Access, Equity and Quality: Envisioning the Future of Higher Education in a Digital Age

Kick-off meeting
Paris, 25 March 2015

Gard Titlestad, Secretary General
International Council For Open and Distance Education
Outline

• ICDE
• Gaps and trends
• Two grand challenges
• Opening up for knowledge
• Global trends
• Of particular interest
• Support
Why is ICDE here?

- To be the leading global network for making quality learning accessible throughout the world using open, distance, flexible and online education.
- To connect institutions, organisations and professionals from across the globe so that they can share ideas, resources and best practices, partner on major projects and advocate together.
- To be the official partner of UNESCO, that shares that agency’s key aim – the attainment of quality education for all
- ICDE believes that in pursuing education as a universal right, the needs of the learner must be central.
- To organize members in all regions of the world
Objectives - ICDE

• Is a membership-driven networked community of practice focused on access to quality education for all
• Is aligned with the emerging, comprehensive development goals and works for all nations and systems, public and private
• Facilitates members and partners to take lead in methodologies, pedagogy and technology for open, distance, flexible, online education and elearning
• While closely associated with open and distance learning, its focus is on quality, access and learning outcomes through a lens of equity
Issues:

• Future policies for the Online, Open and Flexible Higher Education that we want
• Quality oversight, models and the road ahead
• Student Success
• Leadership for change.....
• Global research agenda on Online and Open
• Teachers for the digital future
• Academic quality
• North – North
• North – South - South
Our member-driven agenda

International Council for Open and Distance Education
Activity Plan 2014

Examples

**PROJECTS - APPROVED**

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>Research and Innovation Task Force</td>
</tr>
<tr>
<td>1.2.3</td>
<td>Global Online Higher Education Report, Global OHER</td>
</tr>
<tr>
<td>1.2.4</td>
<td>Impact of Distance Education on Adult Learning, IDEAL. EU funded.</td>
</tr>
<tr>
<td>2.1.1</td>
<td>Overview Quality Standards. Study</td>
</tr>
<tr>
<td>2.4.1</td>
<td>Bringing Educational Resources For Teachers in Africa. BERTA</td>
</tr>
<tr>
<td>2.4.2</td>
<td>Working Group for Student Success</td>
</tr>
<tr>
<td>3.2.3</td>
<td>OER for less used languages, LangOER. EU-funded.</td>
</tr>
<tr>
<td>3.2.4</td>
<td>Nordic OER. Nordic network to promote open education and collaboration amongst stakeholders in all educational sectors.</td>
</tr>
</tbody>
</table>

**PROJECTS TO BE DEVELOPED**

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1.1</td>
<td>Introductory activities to quality open, distance and online elearning.</td>
</tr>
<tr>
<td>1.2.1</td>
<td>Policy process for declaration on ODL.</td>
</tr>
<tr>
<td>2.5.1</td>
<td>Facilitate leadership for change. Project/initiative.</td>
</tr>
<tr>
<td>4.5.2</td>
<td>North – South (AVU and UNISA) network in cooperation with the Norwegian government and Norwegian actors.</td>
</tr>
</tbody>
</table>

Example initiative: **ICDE OER Chair**
ICDE events

The 26th ICDE World Conference
International Council for Open and Distance Education
Growing capacities for sustainable & distance e-learning provision
14 - 16 October 2015
South Africa

http://www.unisa.ac.za/

ICDE partnering others events

10th International Conference on ICT for Development, Education & Training
Addis Ababa
Ethiopia
May 20→22
2015


“Inspiring the leaders of today”
10th-11th of November, 2015
Dusit Thani | Abu Dhabi-UAE

Opening out the educational landscape

Invited speakers: Malcolm Coupland, Jean-Jacques Ouédraogo, David Bowie, John Lescroart, Mike Yuen, David Buchli, Delphine Houleau, eTwinning, OER University, any other people you might like to mention.

Cultural programme: Primus, Lafita, etc.

Eden Annual Conference 9-12 June 2015
Barcelona
www.eden-2015.org
Three policy fora, 1 done, 2 planned:

20 November 2014: Open Education
Key issues in policy for governments
and senior management in higher education

Interventions, from UNESCO, ICDE and
key experts and senior management:
The Bali Message

High Level Forum in Paris
9 – 11 JUNE 2015
Higher education and ICT
UNESCO – in partnership: ICDE

High Level Policy Forum 17 October 2015:
Open Education: Key issues and policy
advices for governments and senior
management in higher education
ICDE priorities 2015

Priorities

The ICDE Executive Committee has decided to give high priority to, and have special focus on, the following specific objectives during 2015:

1.2. ICDE together with key partners and stakeholders to facilitate policy discussions among a selection of representatives from governments, universities and private and public sector, on the topic of the current and future development of open, distance, flexible and online education, including e-learning by the end of 2015.

2.1. To establish an overview of the global situation with regards to existing relevant standards and guidelines for open, distance, flexible, and online education, including e-learning by 2015.

3.3. Open Praxis to be recognized as a quality scientific journal by 2016.

5.3. Increase the institutional membership of ICDE by 25% before the end of 2013 and by 15% annually from 2014 to 2016.

In addition, and as a follow-up action to the 2013 and the 2014 Presidents Summit - the ICDE Standing Conference of Presidents meeting, priority will be given a new specific objective: 2.5 Brand and develop ICDE on leadership issues - support ICDE members’ leadership and leadership for change. (Strategic objective 2: To encourage quality in open, distance, flexible and online education, including e-learning.) This action includes further steps in opening up education and the development from distance to open education.

The field research and innovation, in particular connected to forefront developments (e.g. to MOOC and learning analytics), will be developed based on recommendations from the ICDE Task Force on Research and Innovation.

These priorities give ICDE a strong external focus. It is imperative that ICDE’s internal and external collaboration and its governance structures support this focus to consolidate the new focus of the organization’s activity.

Post-secondary education institutions are at the core of ICDE, the regional member associations represent the broad ICDE coverage of the sector, while ICDE continue opening up for greater individual member activities and networks – covering all aspects of open, distance and technology enhanced education.

Increased outreach will continue to be a crucial indicator for achievements in 2015.
On distance
Part-time
The regional member associations of ICDE

- Asian Association of Open Universities (AAOU)
- Asociación Iberoamericana de Educación Superior a Distancia – AIESAD
- Brazilian Association for Distance Education - ABED – Brazil
- African Council for Distance Education (ACDE)
- Association of African Distance Learning Centres
- The South African Institute for Distance Education (SAIDE)
- Arab Network for Distance and Open Education (Anode)
- Middle East e-Learning Association (MEeA)
- The Australasian Council on Open, Distance and e-Learning (ACODE)
- The Open and Distance Leaning Association of Australia (ODLAA)
- The Open Education Resource Foundation – the Open Educational Resource university (OERu)
- European Distance and E-Learning Network (EDEN)
Partnership and collaboration

To make a difference through open education!
ICDE works on and gaps and trends
Education

Average years of education

Years of education

West-Europe

The world

Africa south of Sahara

Source: Aftenposten/OECD. How Was Life?
Shows long-term progress in key areas of well-being
EU/OECD projections the need for HE by 2030: 410 mill.

This is our Challenge

Tertiary Enrolment by Region 1970-2007

Mill. students

2007 - 2030

2030

2044
The future hot spots

- Asia
- Africa

But also Latin America and the Caribbean

World population stabilization unlikely this century.
Science, 18 September 2014
Not only **volume**

- The changes in higher education is dramatic

---

1970 — 2030

- **Ivory tower**
- **Elite**
- **Leaders** (public and private sector)
- **Local**
- **Contribute to the nation**
  - **Physical**
  - **Classroom approach**
  - **Chained**, place, time, people, pace
  - **One institutional army**
  - **Stability**

- **Diverse Higher Ed System**
- **Mass (some elite)**
- **Knowledge infrastructure**
- **Global**
- **Meet global challenges**
  - **Virtual**
  - **Personalisation**
  - **Open**
  - **Team and collaboration**
  - **Change**

And much more - unimaginable

Excellence  
Excellence
The **BIG** picture

- Three streams work in parallel:
  - Online becomes mature – and Internet/mobile: freedom from distance, mobile broadband: freedom from location
  - New methodologies, content and pedagogy – new opportunities for student supportive teaching
  - New knowledge about the brain and learning, new knowledge in neurosciences
The BIG Picture

- Open, Online and Distance Education is steadily increasing all over the world

- Countries:
  - India
  - South America
  - Russia
  - The US
  - Africa
  - Sweden
  - Australia
  - China
The BIG picture

• Online, Distance (ODL) and on Campus Learning are converging => Blended

• And as a result – an even more diverse higher education landscape......
The BIG Governments move.....

The Regions move.....

The Small Governments move.....

http://www.faberface.com/
Trends that (can) work in favour of

Opening up the road to knowledge
Trends, within the framework of globalisation and internationalisation

- US quadrupling
- Southern Europe
- Developing economies
- HE needs – 10
- Globalisation
- Societal needs
- Demographics
- Enabling economic growth
- Cost

Automation
- Robots
- Sensors

2020 – 80% connected

Technology

OER
- Open Access
- Open Research
- Open Data

Flexibility
- Employability
- ICT Habitus

Disruptive Innovations
Q17

Please tick the option that best describes what you think will happen over the next ten years.

- 19%
- 40%
- 41%

- 16%
- 33%
- 51%

2014 [n = 6,728]
2013 [n = 5,800]

2014 Open Access Author Survey

June 2014
OER and Open and Distance Learning can increase the impact of investments in knowledge.

High quality education
Research based education
Resource based education
Open education

OER & ODL

Innovation in education – open innovation
Innovate the learning system – flip the classroom
Knowledge supply for innovation

Open Access – open science
Research based OER
Research based teaching
HE needs – 1 U a week

Globalisation

Societal needs

Enabling economic growth

Demographics
THE STATE OF HIGHER EDUCATION: Selected key findings and rec.

• Findings
• The public and individuals benefit from higher education, HE, in financial and non financial ways.
  – HE generates positive returns to the public in general, as well as to the people who obtain degrees.
• HE without a degree does not boost earnings.
  – Although there are some benefits to HEparticipation, even if no degree is earned, drop-outs do not usually enjoy the same financial returns that degree holders can expect.
Better integration of education and value chains needed

Figure 10. Typology of skills development policies for global value chain upgrading

Source: Fernandez-Stark et al. (2012).

http://www.africaneconomicoutlook.org/en/
Automation
Robots
Sensors
Technology
2020 – 80% connected
Internet of things
The BIG picture

• We are in the beginning (of the beginning) – example: mobile technology

Figure 2: Mobile Broadband Bridges the Gap: Fixed Broadband and Mobile Subscriptions, 2009-2018
Several initiatives for covering the unwired underway

Google's Project Loon uses big networked air balloons to fill internet black holes

Google to launch 180 satellites in $1bn plan to cover the unwired

Image: O3b Networks
We are in the beginning of the beginning

African Undersea Cables
Picture updated May 2014

http://manypossibilities.net/african-undersea-cables/
Each New Computing Cycle = 10x > Installed Base than Previous Cycle

Exhibit 29
Each new computing cycle typically generates around 10x the installed base of the previous cycle

Devices or users in millions; logarithmic scale

Source: Morgan Stanley Mobile Internet Report (12/09)
The mill that grinds on the bottom of the ocean

Hege Røyert, NTB Scanpix

Navngivelse-Ikke kommersiell-Del på samme vilkår Creative Commons lisens

NDLA
The BIG change?
The Future of Employment: How susceptible are jobs to computerisation?
About 47 per cent of total US employment is at risk.
http://www.oxfordmartin.ox.ac.uk/publications/view/1314

Computerization Threatens One Third of Finnish Employment
http://econpapers.repec.org/paper/rifbriefs/22.htm

37% of Danish jobs classified with high probability for being phased out
http://www.kraka.org/artikler/computere_og_udskiftning_af_jobfunktioner

Vartannat jobb automatiseras inom 20 år
http://www.stratresearch.se/Documents/Folder.pdf

Technology and jobs; Coming to an office near you

The future of jobs; The onrushing wave
Of particular interest (tentative)

• Trends related to:
  – cultural changes among students, learners and faculty
  – learning outcome, employability and jobs
To support

• ICDE – community activity
• Idea: Have a MOOC on Foresight etc. – prelim contact with Futurelearn, small donations wanted.
Thank you

titlestad@icde.org

www.icde.org