eLearning and Open Education in practice

Deep learning: Challenges to use Open Education in practice

Prof. Khalid BERRADA (berrada@uca.ma)
Trans ERIE - Centre for pedagogical innovation
Cadi Ayyad University, Marrakech Morocco
http://www.uca.ma
Today there is global challenges in education

..we need to discuss these challenges taken in account private, public sectors and civil society!
Why civil society?

The future of jobs (Labor market in the digital era)

- Jobs that disappear (700 professions)
- New Jobs
- Jobs that are undergoing transformation (47%)

Jamil Salmi, OECD / Laureate conference Korea 12/2016
Why civil society?

10 Jobs that did not exist 10 years ago

- App developer
- Social media manager
- Uber driver
- Driver-less car engineer
- Cloud computing specialist
- Big-data analyst/Scientist
- Sustainability manager
- Youtube content creator
- Drone operator
- Millenial generational expert
..and everything need to be in agreement with ...
Some thinkers, experts, professionals look to these questions as a Big-bang, revolution but also as a learning crisis in education. Why?

... I will say change is now needed, we need to go to new paradigms that can make this change happen!
**Morocco HE system taken as a case study**

<table>
<thead>
<tr>
<th></th>
<th>2009</th>
<th>2012</th>
<th>2013</th>
<th>2017</th>
<th>Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of students</td>
<td>≈ 320.000</td>
<td>≈ 450.000</td>
<td>≈ 520.000</td>
<td>≈ 830.000</td>
<td>+ 37 %</td>
</tr>
<tr>
<td>Number of staffs</td>
<td>≈ 9152</td>
<td>≈ 11950</td>
<td>≈ 12700</td>
<td>≈ 15.200</td>
<td>+ 4,62 %</td>
</tr>
<tr>
<td>Pyramid of ages</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>+ 78 % are more than 44 years old</td>
</tr>
<tr>
<td>% Teacher supervision</td>
<td>-</td>
<td>-</td>
<td>1 → 41</td>
<td>1 → 54</td>
<td>↓</td>
</tr>
<tr>
<td>Physical places</td>
<td>375.000</td>
<td>446.067</td>
<td>446.067</td>
<td>484.166</td>
<td>+ 7,8 %</td>
</tr>
</tbody>
</table>

Question is how to come over all this aspects?

- New infrastructures, Equipment,..
- Internet connexion, Training programs,..
- Brains, minds,..
- Budgets, Collaborations, New economical models,..
Répartition des établissements d'enseignement supérieur universitaire par type d'établissement 2016-2017

- Sciences Juridiques, Economiques et Sociales: 13%
- Sciences de l'Education: 15%
- Sciences de l'Ingénieur: 13%
- Facultés Polydisciplinaires: 8%
- Lettres et Sciences Humaines & facultés des charia: 15%
- Technologie: 10%
- Commerce et Gestion: 8%
- Sciences: 9%
- Traduction: 1%
- Sciences et Techniques: 6%
- ENS & ENSET et autres: 8%
- Médecine et pharmacie: 6%
- Médecine dentaire: 2%
Digital classrooms

Model adopted at Cadi Ayyad University

UC@MOOC
http://mooc.uca.ma

Wi-Fi on Campus

Studios

UC@Mobile
Quick reminder!

- 7 pillars for Open Education -

1) Content
2) Access
3) Technology
4) Research Data
5) Research Results
6) Licensing
7) Policy

Time for sharing..
Questions to debate:

- Why should people and institutions engaged in Open education?

- Why should anyone give away anything for free?

- What are the possible gains in doing that? (By open sharing of software, articles, materials?

- What are negative effects that might appear if software developers, scientists and educationalists do not share their work openly?

- Questions from audience?
Thank you

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