

Policies, strategies and learning innovations for Open Education

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Policies, strategies and learning innovations for Open Education

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Open University of the Netherlands



Open Education and Innovations

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Dr. Christian M. Stracke: Open Learning, Innovations, Quality & Competences, Evaluation & Impact

Open University of the Netherlands

Global cooperation: ECNU & KNOU

Global initiative ICORE for OR & OE

Annual international LINQ Conference

eLC European Institute

Standardization Chair in ISO & CEN



Welten Institute
Research Centre for Learning, Teaching and Technology

Open Universiteit
welten-institute.org



Selected Projects:

Competence and Skills Modelling



Technology-Enhanced Learning at Large Scale

Open Education and Research



Quality Management and Evaluation

Selected Projects:



www.inclusive-education.net



www.ACT-now.de



www.aristotele-ip.eu



www.opendiscoveryspace.eu



www.ecompetence.eu



www.wacom-project.eu



www.simbase.co



www.mooc-quality.eu



www.agriculture-competences.eu



www.voa3r.eu



www.digifem.eu



www.eMundus-project.eu



www.locloud.eu



www.quality-development.eu



www.learning-standards.eu



www.inspiringscience.eu

Speech Overview:

- 1. What is Open Learning?**
- 2. Why Change in Education?**
- 3. What is Quality in Education?**
- 4. How to improve Quality?**
- 5. How to Participate?**

What is Open Learning?

Open Learning: Our umbrella approach

Open Learning:

Innovations for **changing
& **opening up** education
to improve the **quality****



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

Open Learning

Macro: Policies and Curricula

Strategic & organisational

Meso: Organisation and Design

Micro: Learner and Course

Why Change in Education?

The Digital Age

Two core factors:

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



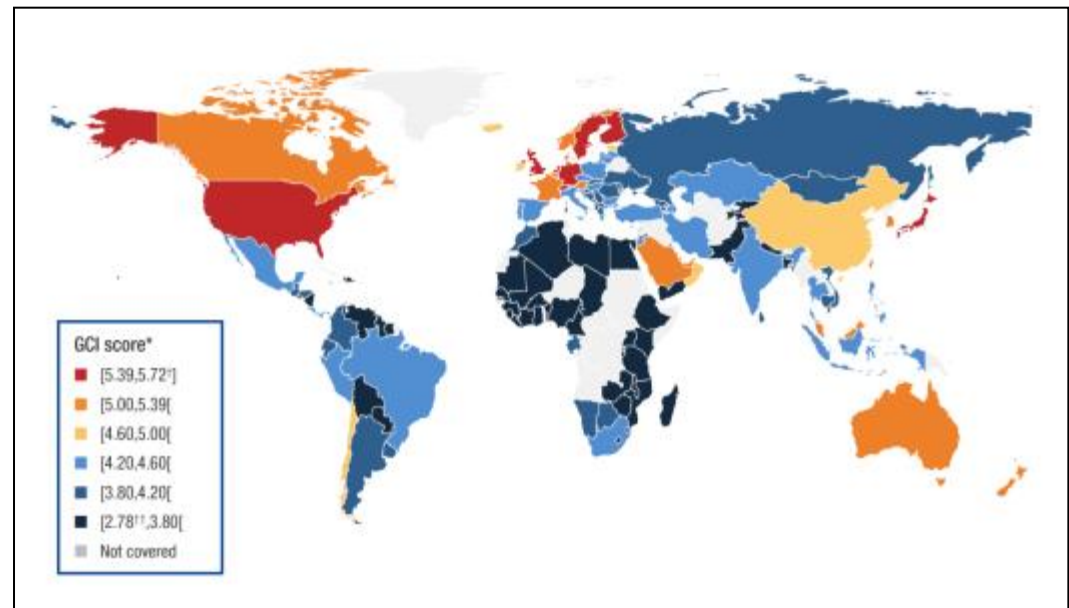
Photo: <https://ec.europa.eu/digital-agenda/en/digital-life/education>

Internationalization

Global Competitions and societal changes

**Close the gaps
& open new
opportunities**

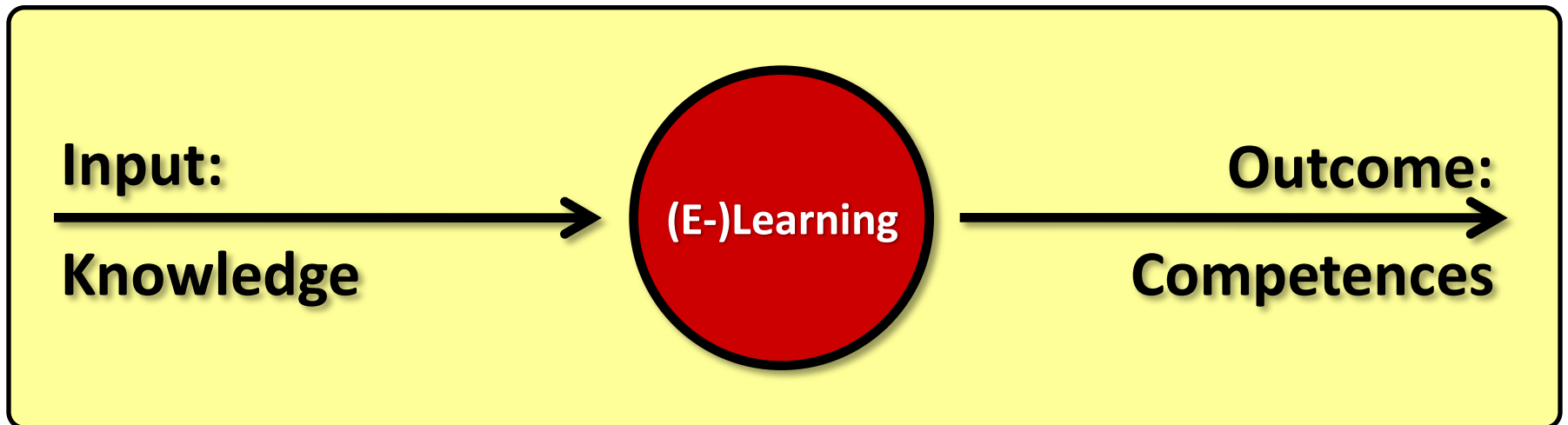
**Challenges:
Learn to Learn**



Learning cha(lle)nges

Not knowledge but competences are required to meet future jobs and tasks still unknown today

Change from input to outcome orientation



Change in Education!

**To improve
Quality
in Education**

Quality

**What is
Quality?**

**What is
Quality in
Education?**

**The
experiment ...**

A simple experiment:

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

**Your
answers ...**

Quality cannot be defined

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





**Quality: Most important
... and "new pedagogy" is
important just the same!**



**Quality
in Education!**

... with fun!

**How to improve
Quality?**

Open Learning

Macro: Policies and Curricula

Strategic & organisational

Meso: Organisation and Design

Micro: Learner and Course

Quality by Open Learning

Macro: Movement & Strategies

Strategic & organisational

Meso: Frameworks & Standards

Micro: Competences & Communities

Quality by Open Learning

Macro: Movement & Strategies

Meso: Frameworks & Standards

Micro: Competences & Communities

Competences: LELLE

Learning-how-to-Learn

The key competence in 21st century

**Focus on inclusion of learning skills
in (not only Higher Education) curricula**

Competences: PBL3.0

Problem-based Learning as method for key competences in 21st century

Focus on integrating learning analytics & semantics in problem-based learning

www.PBL3-project.eu



Communities: ODS & ISE

> 10,000 teachers and
> 3,000 schools in 28 countries

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TEACHERS

Welcome to Open Discovery Space

OpenDiscoverySpace: Unique Resources just a click away!

www.opendiscoveryspace.eu

inspiring SCIENCE education

Email us | contact@inspiring-science.eu
More info: +352 44 10122186

Search... Search

HOME ABOUT PARTNERS NEWS CONTACT

Connecting Formal & Informal Learning Settings

Welcome

In the framework of the Inspiring Science Education project the consolidation of good practice will be achieved by:

- Bringing into the classroom a unique collection of digital resources and tools that are based on real-world problems. The resources will involve students in finding their own problems, testing ideas (from small to big ideas in science), receiving feedback, and working collaboratively with other students or practitioners beyond the school classroom. Advanced eLearning tools will provide scaffolds that enhance learning, support thinking and problem solving, model activities and guide practice, represent data in different ways, and form part of a coherent and systemic educational approach.
- Giving students and teachers more opportunities to evaluate the quality of their own thinking and products for feedback, reflection, and revision.
- Giving students and teachers the opportunity to interact with working scientists, receive feedback from multiple sources.
- Building local and global communities where teachers, teacher trainers, education policy makers, parents, students, practicing scientists and other interested members of society are involved in order to ensure the learning environment beyond the school walls and extend opportunities for teachers' professional

www.inspiring-science.eu & portal.opendiscoveryspace.eu/ise



OPEN DISCOVERY SPACE

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PARENTS



**POLICY
MAKERS**



TEACHERS



Welcome to Open Discovery Space

OpenDiscoverySpace: Unique Resources just a click away!



The Open Discovery Space Project is funded by
CIP-ICT-PSP-2011-5, Theme 2: Digital Content,
Objective 2.4: eLearning Objective 2.4

<http://www.opendiscoveryspace.eu>
<http://portal.opendiscoveryspace.eu>

Open Discovery Space

www.opendiscovery.space.eu

Google



Username or e-mail

Password

Log in

[Request new password](#)

linkup, create, share, grow

New in ODS ?
Join our
teachers'
community

Learn more about ODS

Supports teachers in creating unique teaching resources, share them within communities of interest and grow in their professional life

Search for educational resources...



Open Discovery
Space Summer
School 2015

ODS Summer School 2015 on
School Development and
Innovation Attica Greece, July
12-17, 2015...

RESOURCES

EXPLORE OUR RESOURCES TO
USE IN THE CLASSROOM AND
PLAN YOUR LESSONS

814728
RESOURCES

COMMUNITIES

SHARE EDUCATIONAL
CONTENT THROUGH
COMMUNITIES OR START
YOUR OWN

766
COMMUNITIES

SCHOOLS

NAVIGATE THROUGH THE
SCHOOLS OF ODS NETWORK

3445
SCHOOLS

TEACHERS

BEING CONNECTED WITH
OUR TEACHERS FROM ALL
OVER THE EUROPE

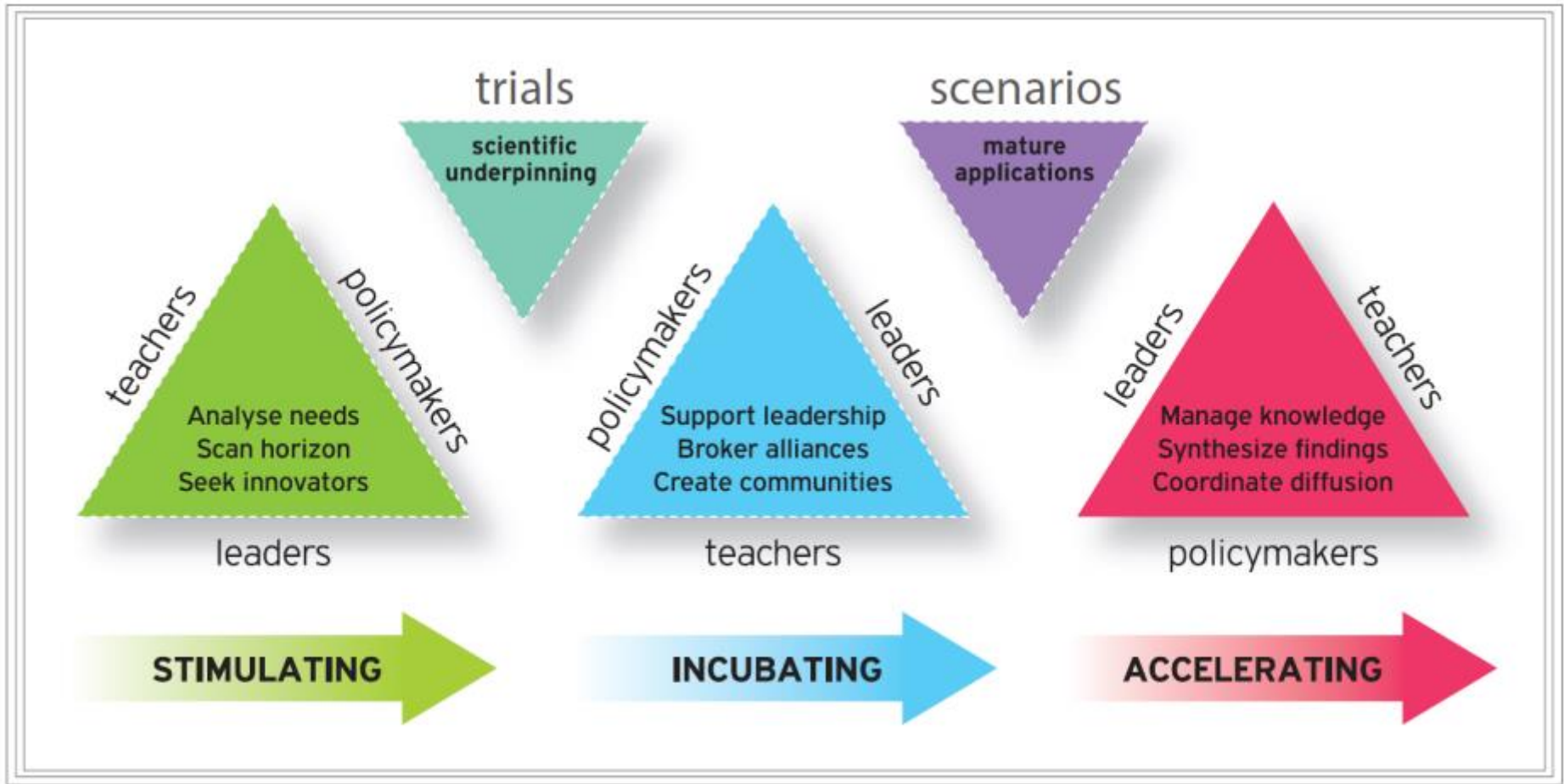
8678
TEACHERS

ODS ACADEMIES

FOLLOW THE ODS
ACADEMIES TO IMPROVE
YOUR PROFESSIONAL
EDUCATION

164
ACTIVITIES

ODS Innovation Model





Connecting Formal & Informal Learning Settings

Welcome

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- Giving students and teachers more opportunities to evaluate the quality of their own thinking and products for feedback, reflection, and revision.
- Giving students and teachers the opportunity to interact with working scientists, receive feedback from multiple sources.
- Building local and global communities where teachers, teacher trainers, education policy makers, parents, students, practicing scientists and other interested members of society are included in order to expand the learning environment beyond the school walls and extend opportunities for teachers' professional



Quality by Open Learning

Macro: Movement & Strategies

Meso: Frameworks & Standards

Micro: Competences & Communities

Frameworks: MOOQ

**MOOQ for the quality of MOOCs:
“We will make MOOCs better”**

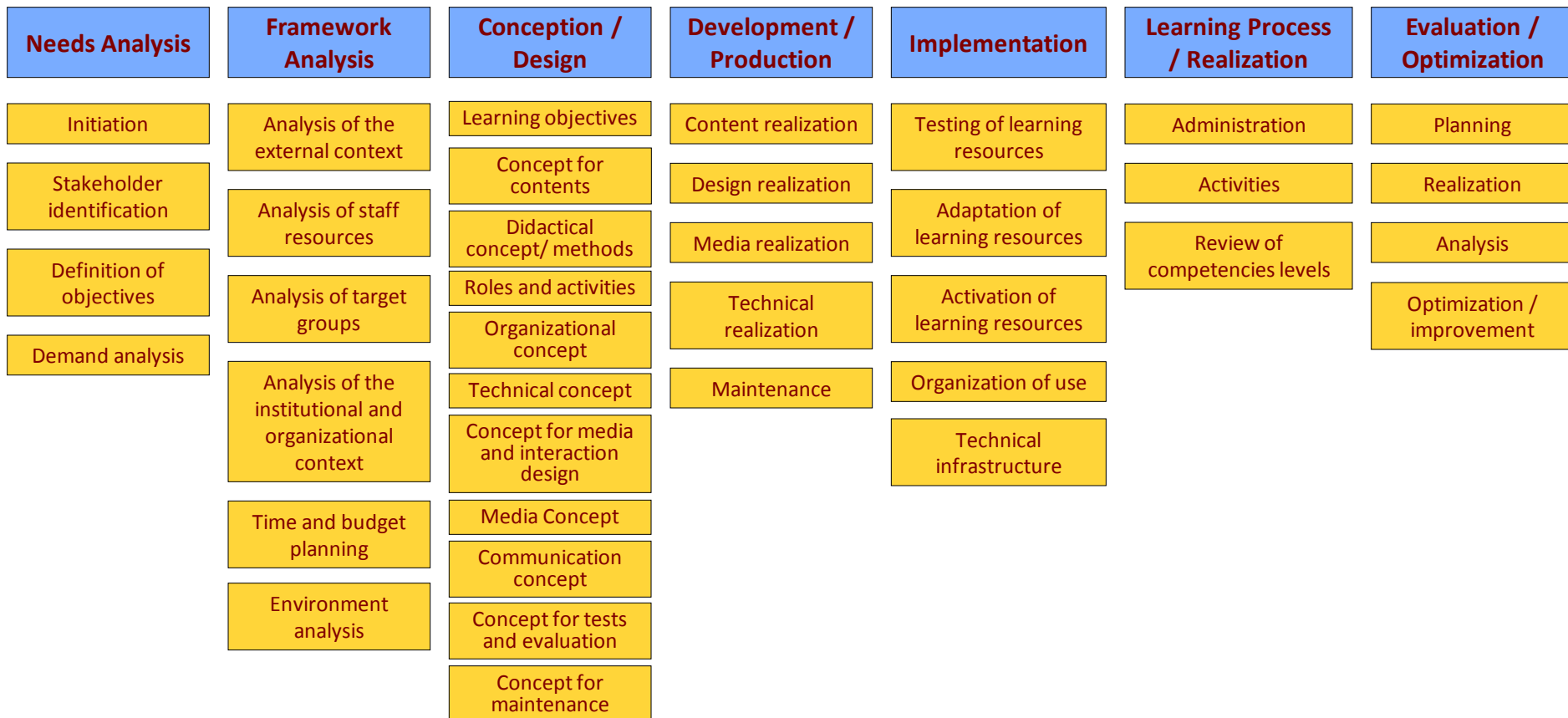
**Quality Reference Framework with
indicators for design & comparison**

www.MOOC-quality.eu



Standard: ISO/IEC 19796-1

The Reference Process Model:



Standard: ISO/IEC 19796-1

Example of required adaptation:

Needs Analysis	Framework Analysis	Conception / Design	Development / Production	Implementation	Learning Process / Realization	Evaluation / Optimization
Initiation	Analysis of the external context	Learning objectives	Content realization	Testing of learning resources	Administration	Planning
Stakeholder identification	Analysis of staff resources	Concept for contents	Design realization	Adaptation of learning resources	Activities	Realization
Definition of objectives	Analysis of target groups	Didactical concept/ methods	Media realization	Activation of learning resources	Review of competencies levels	Analysis
Demand analysis	Analysis of the institutional and organizational context	Roles and activities	Technical realization	Organization of use		Optimization / improvement
	Time and budget planning	Organizational concept	Maintenance	Technical infrastructure		
	Environment analysis	Technical concept				
		Concept for media and interaction design				
		Media Concept				
		Communication concept				
		Concept for tests and evaluation				
		Concept for maintenance				

Quality by Open Learning

Macro: Movement & Strategies

Meso: Frameworks & Standards

Micro: Competences & Communities

International Policies

UNESCO: OER Declaration

<http://www.unesco.org/new/en/communication-and-information/access-to-knowledge/open-educational-resources/what-is-the-paris-oer-declaration>

European Commission: Opening Up Education

http://ec.europa.eu/education/policy/strategic-framework/education-technology_en.htm

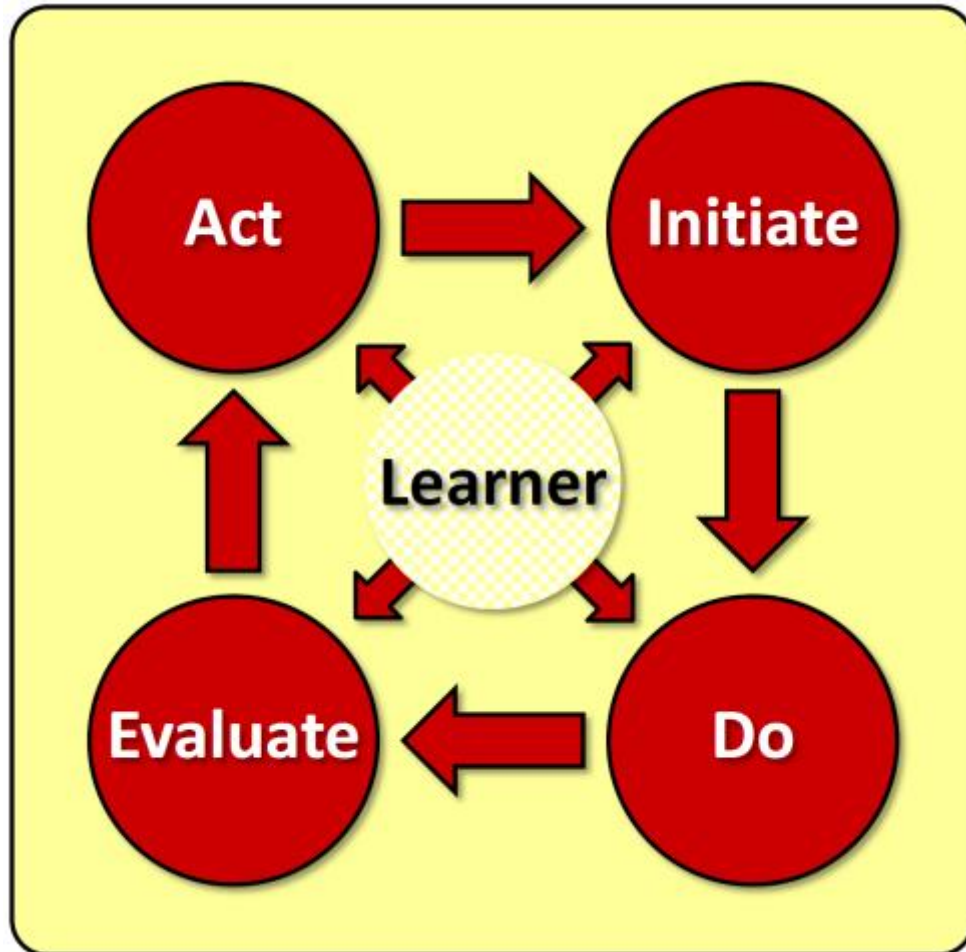
ICORE / OEC: Declaration of Crete

http://wiki.icore-online.org/index.php/ICORE_Declaration_of_Crete

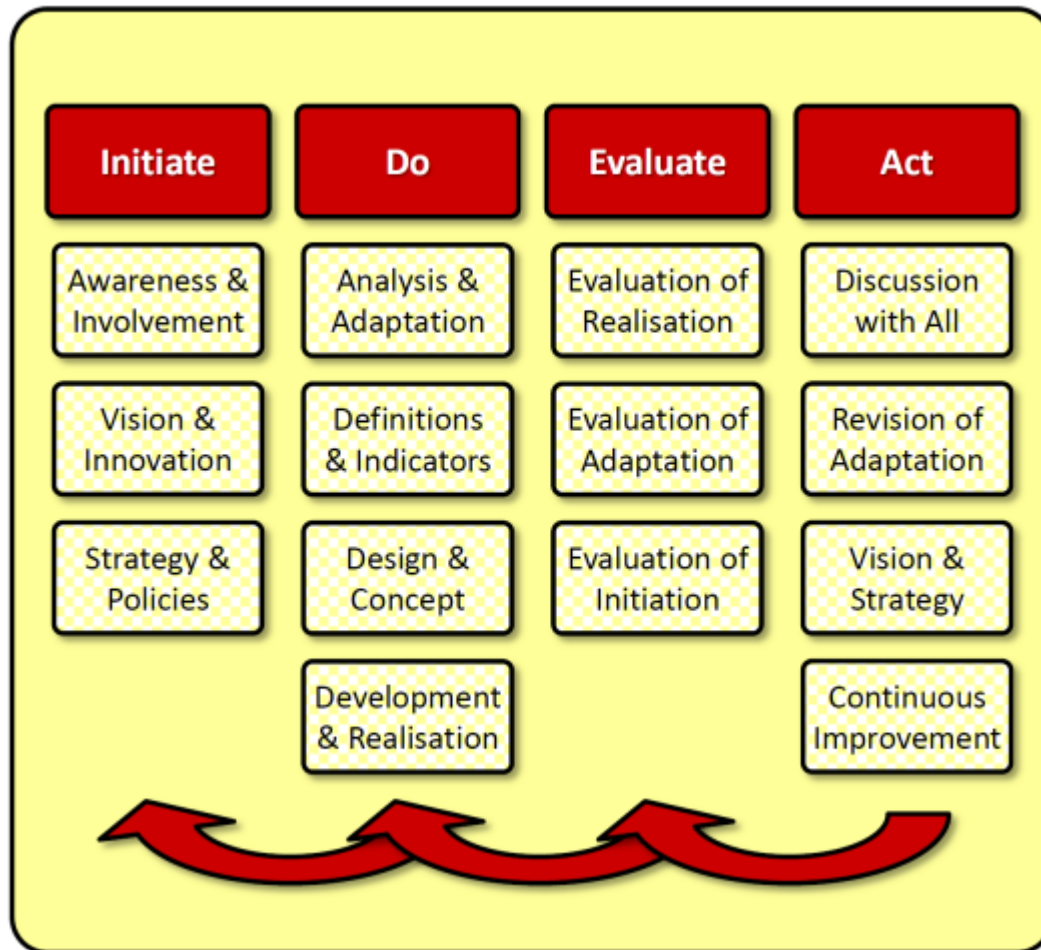
Republic of the Philippines: Open Distance Learning Act

<http://www.gov.ph/2014/12/09/republic-act-no-10650/>

Strategies: IDEAL



Strategies: IDEAL



How to Participate?

How to contribute to Open Learning?

LINQ

The leading European and
international Conference on
Learning INnovations & Quality

www.learning-innovations.eu

LINQ 2013



Our Vision:

**Open Learning
for best future
Learning Innovation
and Learning Quality!**



Please use: #LINQ2013
Follow: @LINQ_Conference



LINQ 2015



Our Vision:

Openness as Default!

First ICORE Workshops:

Follow up at ICDE 2015

in South Africa and at

OE Global 16 in Poland



Please use: #LINQ2015
Follow: @LINQ_Conference



ICORE

ICORE: International Community for Open Research and Open Education

Launched 15th May 2013 in Rome

Already > 300 members within one year

First recognition by key stakeholders & EC:

Let us join forces and become ICORE member!

www.ICORE-online.org



Towards Open Learning

**Let us Opening up Learning,
Education and Training for ALL!**



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All also online available at: <http://www.opening-up.education>

Let us cooperate!



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Thank you! Questions?

Christian M. Stracke

Open University of the Netherlands



Conclusions

Open questions

What does Openness mean for you?

What do you think about needs, challenges and strategies for/to change Open Education?

And finally: Which learning innovations do you need and want for/from Open Education?

padlet.com/christian_stracke/WI_Conference_20160318



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Towards Open Learning

**Let us Opening up Learning,
Education and Training for ALL!**

