

4th Annual Australian Higher Education Congress 2011

Towards transformation:

responsive strategies to improve tertiary education in Australia

7th - 9th March 2011, Sydney Convention Centre, Darling Harbour, Sydney

Register Today!

International Keynote
Sir John Daniel

4th Annual Australian Higher Education Congress 2011

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Northern
Territory

Queensland

Western
Australia

South Australia

New South
Wales

Victoria

Tasmania



COMMONWEALTH *of* LEARNING

WHO SUPPORTS COL?

All Commonwealth governments made voluntary contributions to COL's budget in 2007-09 except:

Australia, Brunei Darussalam, Cameroon, Dominica, Malawi, and Vanuatu.

(Singapore makes significant in-kind contributions and Australia supports our Pan-Commonwealth conference)

The number of countries contributing rose from 27 in 2003-06 to 41 in 2006-09

WHERE IS IT?



Vancouver
(Headquarters)



New Delhi
(CEMCA)

Commonwealth of Learning

Innovation in boosting participation:
considering the potential of IT

Innovation in boosting participation: considering the potential of IT

- How can IT be used to boost participation?
- Innovation to achieve higher participation
- A global perspective: reviewing global developments, successes and failures
- To what extent will distance learning reform the higher education sector?

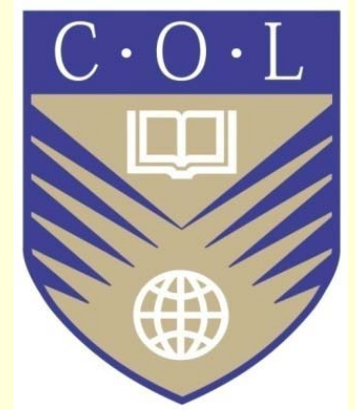
- Boosting participation
- Opening up higher education
- Global developments
- Reforming higher education

Will Higher Education Split?



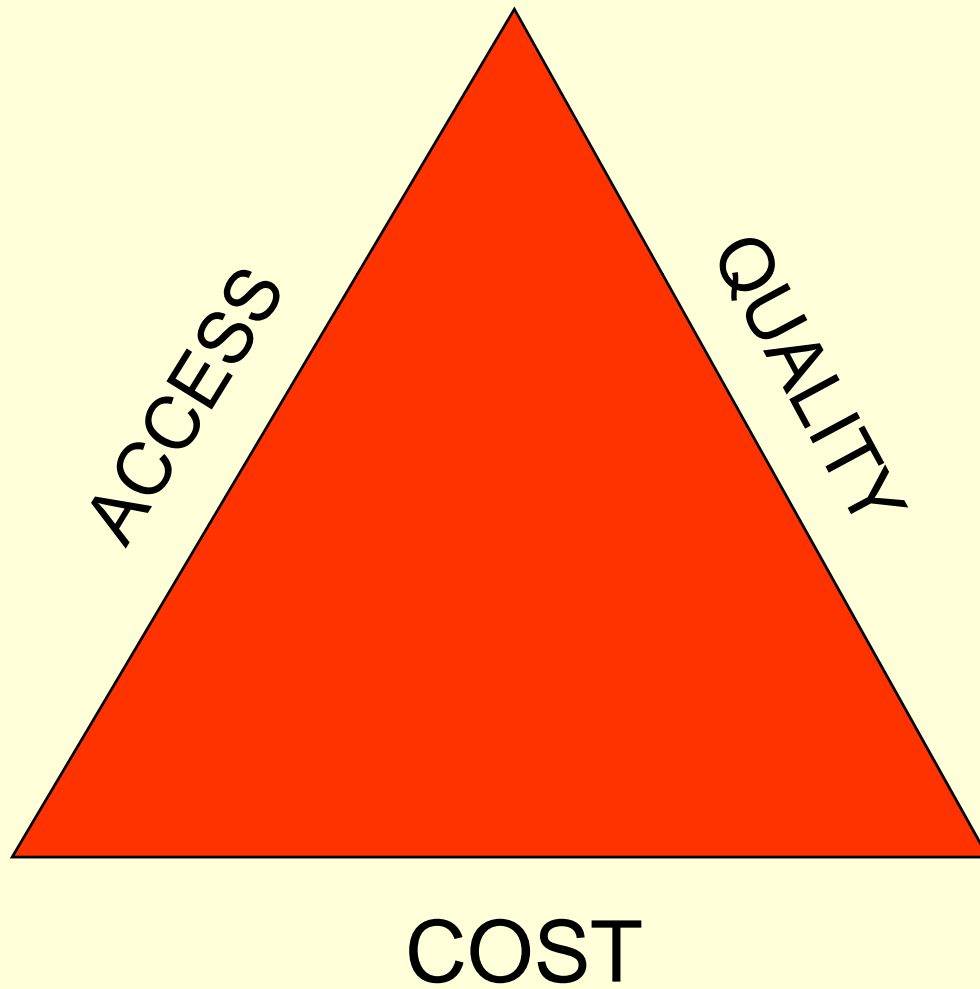
Sir John Daniel

Commonwealth
of Learning



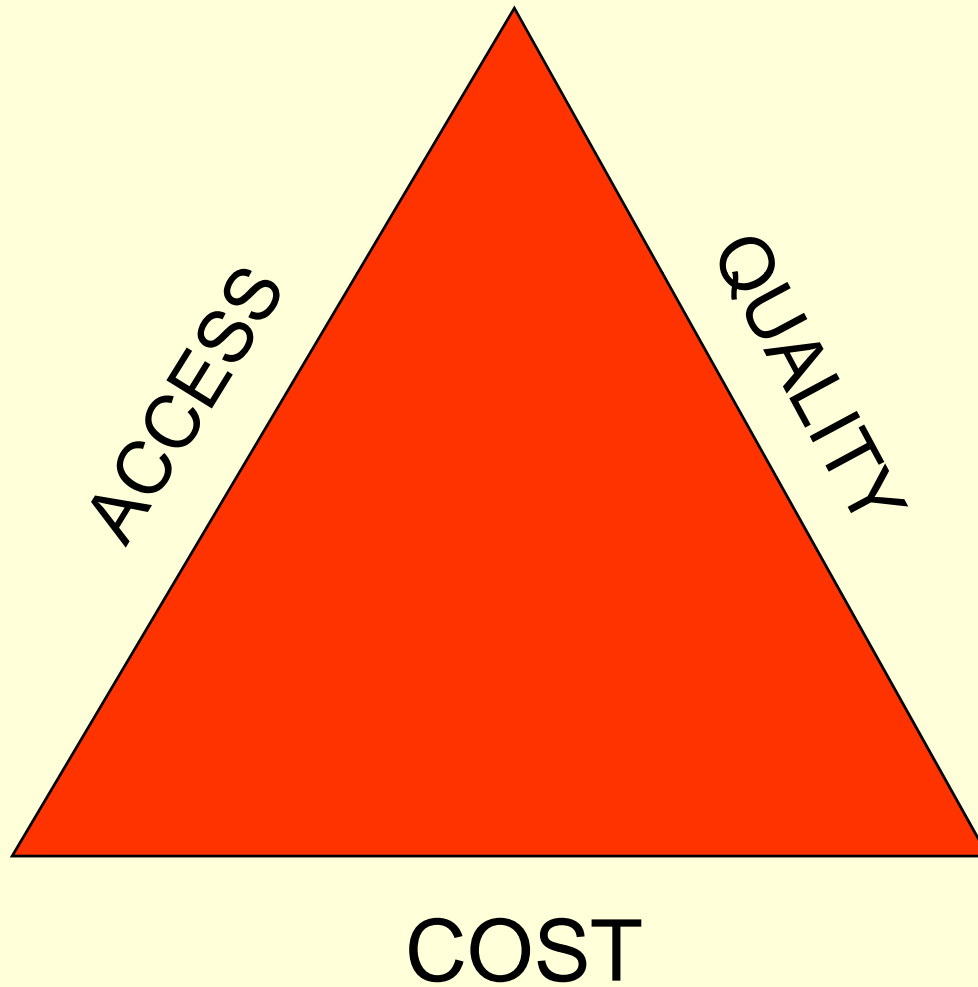
The Central Challenge

- ACCESS (wider)
- QUALITY (higher)
- COST (lower)



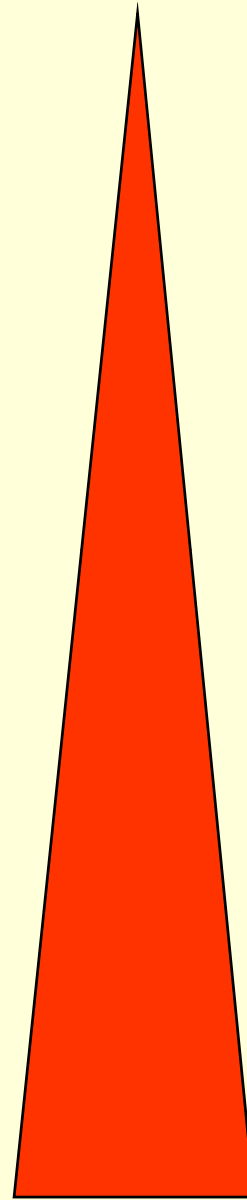


The Iron Triangle



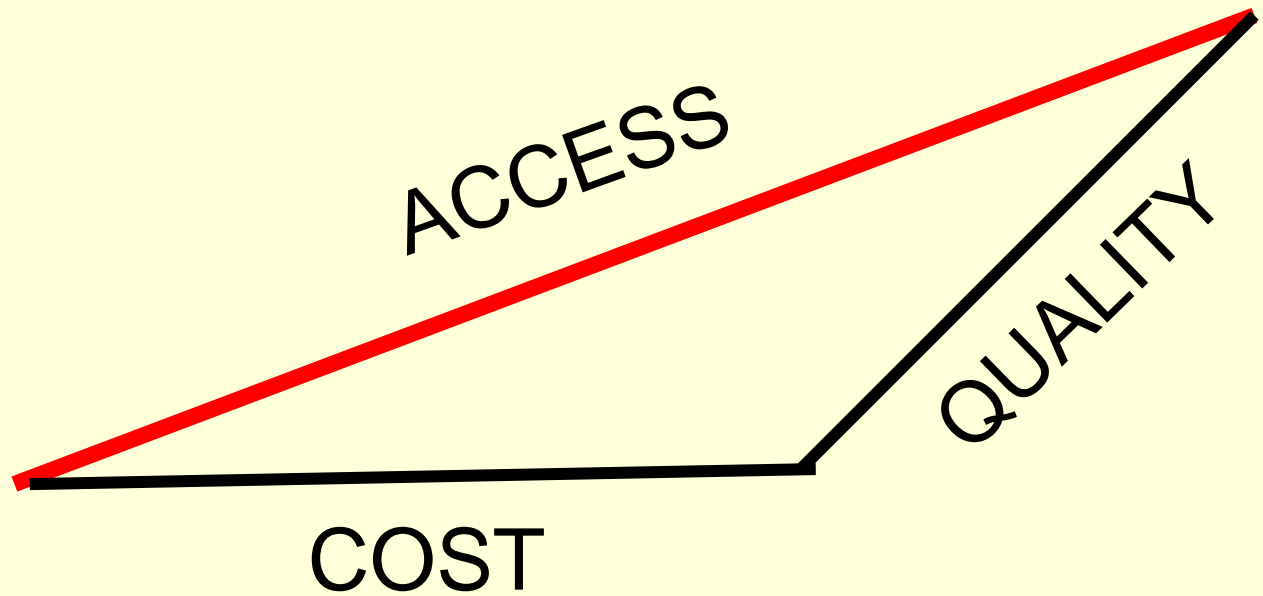
ACCESS

QUALITY

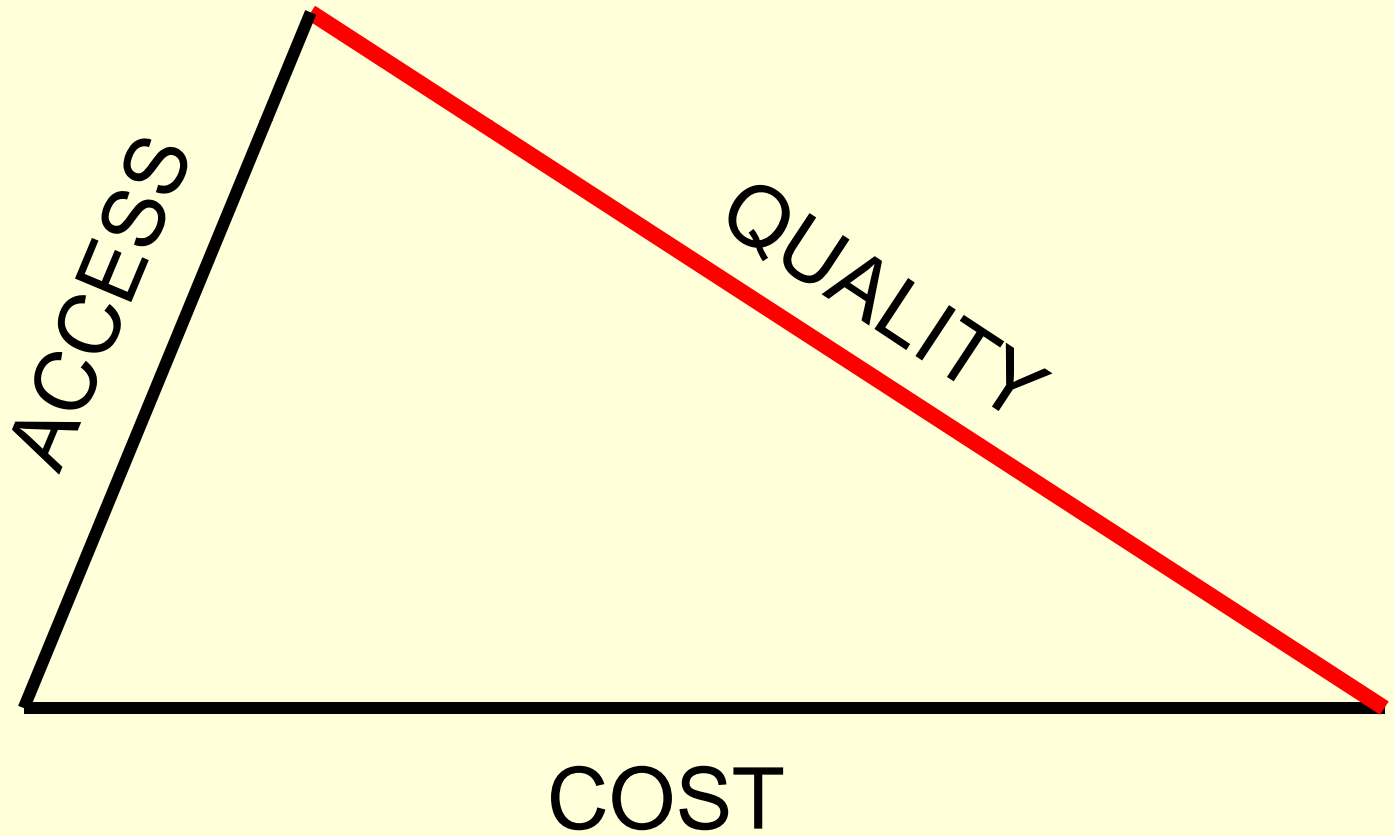


COST

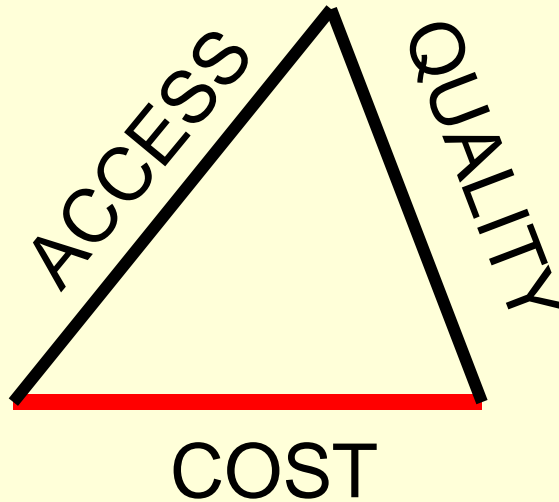
The Iron Triangle



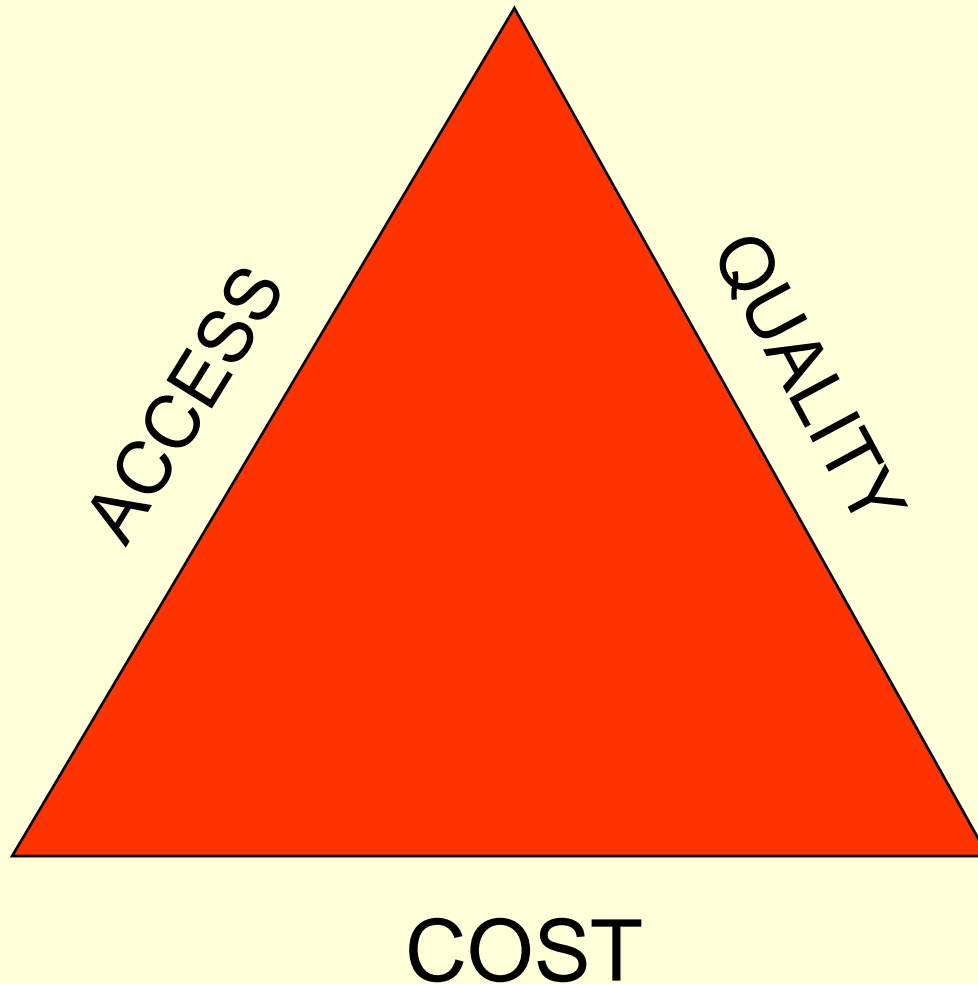
The Iron Triangle



The Iron Triangle

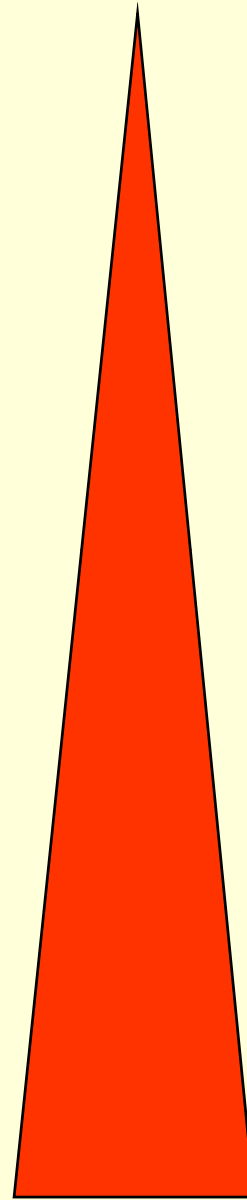


**“an insidious link between
quality and exclusivity”**



ACCESS

QUALITY



COST

The Technology Revolution

- ACCESS (wider)
- QUALITY (higher)
- COST (lower)

ALL AT THE SAME TIME!

Defining Technology

Technology is the application of scientific and other organized knowledge to practical tasks by organizations consisting of people and machines...

Two Generations of Technology

- Productive technology:
the industrial revolution
- Digital technology:
the information revolution

Principles of Technology

- Division of labour
- Specialisation
- Economies of scale
- Machines and ICTs



Adam Smith
1723-1790

DIGITAL TECHNOLOGY

“networked individualism”

“participating, collaborating and producing as part of a community”

“connectivism”

productive technology

+

digital technology

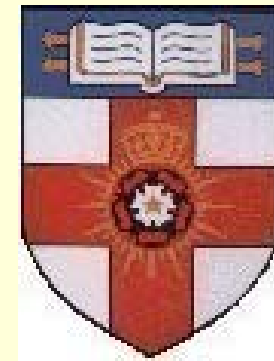
Is it scalable?

UNIVERSITY OF LONDON
External System

150 YEARS OF INTERNATIONAL
ACADEMIC EXCELLENCE AND INNOVATION



THE PEOPLE'S UNIVERSITY 1858-2008



University of London
External System

The
People's
University



The Open University

260,000 students
of which
>60,000 ex UK

Open as to:

- People
- Places
- Methods
- Ideas



EMPIRE STATE COLLEGE

STATE UNIVERSITY OF NEW YORK

Open Educational Resources

“educational resources that are freely available for use by educators and learners, without an accompanying need to pay royalties or license fees”





Athabasca University 

Canada's  Open University™



Students awarded credible degree or credential



Participating institutions grant credit for courses



Open assessment from participating institutions



Open student support via "Academic Volunteers International"



Learners access courses based solely on OER



The OER university concept. Adapted from Taylor (2007)



The Virtual
University
for
Small States
of the
Commonwealth






The Open University

World class learning, anywhere

Warning! Content may transform your life


- OU Learn**
- Arts and Humanities
 - Childhood and Youth
 - Computing and ICT
 - Engineering and Technology
 - Environment
 - Languages
 - Law
 - Maths
 - Science
 - Social Science
 - OU Life

Featured Content




Social Science

Living in a Globalised World



OU Life

The Vice Chancellor on the Open U...




OU Life

Lord David Puttnam on New Media ...

OU Power Search

Search The Open University

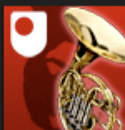
- TOP DOWNLOADS**
- 

OU Life


What iTunes means for the OU
The Open University
 - Positive political influences on t...**
The Open University
 - Population registration tests**
The Open University
 - Britains imperial role**
The Open University
 - Save Britain's Heritage**
The Open University

- OU Links**
- The Open University
 - Study at the OU
 - About the OU
 - Research at the OU
 - Contact the OU

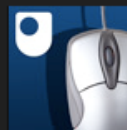
Subjects at the OU



Arts and Humanities



Childhood and Youth



Computing and ICT

Links

There have been 28 million downloads of the UK Open University's materials from iTunes (300,000 per week)

Innovation in boosting participation: considering the potential of IT

- How can IT be used to boost participation?
- Innovation to achieve higher participation
- A global perspective: reviewing global developments, successes and failures
- **To what extent will distance learning reform the higher education sector?**

Two options for distance learning:

- Corporate unit – team production
- Individual academic efforts

Open Educational Resources

reduce entry barriers

Open Educational Resources

reduce entry barriers
BUT

Keep a corporate grip:

- Coherent programme offerings
- Keeping costs under control

Watching costs

In course development:

- rough job and revise constantly,

or

- polished version and revise less

Watching costs

In student support:

- compensate for weaknesses by attempting 24/7 tutor availability

Meta-analysis (600 papers)

Effect of increasing interaction:

- student – content
- student – student
- student – teacher

(R. Bernard et al., Concordia University, Montreal)

Meta-analysis (600 papers)

Effect of increasing interaction:

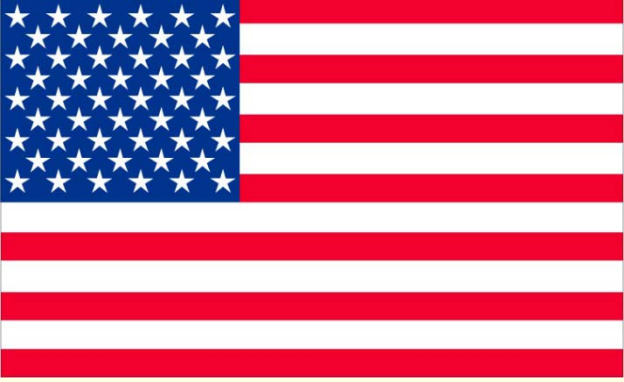
- student – content XXXX
- student – student XX
- student – teacher X

(R. Bernard et al., Concordia University, Montreal)



Professor Tony Bates
"2011 Outlook for Online Learning and
Distance Education"

(www.contactnorth.ca)



United States

Enrolments in eLearning courses increased by 21% between 2009 and 2010 compared to 2% for campus enrolments.

- goals for eLearning are unambitious
- costs are rising
- no evidence of better learning outcomes
- failure to meet quality standards



United States

the for-profit sector has a much higher proportion of the total online market (32%) compared to its share of the overall higher education market (7%).



Tony Bates

"a growing market that is not well served by campus-based education"

"If public institutions do not step up to the plate, then the corporate for-profit sector will".

Will higher education
split over the coming
years into a public
sector focussed on
research and a for-profit
sector doing most of the
teaching?

The World Conference on Higher Education UNESCO Paris - July 2009



"The New Dynamics of Higher Education



Massification

- Globally, age participation rates grown from 19% in 2000 to 26% in 2007
- 150.6 million tertiary students globally in 2007, 53% increase over 2000
- Low income countries: from 5% in 2000 to 7% in 2007















The
Great
Brain Race

How Global Universities
Are Reshaping the World



BEN WILDAVSKY

UNIVERSITY RANKINGS

 Technical University of Munich	60	45	45	54	56	57	57
 Texas A&M University	70			88	91	88	88
 Tohoku University	64	69	69	76	76	79	84
 Tokyo Institute of Technology				89	99		
 Tokyo University	19	14	14	19	20	19	20
 Tufts University	83	99	99				
 University of Arizona	55	76	76	76	74	77	77
 University of Basel	96	91	91	81	82	87	85
 University of Birmingham		93	93	90	92	91	94
 University of Bonn		99	99		99	97	98
 University of Bristol	55	60	60	62	62	61	61
 University of British Columbia	35	36	36	36	36	35	36
 University of California, Berkeley	4	4	4	4	3	3	3
 University of California, Davis	36	42	42	42	43	48	49



DIRECTIONS IN DEVELOPMENT
Human Development

The Challenge of Establishing World-Class Universities

Jamil Salmi

World Class Universities or Locally Relevant Systems?



WHY DOES COLLEGE



COST SO MUCH?

ROBERT B. ARCHIBALD AND DAVID H. FELDMAN

“A disruptive technology,
which online learning
may prove to be, rarely
favours existing
providers”

“over 80% of US students are expected to be taking courses online in 2014, up from 44% in 2009”

Higher Education: a Great Divide?

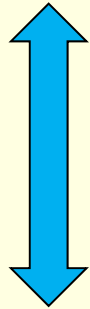
Teaching

Research



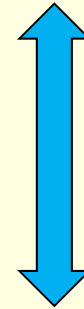
Higher Education: a Great Divide?

Teaching



Private

Research



Public





THANK YOU

For text and slides:
www.col.org/speeches

For text and slides

www.col.org/speeches