



LEARNING FOR SUSTAINABLE DEVELOPMENT

How Technology Developments are Driving Change in Higher Education

Video presentation by Vis Naidoo, Vice-President, COL

Southern African Regional Universities Association (SARUA)

Vice-Chancellor's Leadership Dialogue

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Asian Development Bank

*(ADB Report 2011 on
Higher Education across
Asia)*

- *“operate as incubators of the innovation and creative thinking needed for an economically competitive society”*

Higher Education & Gender

(UNESCO 2014. Sustainable Development Post 2015 Begins with Education)



No education – 6.7 births

Primary education – 5.8 births

Secondary & Higher education – 3.9 births

LABOUR MARKET NEEDS ARE RAPIDLY CHANGING



World Bank

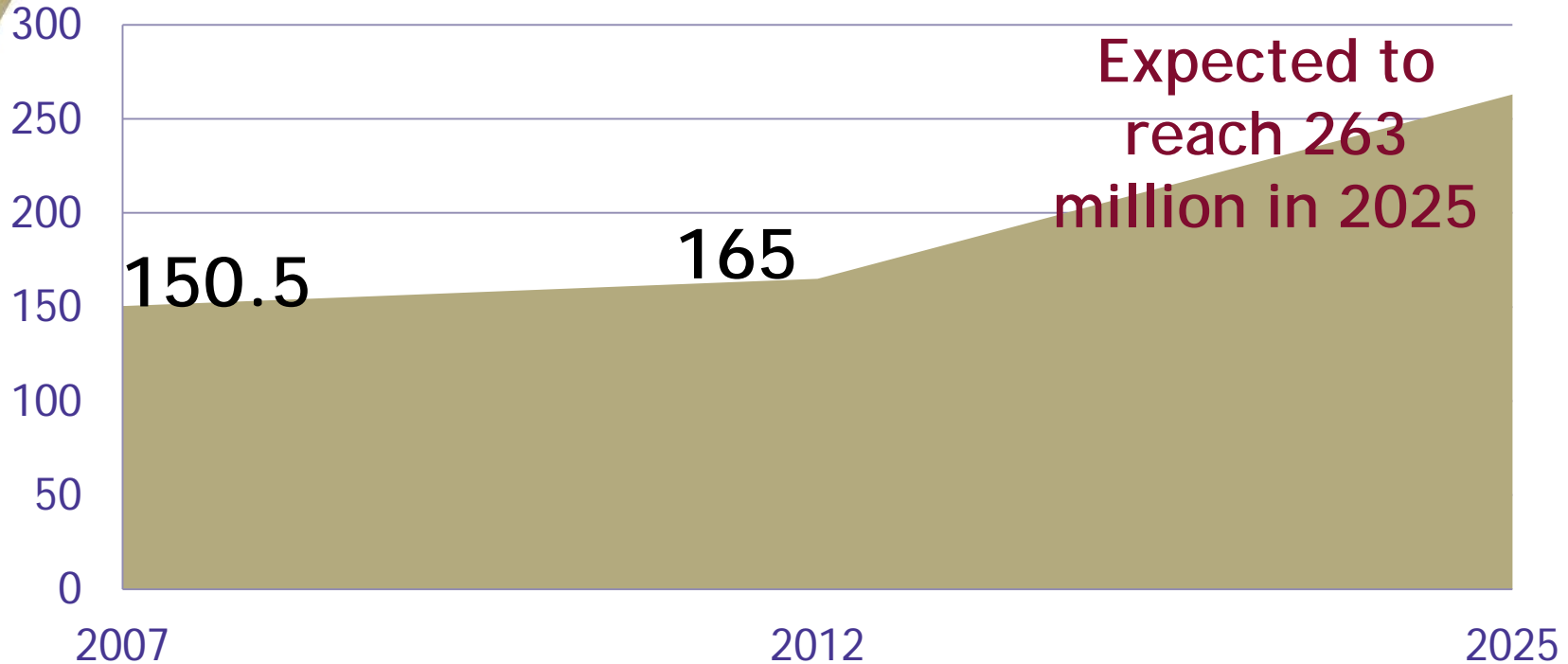
*(WB Strategy 2020 –
Learning for All.
Investing in People’s
Knowledge and Skills to
promote Development)*

- *“The stunning rise of the middle-income countries, led by China, India and Brazil, has intensified the desire of many nations to increase their competitiveness by building more highly skilled workforces.”*



LEARNING FOR SUSTAINABLE DEVELOPMENT

Tertiary Students Globally





MOOCS - PROS AND CONS

+

Increase access to high quality education

Access to global leaders in fields of study

Minimal costs

-

Yet to see successful business model

Costly and time-consuming to produce, most participants are already well-educated

Around 5% registrants actually complete the courses



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www.moocs4dev.org

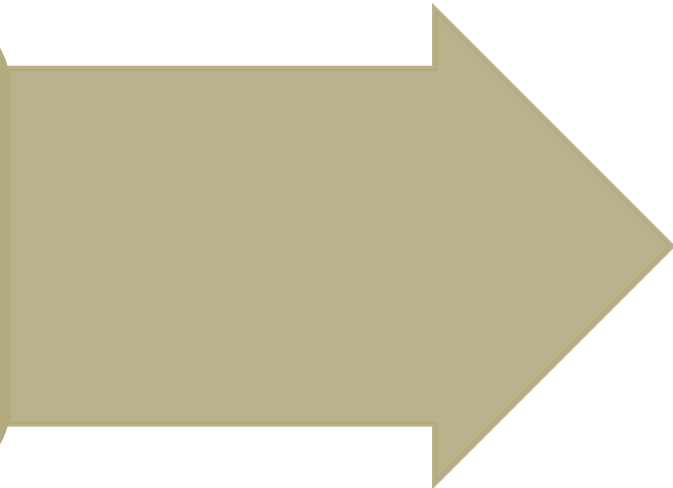
- Student management system
- Forum for threaded discussions
- Audio and video streaming
- Learning analytics
- Repository for learning materials
- Assessment questions



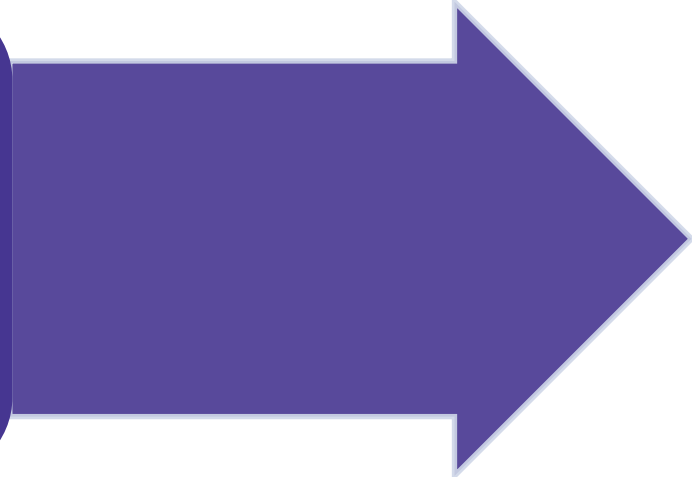
DEFINITION OF OER

Materials offered
freely & openly to
use & adapt for
teaching, learning,
development &
research

OER is shareable in digital formats (both online and via offline formats, e.g. DVDs, CD-ROM)



Within the development context COL is working, OER can also be in print formats



Other influence on higher education

Mobile learning
(mLearning)

Implications to Higher Education

Data, careful analysis & developing strategies

Engage in partnerships

Better teaching, increasing independent learning by students

Access to global resources (via MOOCs, OER, etc.)

Necessary skills and knowledge to meet the needs of society

Increased engagements between students, academics, administration & society to build the institution