1990s: Open Educational Resources



2000s: Open Collaboration & MOOCs

2010s: Open Educational Practices

Now: Open Educational Environments

Open Education (OE)

Do not to forget the long-term history:

1000 BCE - : Open Educational Practices

- **Open discourse (Confucius, Socrates)**

1800 CE - : Open Learning

- **Progressive theory (Pestalozzi, Humboldt)**
- **Competence building (Piaget, Vygotsky)**

**We need Open
Quality Education!**

**We need Open
Quality Education!**

... with fun!

**A second answer:
MOOCs are
Open Educational
Resources (OER)**

**What are
Open Educational
Resources (OER)?**

OER to share and re-use

Open Educational Resources (OER)

- **2012: 1st World OER Congress:
Paris OER declaration by UNESCO**
- **2017: 2nd World OER Congress**



OPEN EDUCATIONAL RESOURCES



United Nations
Educational, Scientific and
Cultural Organization

OER definition

Open Educational Resources (OER) are any type of educational materials that are in the public domain or introduced with an open license.

The nature of these open materials means that anyone can legally and freely copy, use, adapt and re-share them. OERs range from textbooks to curricula, syllabi, lecture notes, assignments, tests, projects, audio, video and animation.

OER definition by UNESCO:

<http://www.unesco.org/new/en/communication-and-information/access-to-knowledge/open-educational-resources/what-are-open-educational-resources-oers>

Benefits of OER

Key benefits of OER:

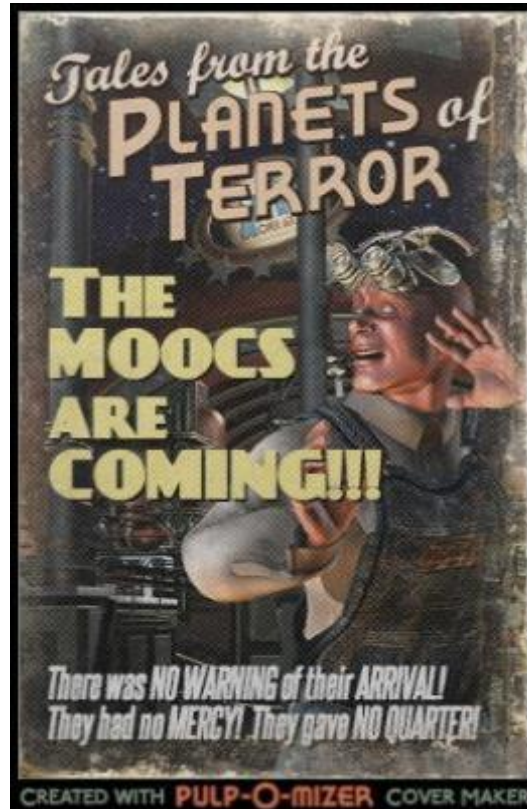
- **OER are openly and freely available**
- **OER can be used by open license**
- **OER can be re-used and adapted**
- **OER are supporting colleagues**
- **OER are recognised by colleagues**

**What are
MOOCs?**

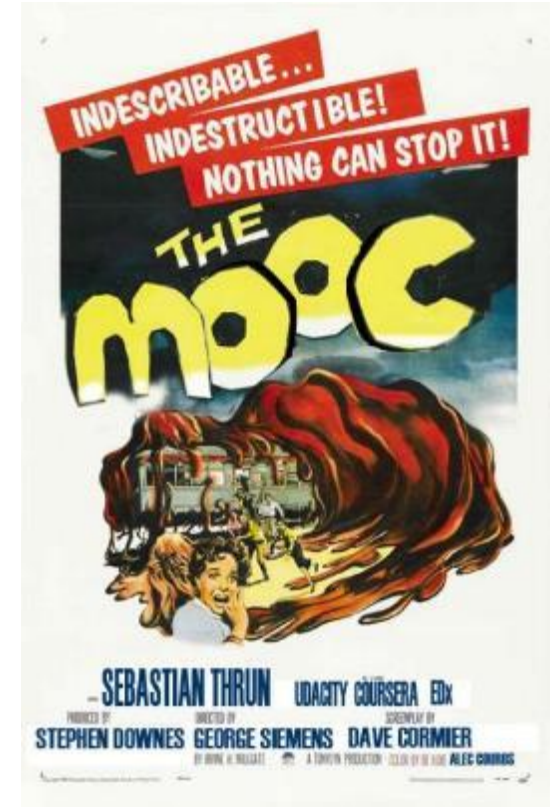
What are MOOCs?

Massive (?) Open (?)

Online (?) Courses (?)



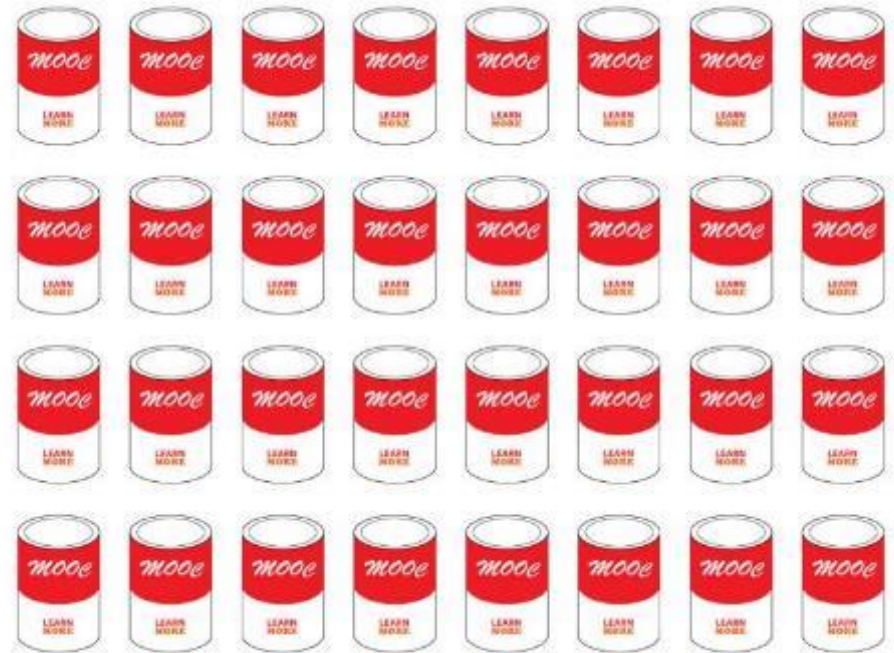
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Source: <https://www.flickr.com/photos/gforsythe/>

And the Quality of MOOCs?

Many issues are leading to high drop-out rates (>90%)



What is the Future of MOOCs?

**MOOCs are the
educational
buzzword of 2012
(Daniel, 2012)**

**MOOCs are dead!
(Stracke, 2017 - and
long live the MOOCs!)**

What is the Future of MOOCs?

The fact is:

Number of MOOCs, MOOC learners and MOOC providers are growing until today

(Class Central, 2018)



81M
Students

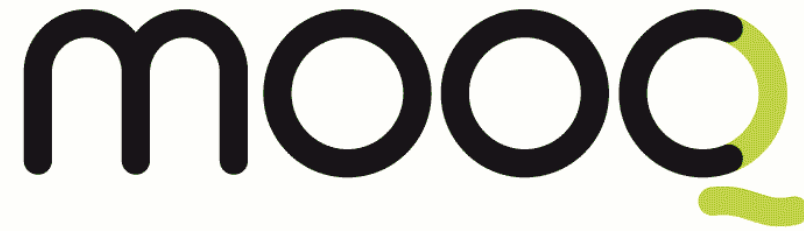


800+
Universities



9.4k
Courses

What is
mooQ?



**WE WILL MAKE
MOOCs BETTER!**

www.mooc-quality.eu

OUNL

Coordinator & QRF
development lead



OUNL

HOU

NQIS

UAb

ENS

HOU

MOOC development
& QRF contributor



UAb

Research & QRF
contributor



NQIS

Standardization &
QRF contributor



ENS

Research & QRF
contributor



The MOOQ Tour

1 STEP

Mixed Method
Research with many
sources & externals

2 STEP

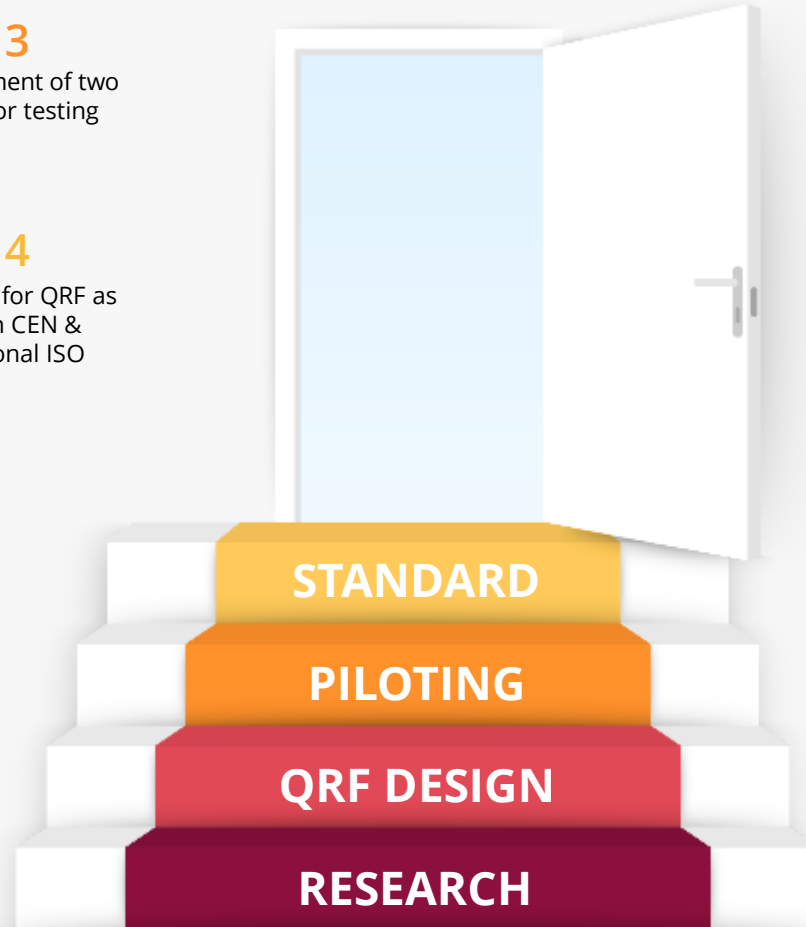
Development and
refinement of QRF
with practitioners &
experts worldwide

STEP 3

Development of two
MOOCs for testing
the QRF

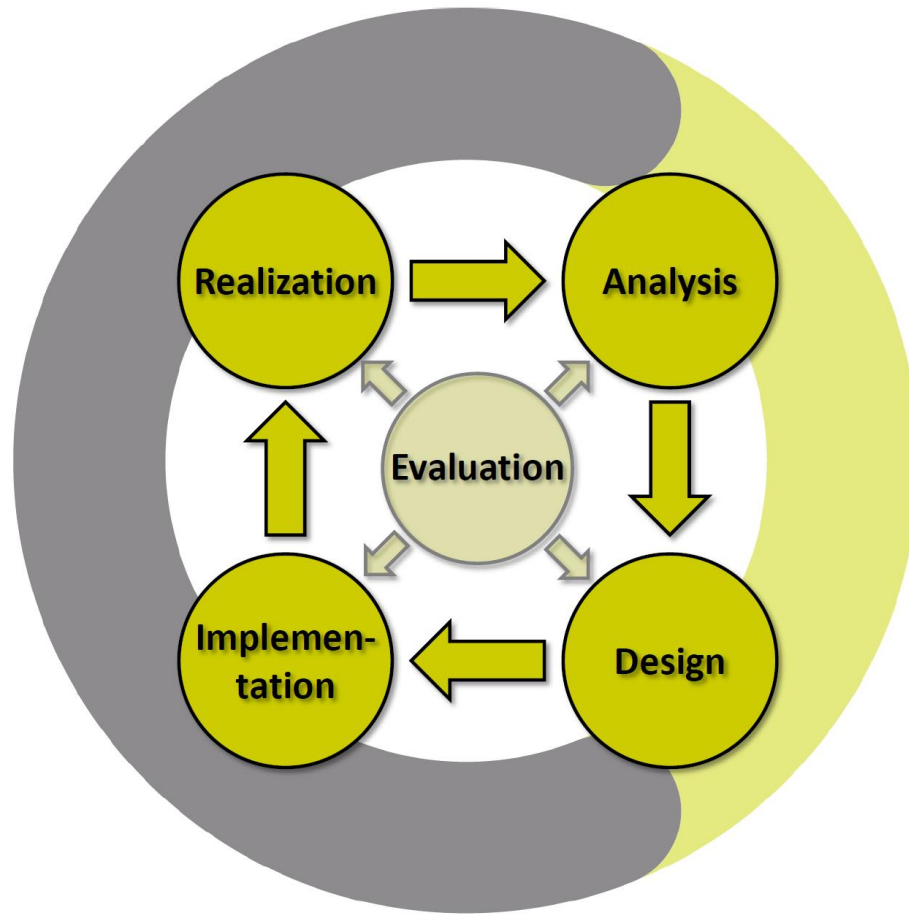
STEP 4

Proposal for QRF as
European CEN &
international ISO
standard



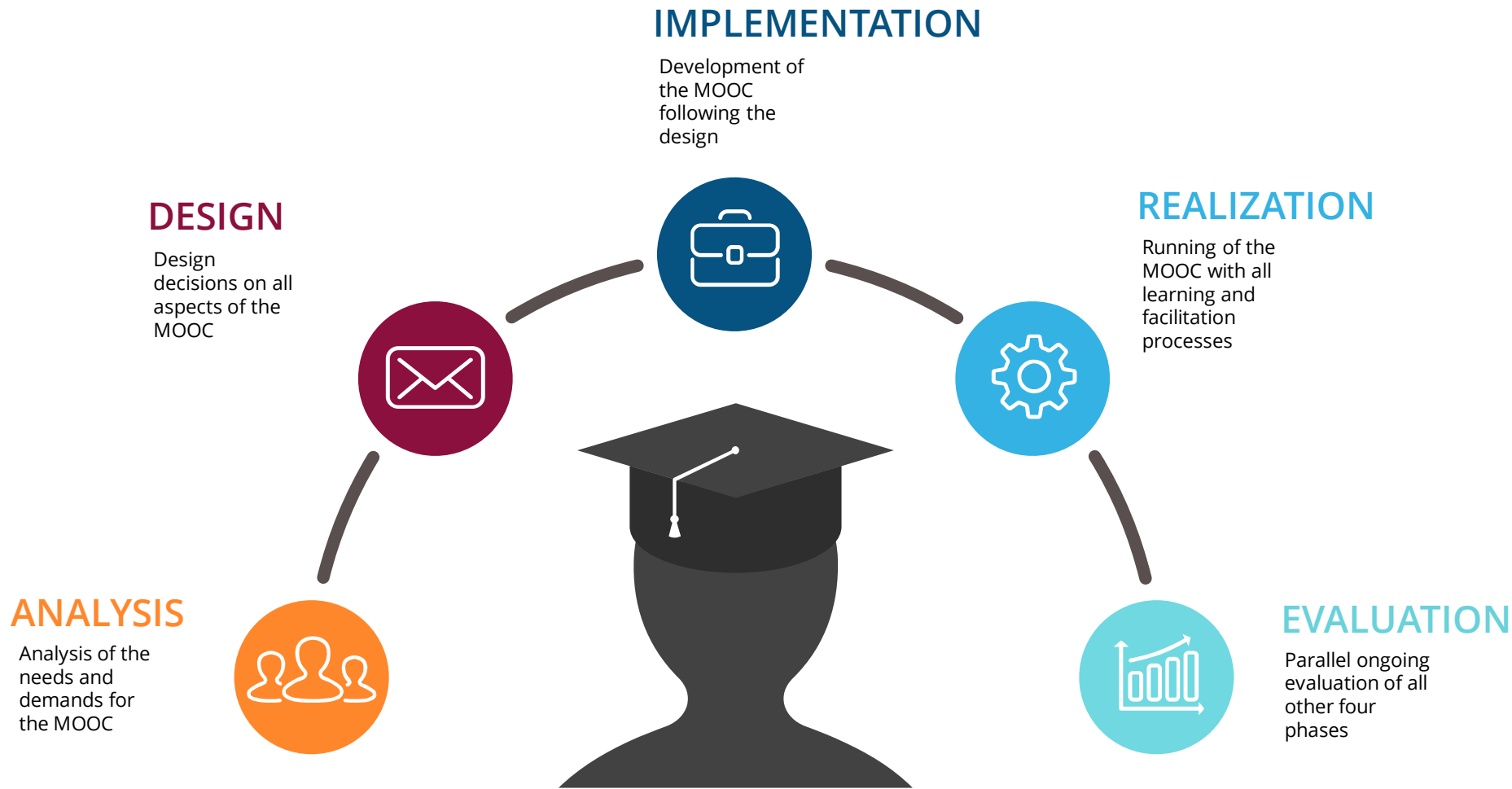
Quality Reference Framework (QRF) for MOOCs

The Quality Reference Framework



Dimension 1: Phases	Analysis, Design, Implementation, Realization, Evaluation
Dimension 2: Perspectives	Pedagogical, Technological, and Strategic
Dimension 3: Roles	Designer, Facilitator, and Provider

The Quality Reference Framework



First References for GMQS

- Stracke, C. M., et al. (2018). Gap between MOOC designers' and MOOC learners' perspectives on interaction and experiences in MOOCs: Findings from the Global MOOC Quality Survey. In M. Chang, N.-S. Chen, R. Huang, Kinshuk, K. Moudgalya, S. Murthy, & D. G. Sampson (Eds.), *Proceedings 18th IEEE International Conference on Advanced Learning Technologies (ICALT)* (pp. 1-5). IEEE: Computer Society. DOI 10.1109/ICALT.2018.0000
- Stracke, C. M., & Tan, E. (2018). The Quality of Open Online Learning and Education: Towards a Quality Reference Framework for MOOCs. In J. Kay, & R. Luckin (Eds.), *Rethinking learning in the digital age. Making the Learning Sciences Count: The International Conference of the Learning Sciences (ICLS) 2018* (pp. 1029-1032). London: ISLS.
- Stracke, C. M. et al. (2017). The Quality of Open Online Education: Towards a Reference Framework for MOOCs. In *Proceedings of 2017 IEEE Global Engineering Education Conference (EDUCON)* (pp. 1712-1715). IEEE Xplore. DOI: 10.1109/EDUCON.2017.7943080

To be continued ...

Conclusions



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We need ...

1. Education to change

2. Quality Education

MOOQ & Open Education

facilitate these changes

Open Education is a **Vision
that is happening!**

****Quality** is most important
for your situation & learners**

**Inclusion and equity for all
to improve our **Global Society**!**

Let us cooperate!



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www.opening-up.education

Let us connect!



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Thank you! Questions?

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