



Good to be back!

Thank you for New Zealand's
constructive contribution to multi-
lateral educational organisations
(e.g. UNESCO, COL)



Linda Sissons

Chair, Board of Governors
Commonwealth of Learning

PLAN

- Turbulent times, drivers of change
- Technology – the Iron Triangle
- Evolution not revolution
- Sector collaboration
- Quality assurance for our times

**No
Worries
on
Higher Education
in
New Zealand**



***Are MOOCs the Long-Awaited
Revolution in Higher
Education?***

Sir John Daniel

PLAN

- Turbulent times, drivers of change
- Technology – the Iron Triangle
- Evolution not revolution
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Turbulent and Testing Times for Higher Education





Turbulent and Testing Times for Higher Education

**The
Economist**

APRIL 27th–MAY 3rd 2013

economist.com

Britain's shaky economy

Time to scrap affirmative action

Bjorn Kjos, the Viking Stelios

Iran's fake messiahs

Criminal bumblebees

Generation jobless

**The global rise of
youth unemployment**



Idle hands

1

Youth unemployment and inactivity*

By region†, 2012 or latest, m

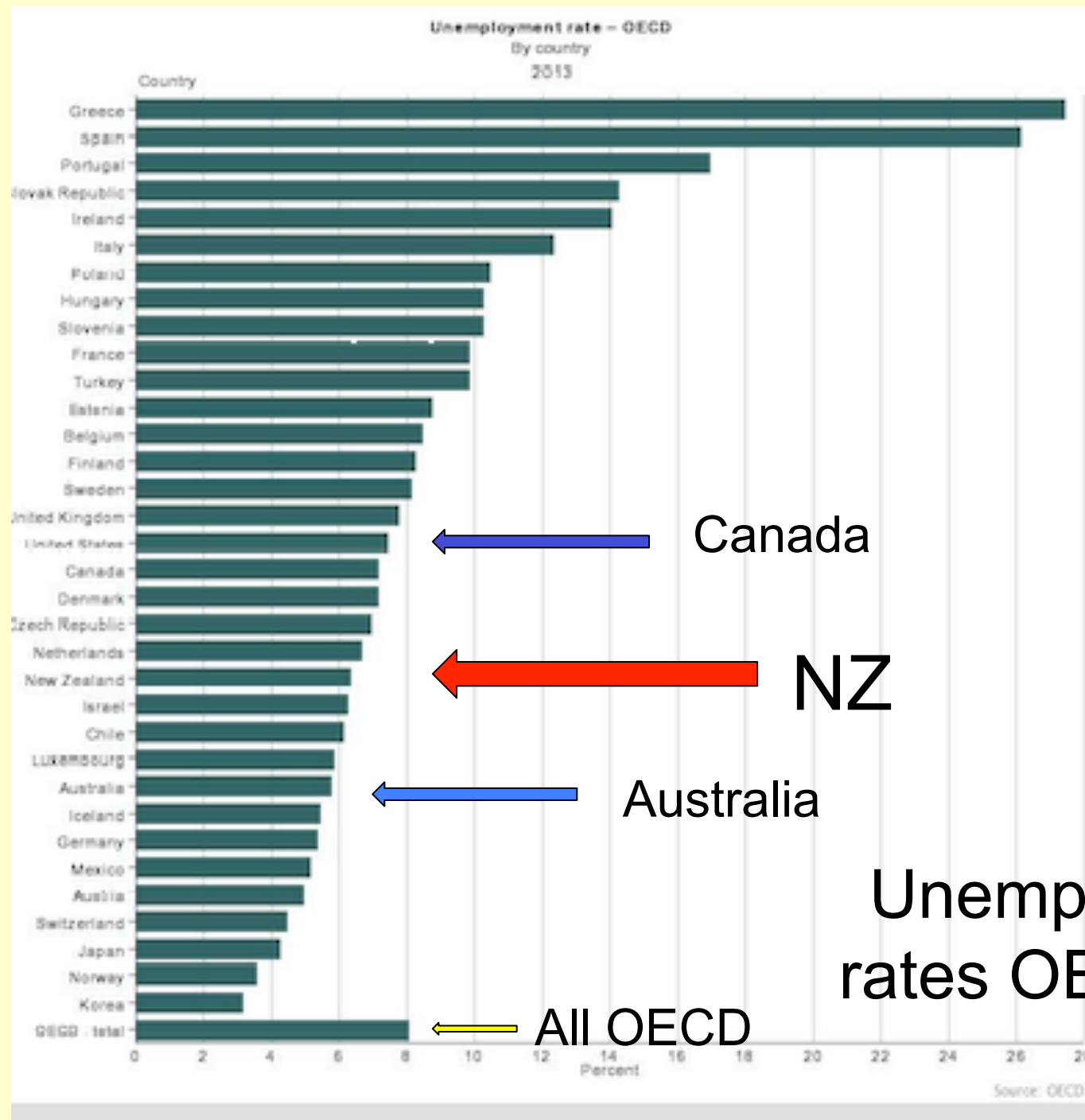


Sources: OECD; World Bank; *The Economist*

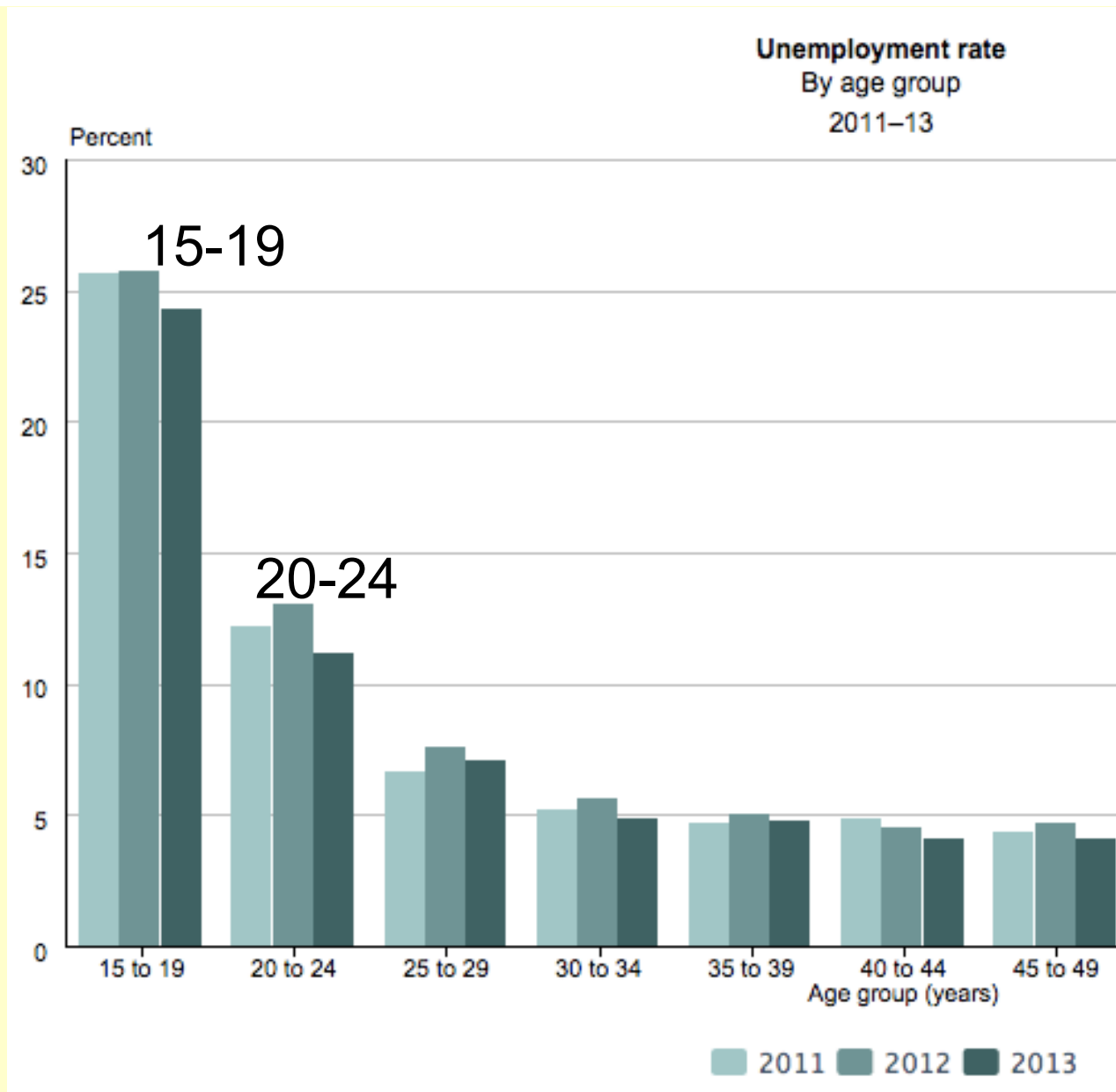
*15-24 year olds not in education

†Regions exclude OECD countries

‡Not in education or training



Unemployment
rates OECD 2013

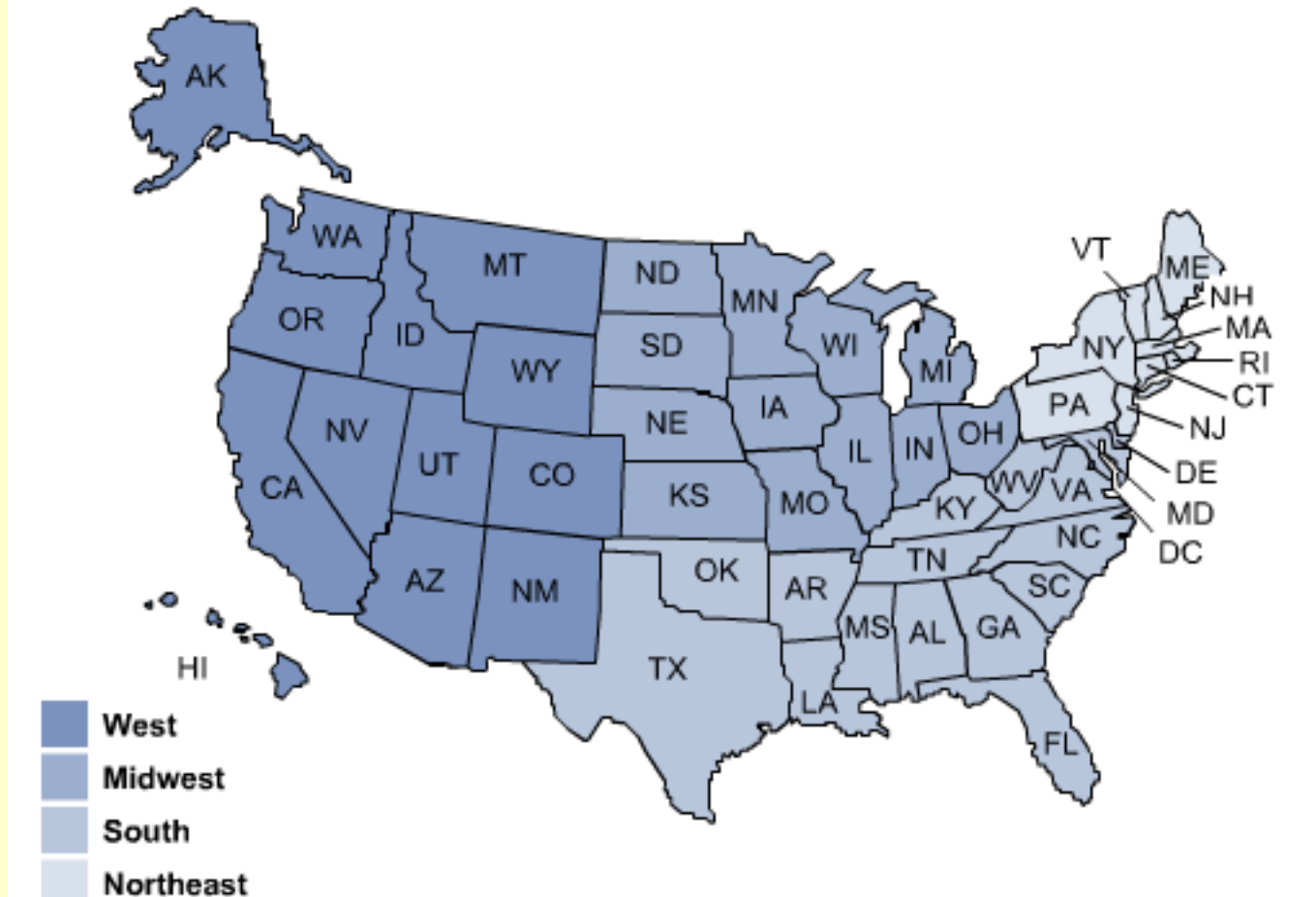


Unemployment by age group NZ 2013

China's Graduates Face Glut

Mismatch Between Their Skills, Job Market's Needs Results in Underemployment





Graduate underemployment:
2001 = 34%; 2012 = 44%

ECONOMIC CRISIS:



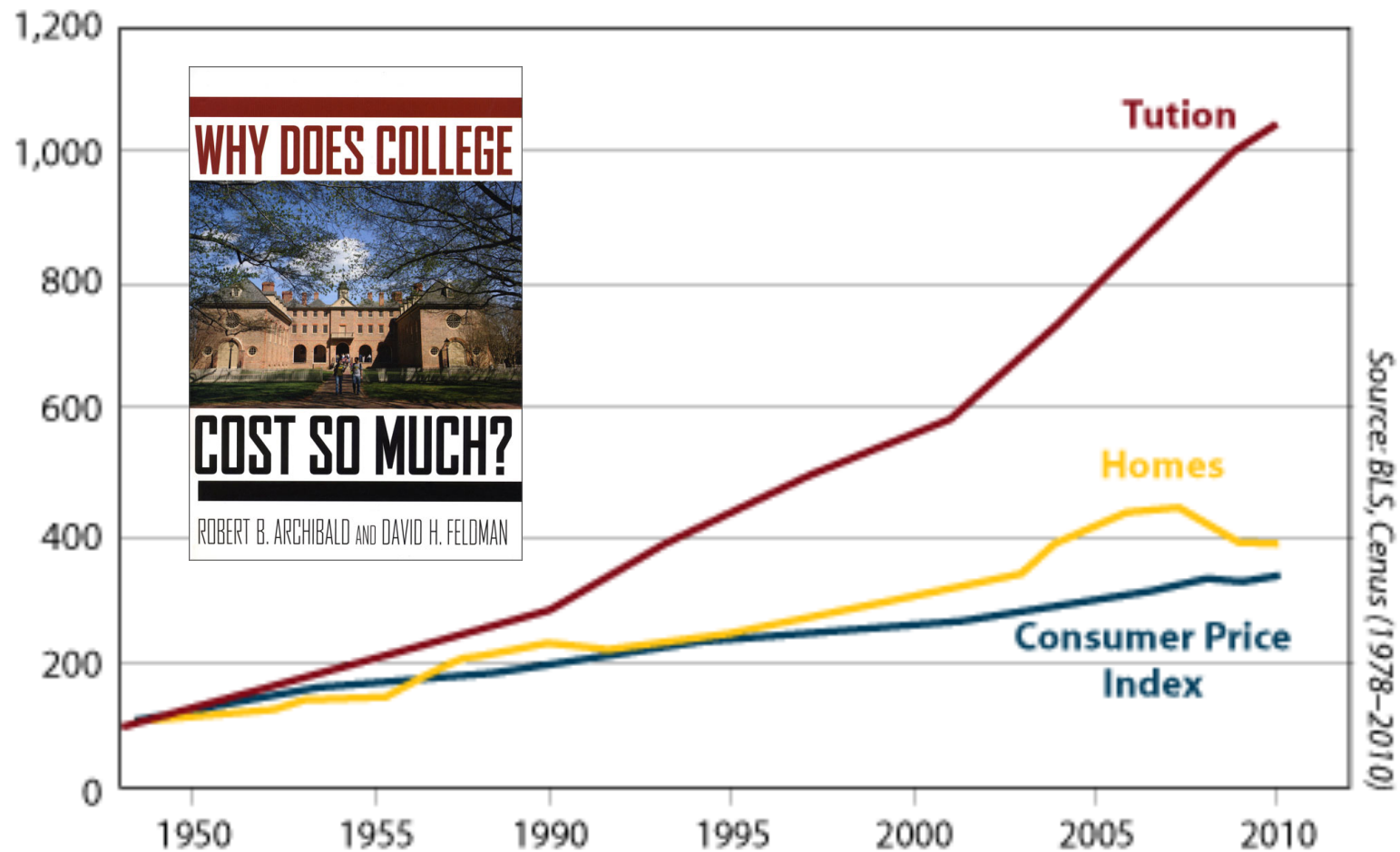
Dollar exchange rate easing credit strains
MARKET JITTERS spending power commodities
mutual fund **CREDIT CRUNCH** ds
endorses stimulus package **CAPITAL INVESTMENT** MARK
slow revival
Financial crisis LOW
fund dollar weakens STOCK MARKET
analysts **Downturn** Inflation earnings Co
slump confidence wobbles Profits down asset
Economic disaster looming CAPIT
SHARES WORTHLESS Worldwide
Stocks tumble assets **Crash!** rat
anxiety deepens Interest rates liquidity
survival in doubt **RECESSION FORECAST** reviv
risk mortgage slump key indices
MONETARY POLICY Offshore
currencies Global trends **Bust!**
fear grows announces trading loss
risk Govt. funds
Pension funds dry up MARK

US Public Universities

Tuition fees have increased by 5 times the inflation rate for 30 years.

The Other Learning Curve

College tuition CPI vs. U.S. Home Prices vs. CPI.



Tuition fees inflation

US Public Universities

Adjusted for inflation the
average middle-class
family earns \$400 less
than it did in 1988

US Public Universities

Tuition fees increased a record 8.3% in 2012, up 46% over the last decade.

US Public Universities

State funding declined a
record 9% in 2012, down
30% per student since
2000

US Public Universities

Tuition fees as a share of
total public university
revenue rose 62% over the
last decade

US Public Universities

In June 2013, total tuition fees discounts exceeded the total amount paid by parents. This is a 50% reduction from posted rates.

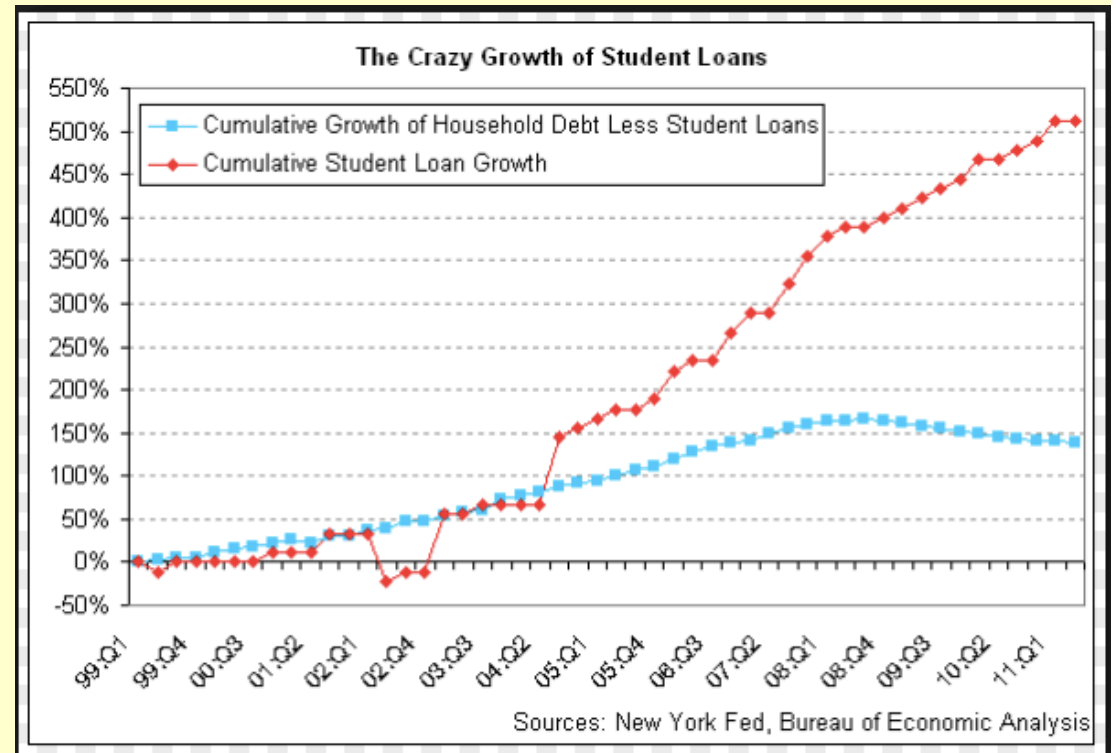
US Public Universities

Student
debt has
doubled
since 2007



US Public Universities

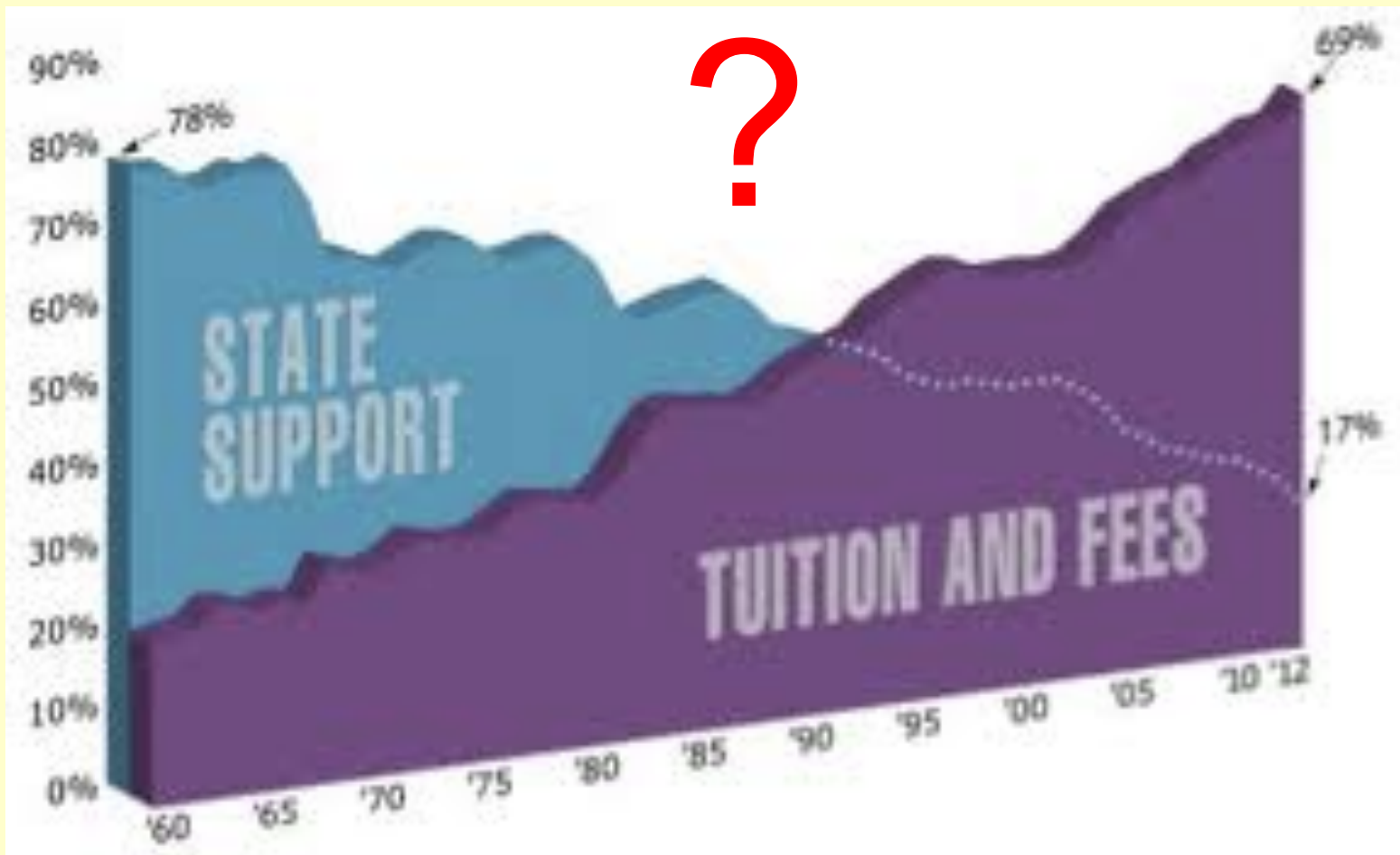
Student
loans have
topped one
trillion
dollars.



US Public Universities

In spring 2013
default rates on
student loans
reached a high of
17%

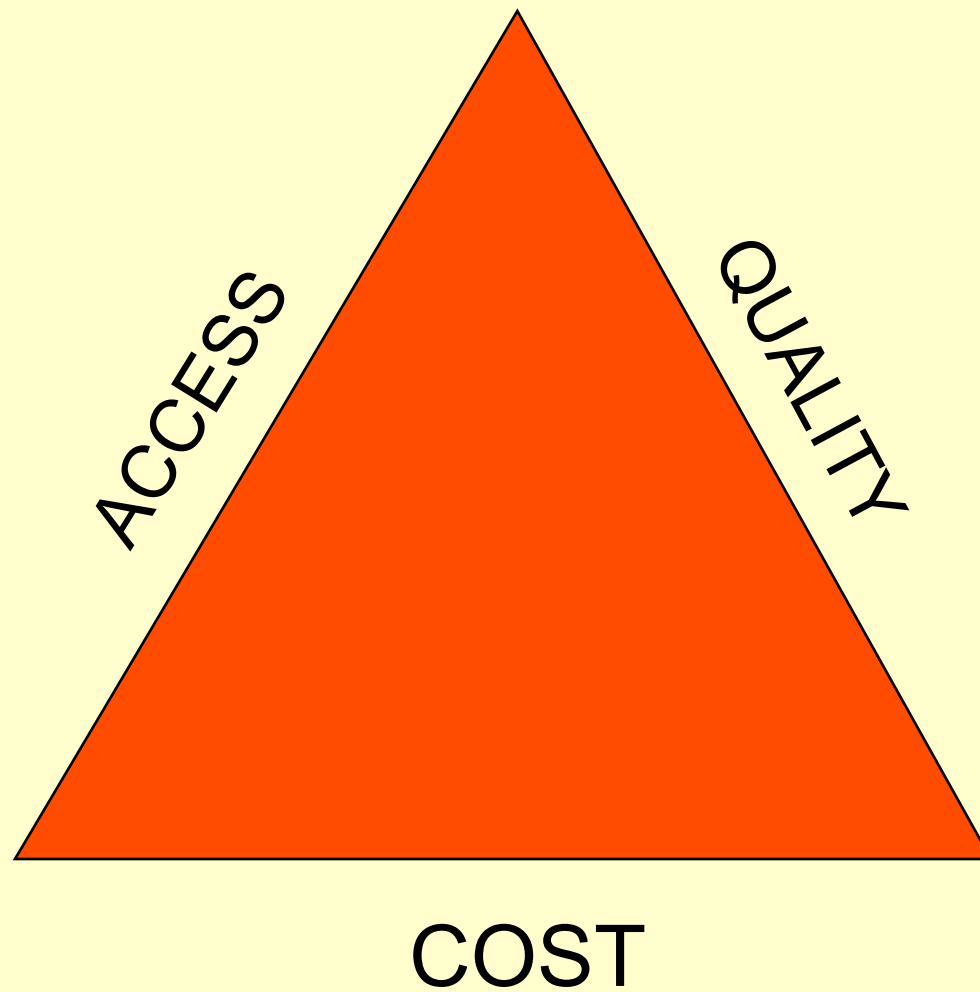




The economic driver of change

The Central Challenge

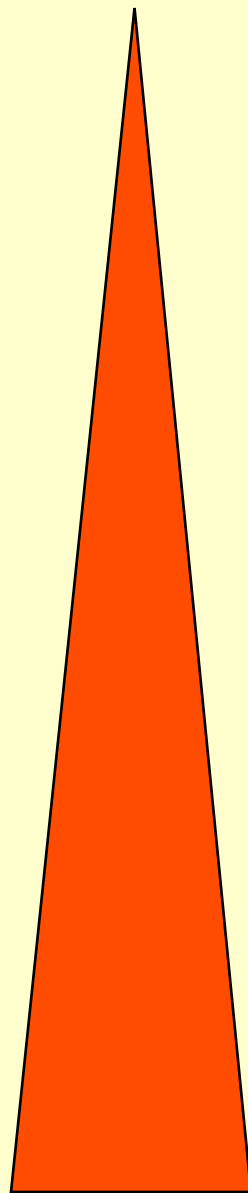
- ACCESS (wider)
- QUALITY (higher)
- COST (lower)



ACCESS

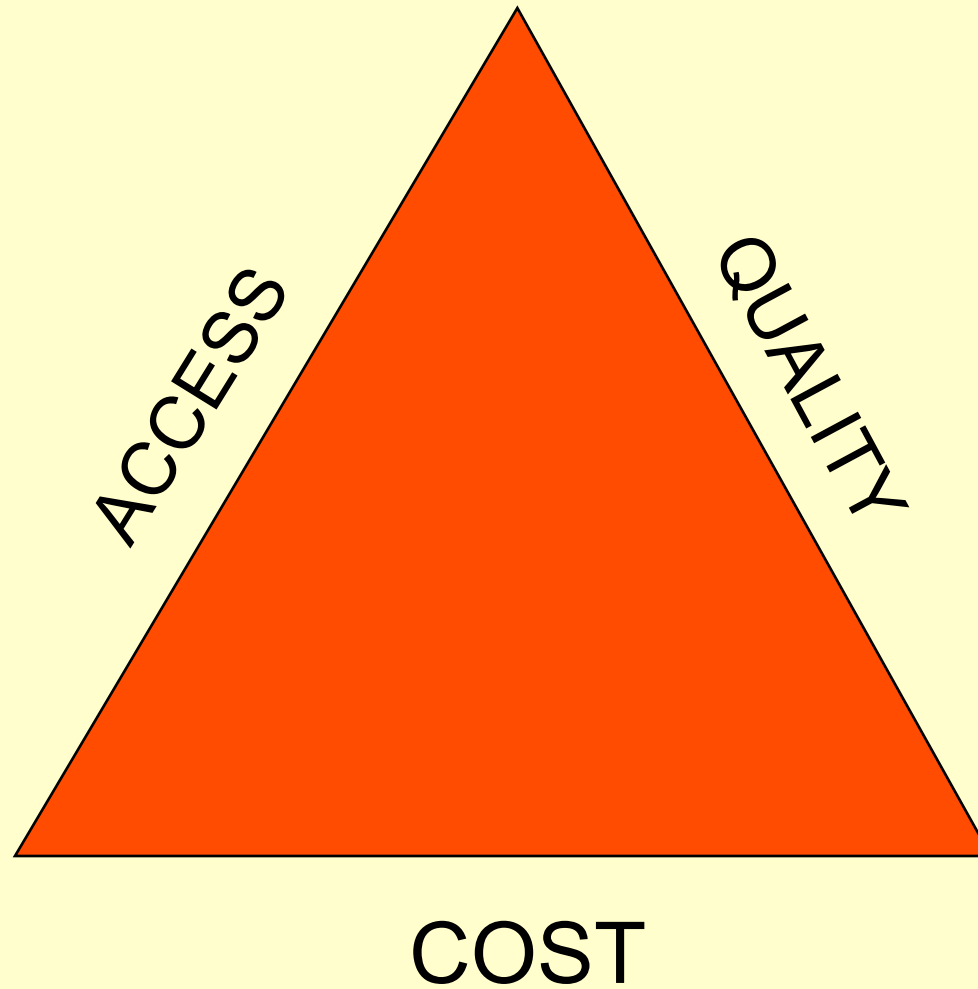
QUALITY

COST

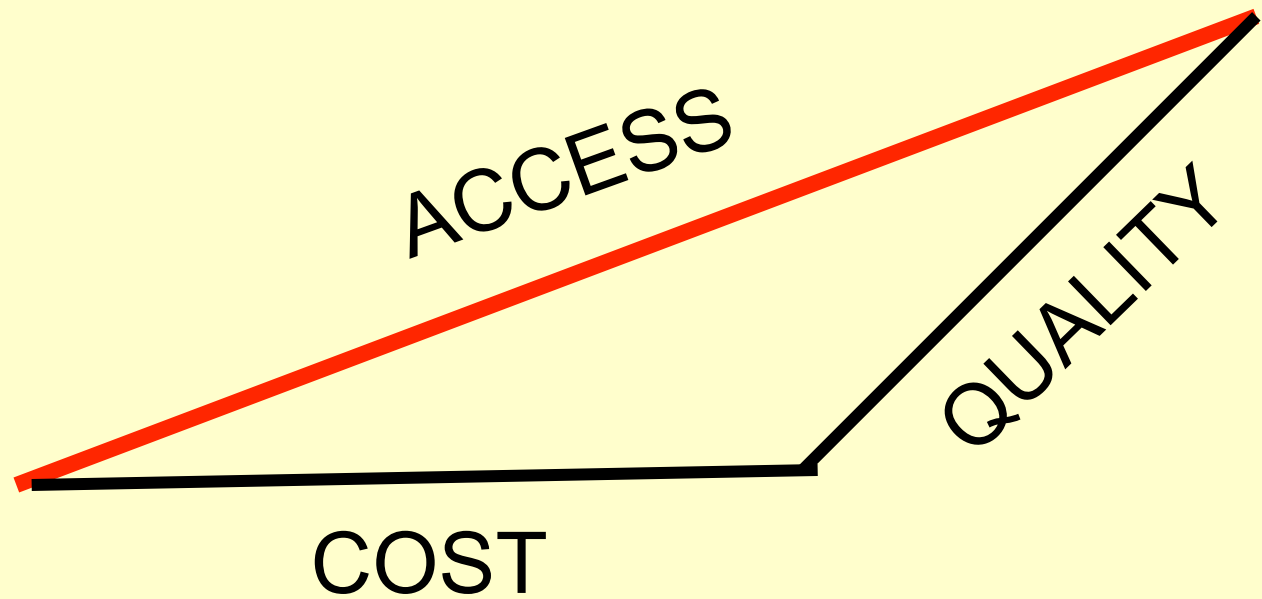




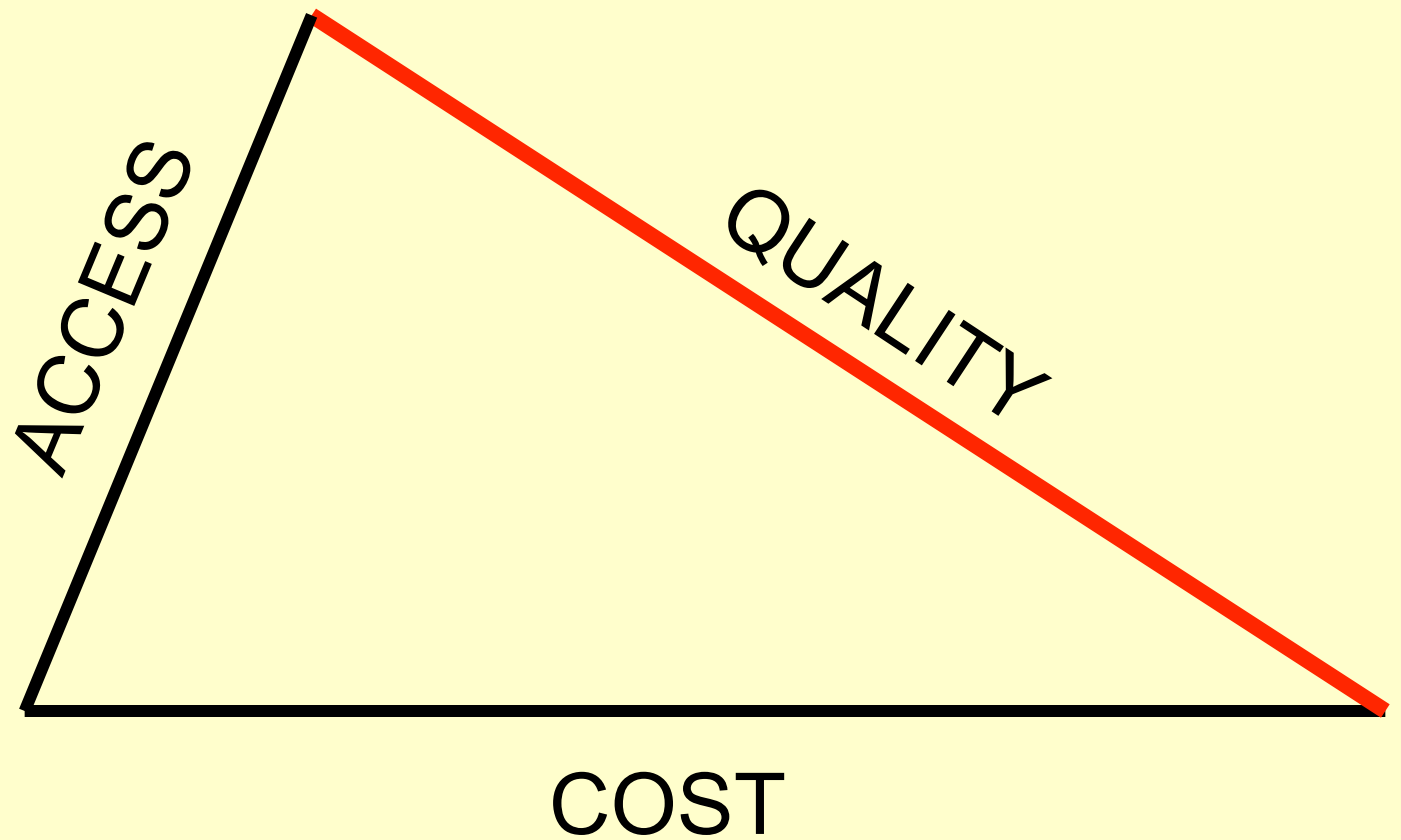
The Iron Triangle



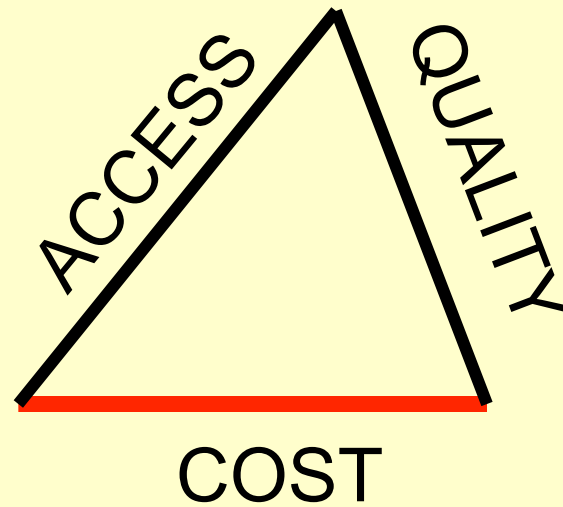
The Iron Triangle



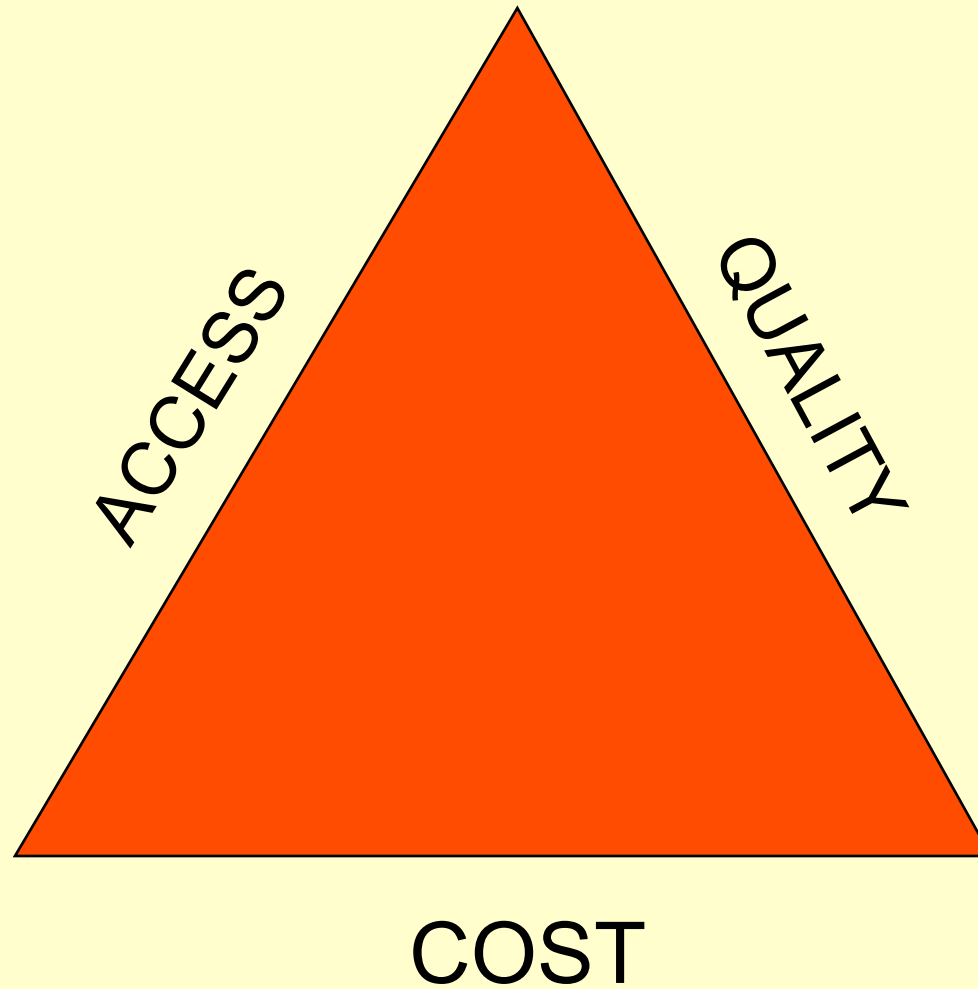
The Iron Triangle



The Iron Triangle



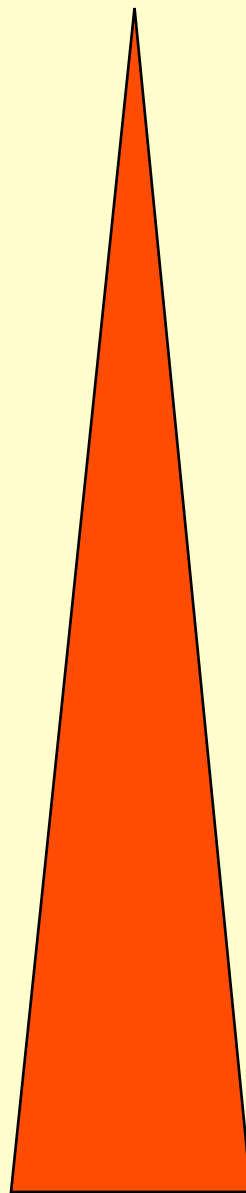
**“an insidious link between
quality and exclusivity”**



ACCESS

QUALITY

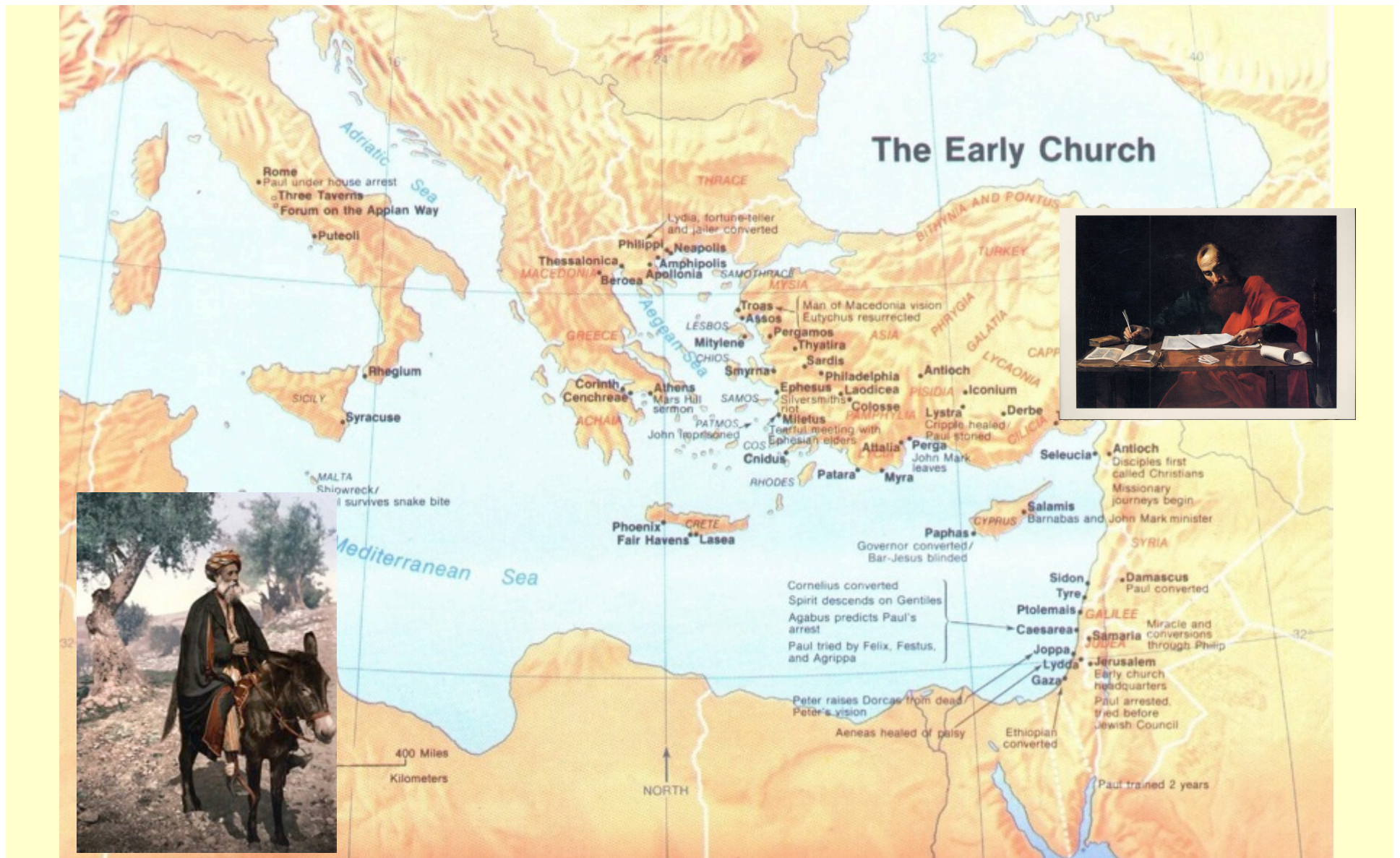
COST



The Technology Revolution

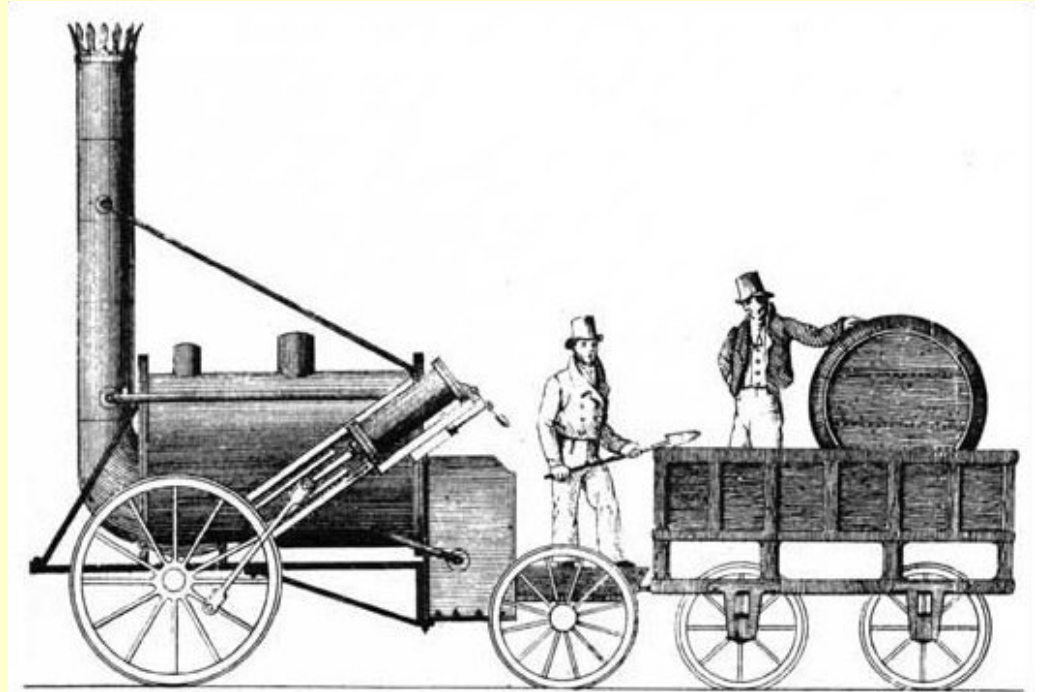
- ACCESS (wider)
- QUALITY (higher)
- COST (lower)

ALL AT THE SAME TIME!



St. Paul's epistles (~ 100AD)

Steam engine



Printing



Postal systems

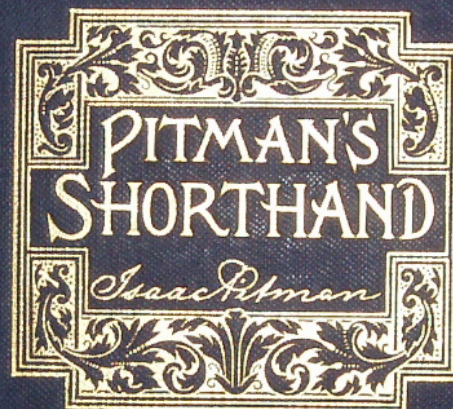




Printing & Post
 =
 Correspondence
 education



SHORT COURSE

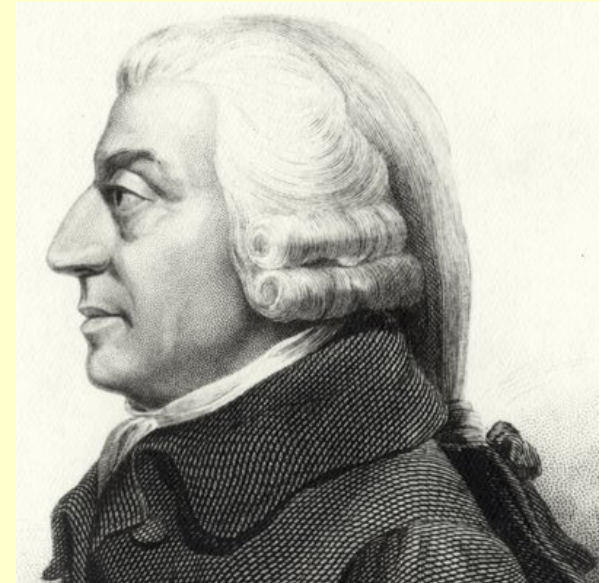


PITMAN'S
SHORTHAND

Isaac Pitman

Principles of Technology

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



Adam Smith
1723-1790



الجامعة العربية المفتوحة
Arab Open University



中央广播电视大学
THE OPEN UNIVERSITY OF CHINA



มหาวิทยาลัยสุโขทัยธรรมศาสตร์
Sukhothai Thammathirat Open University



ANADOLU ÜNİVERSİTESİ



AFRICAN VIRTUAL UNIVERSITY
UNIVERSITE VIRTUELLE AFRICAINE
UNIVERSIDADE VIRTUAL AFRICANA

دانشگاه پیام نور



The **Open** University of Sri Lanka
LIFE LONG LEARNING THROUGH DISTANCE EDUCATION



Athabasca
University



The Open University



KOGAN PAGE

Mega - Universities

and Knowledge

Media

Technology Strategies
for Higher Education

John S Daniel

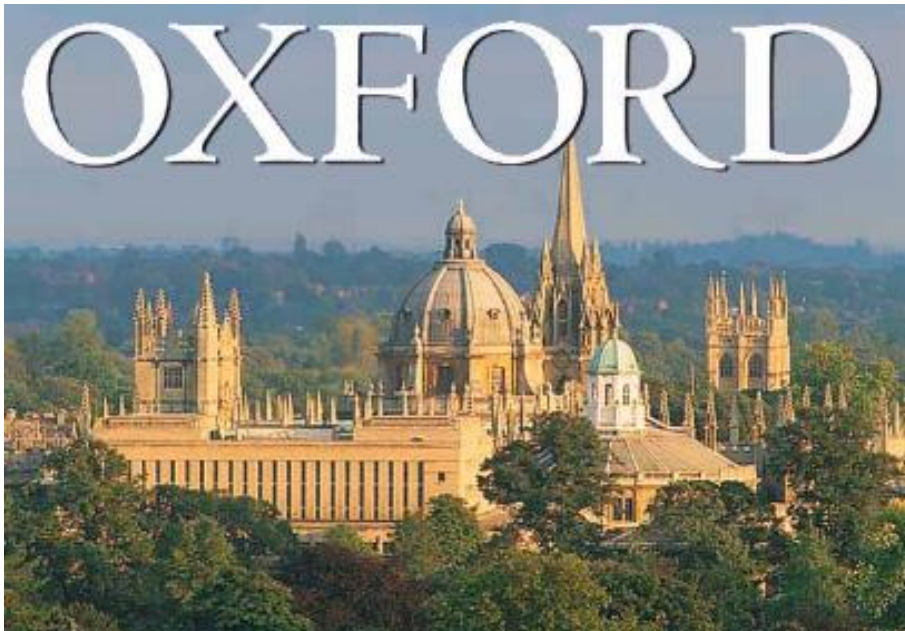


The Open University

Open as to:

- People
- Places
- Methods
- Ideas

OXFORD



PARIS



universities don't do revolutions



What is a MOOC?

Massive **O**pen **O**nline **C**ourse



Korea National Open University



Making Sense of MOOCs:

Musings in a Maze of Myth, Paradox and Possibility

‘What is new is not true and
what is true is not new’

Hans Eysenck on Freudianism



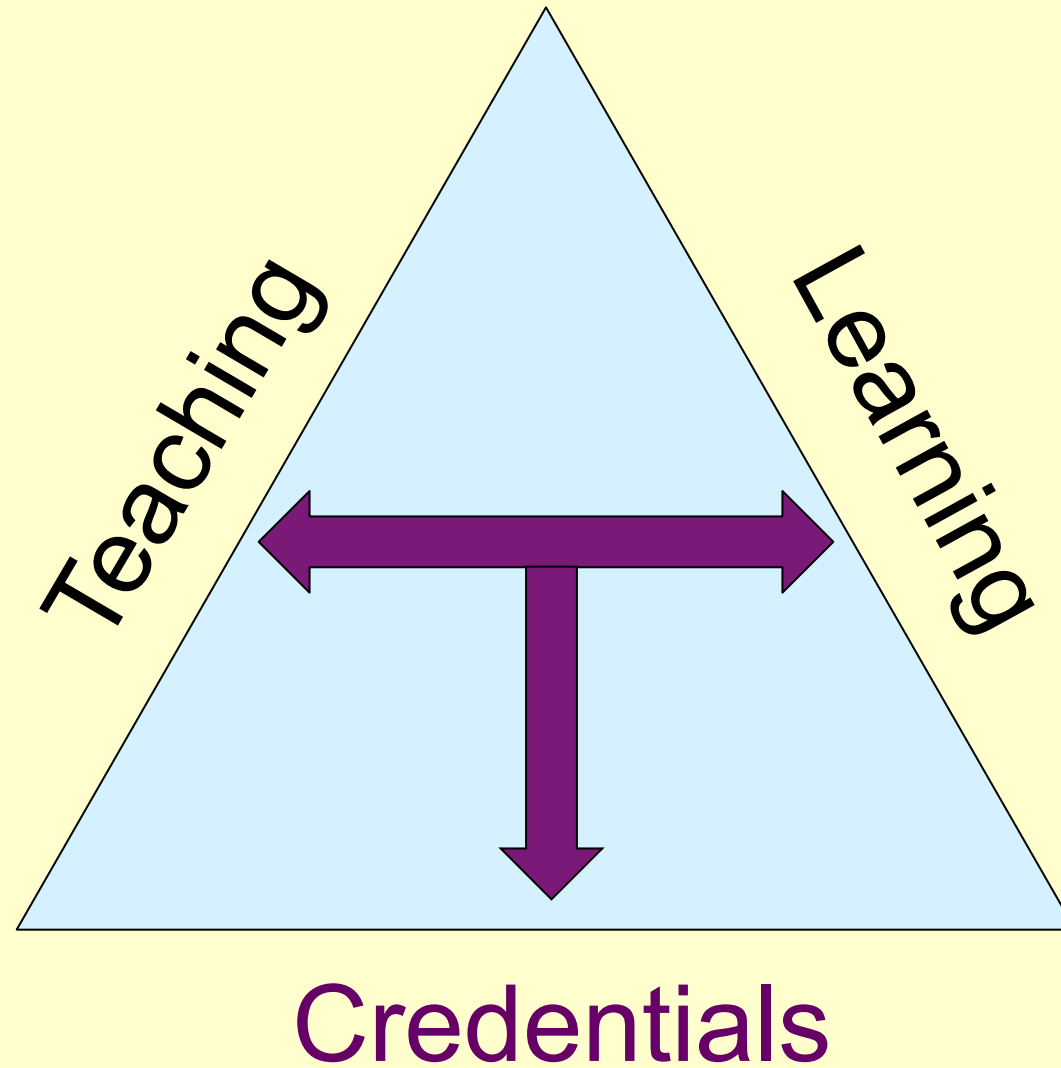
Course x6002 *Circuits and Electronics*

155,000 registrations

23,000 tried first test

9,000 passed mid-term

7157 passed = $< 5\%$



What is higher education?

BUT:

The universities have no
business model for
MOOCs!

Expenditure: \$ 50,000 and up

Revenue: \$ 0



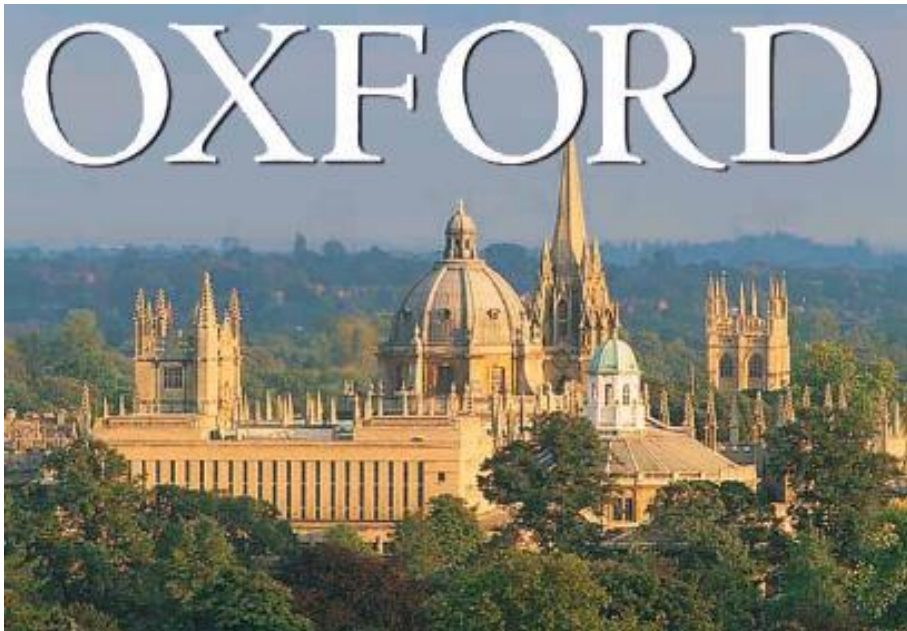


If Harvard leads, let's follow!



The herd instinct to Mooc!

OXFORD



PARIS



universities don't do revolutions





Wilhelm
von Humboldt

1767-1835

“The university teacher is thus no longer a teacher and the student is no longer a pupil. Instead the student conducts research on his own behalf and the professor supervises his research and supports him in it.”

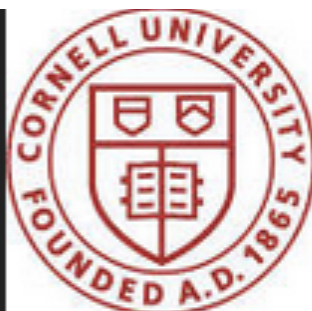
The Humboldtian University

The Morrill Act of 1862

“to focus on the teaching of practical agriculture, science, military science and engineering, though without excluding classical studies”



Michigan State University
East Lansing



Cornell University



Iowa State University
Ames



University of Florida
Gainesville



Ohio State University
Columbus



University of Illinois at Urban...
Champaign, Urbana



Pennsylvania State University
University Park, St...

K-STATE



Kansas State University
Manhattan



University of Minnesota
Minneapolis



North Carolina Agricultural and...
Greensboro

TUSK
UNIVE

Tuskegee University
Tuskegee Institute ...



Alabama Agricultural and...



University of Nebraska-Lincoln
Lincoln

Virginia
Tech
1872

Virginia Polytechnic Inst...
Blacksburg



Auburn University
Auburn, Auburn U...



Colorado State University
Fort Collins



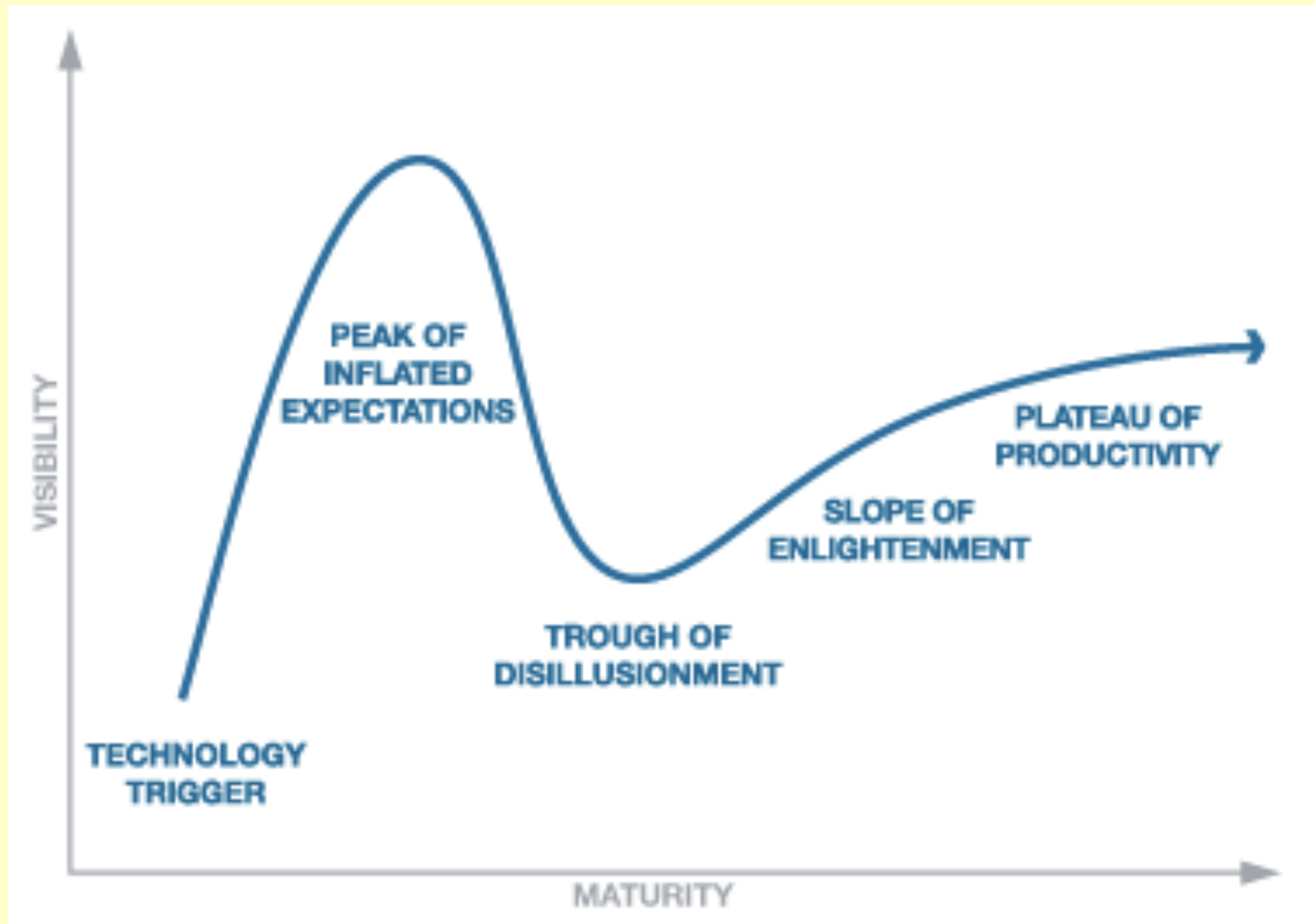
University of Wisconsin-Madi...
Madison



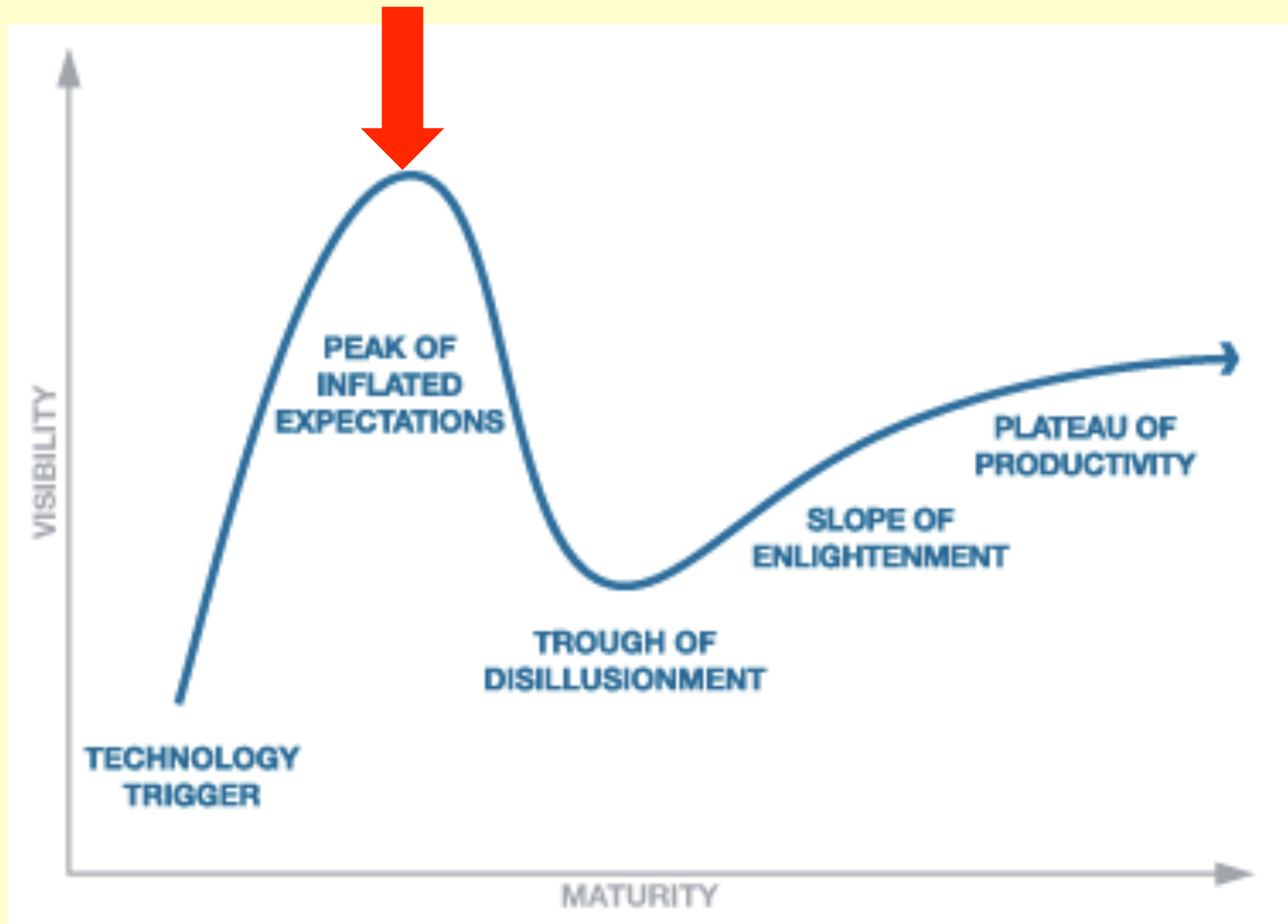
Purdue University
West Lafayette

What is a MOOC?

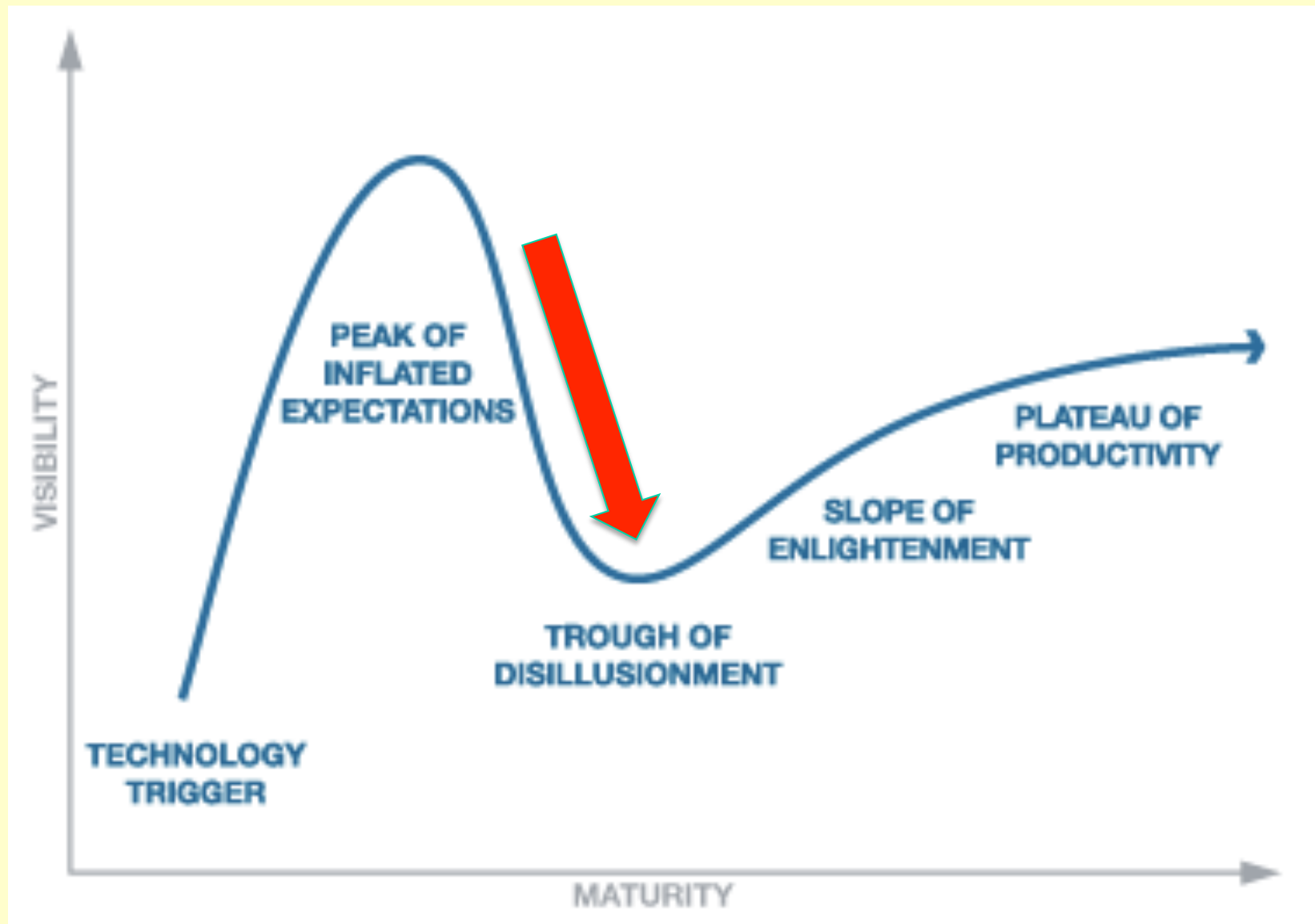
Massive **O**pen **O**nline **C**ourse



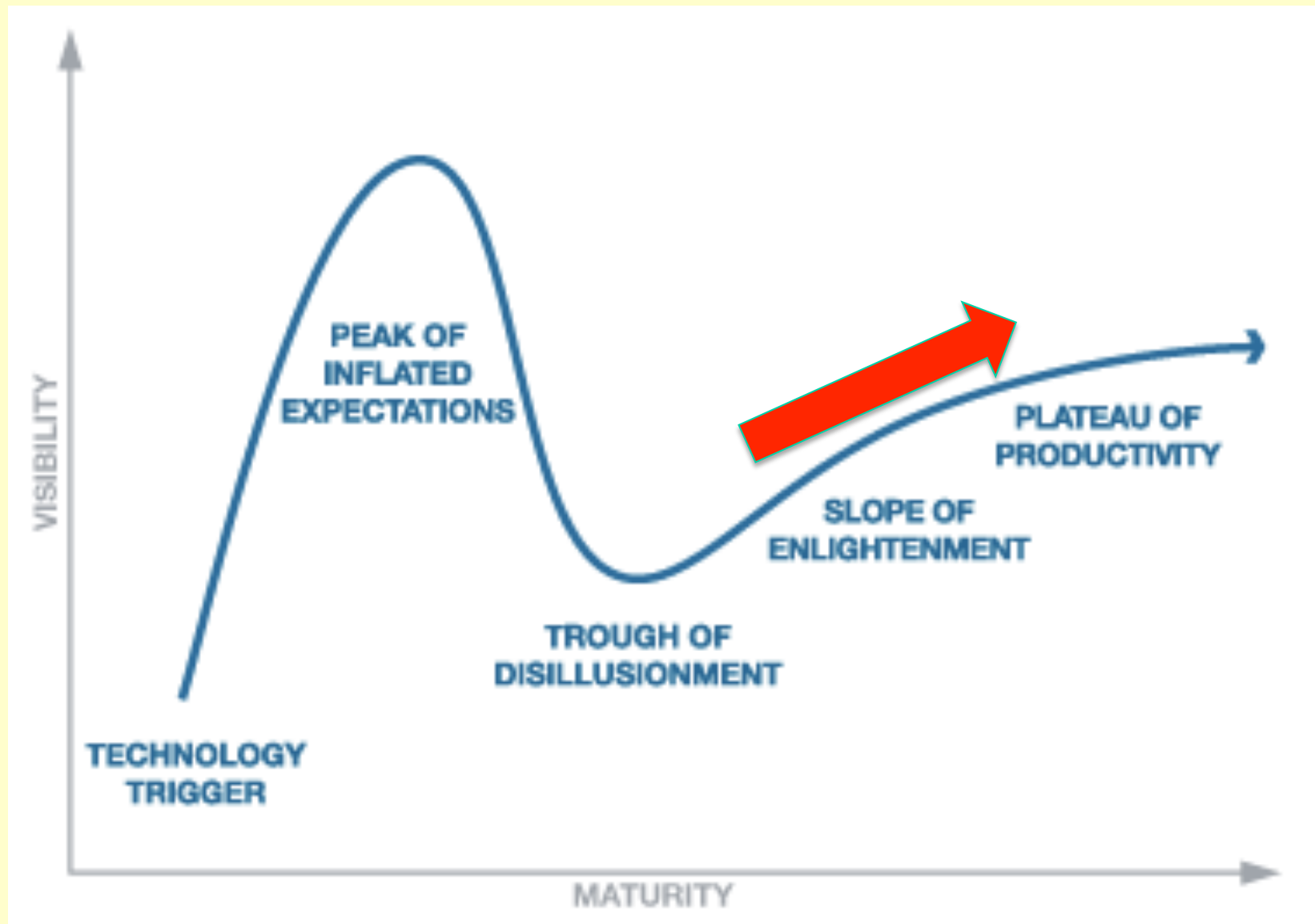
The Gartner Technology Hype Cycle



The Gartner Technology Hype Cycle

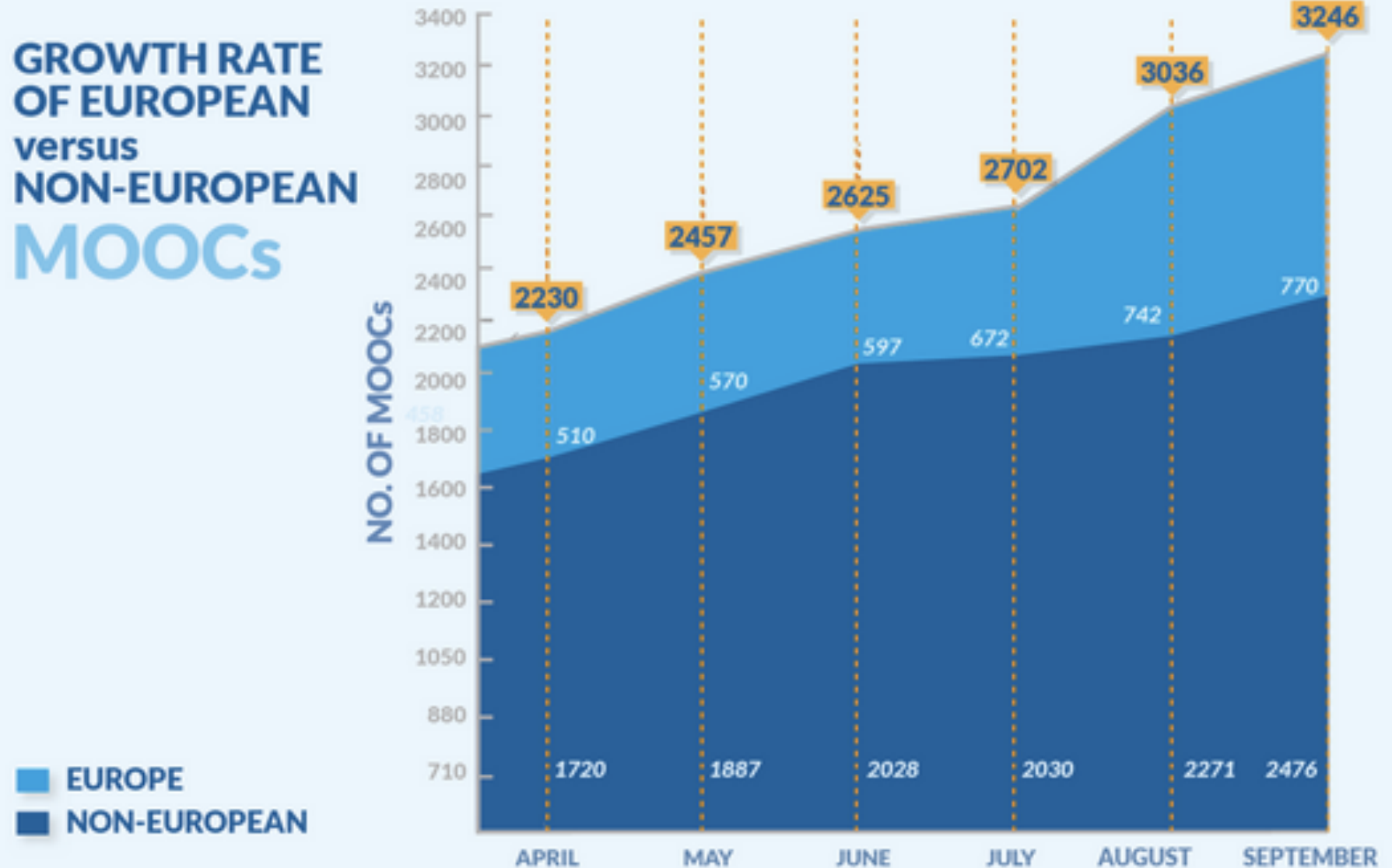


...sliding down from 2013 enthusiasm



...leading up to the legacy

GROWTH RATE OF EUROPEAN versus NON-EUROPEAN MOOCs



3,850 MOOCs are now available!

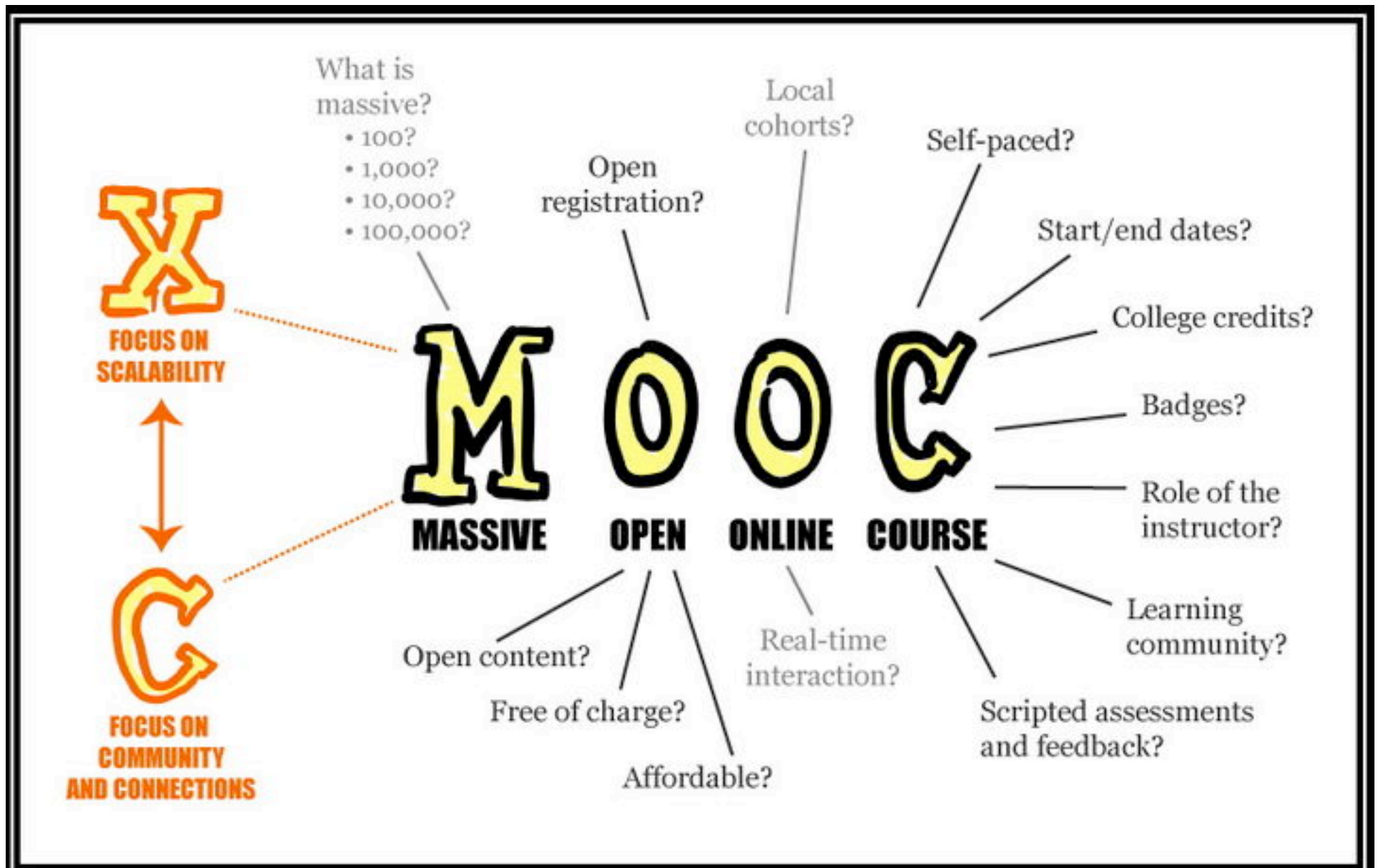


MOOC on MOOC

MASSIVE OPEN ONLINE COURSES FOR DEVELOPMENT



Offered by
The Commonwealth of Learning &
IIT Kanpur, India



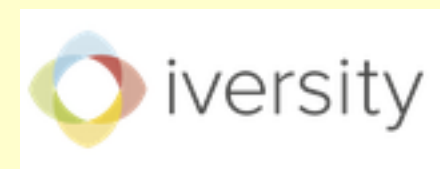
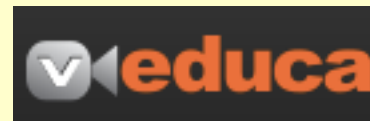
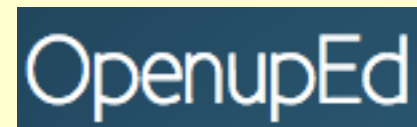
M O O C – Every letter is negotiable!

ONLINE LEARNING



PLAN

- Turbulent times, drivers of change
- Technology – the Iron Triangle
- Evolution not revolution
- Sector collaboration
- Quality assurance for our times



NPTEL

E-LEARNING COURSES FROM THE IITS & IISC



Some MOOC groupings outside North America

A stylized white graphic of a staircase with three steps, positioned to the left of the text.

**Future
Learn**

START WRITING FICTION
THE OPEN UNIVERSITY



WEEK 4: BUILDING YOUR STORY

last week



Keeping a writer's notebook

What have you written in your writer's notebook so far? Find out how other writers use theirs and how you can develop a 'notebook habit'.

Not a diligent learner!

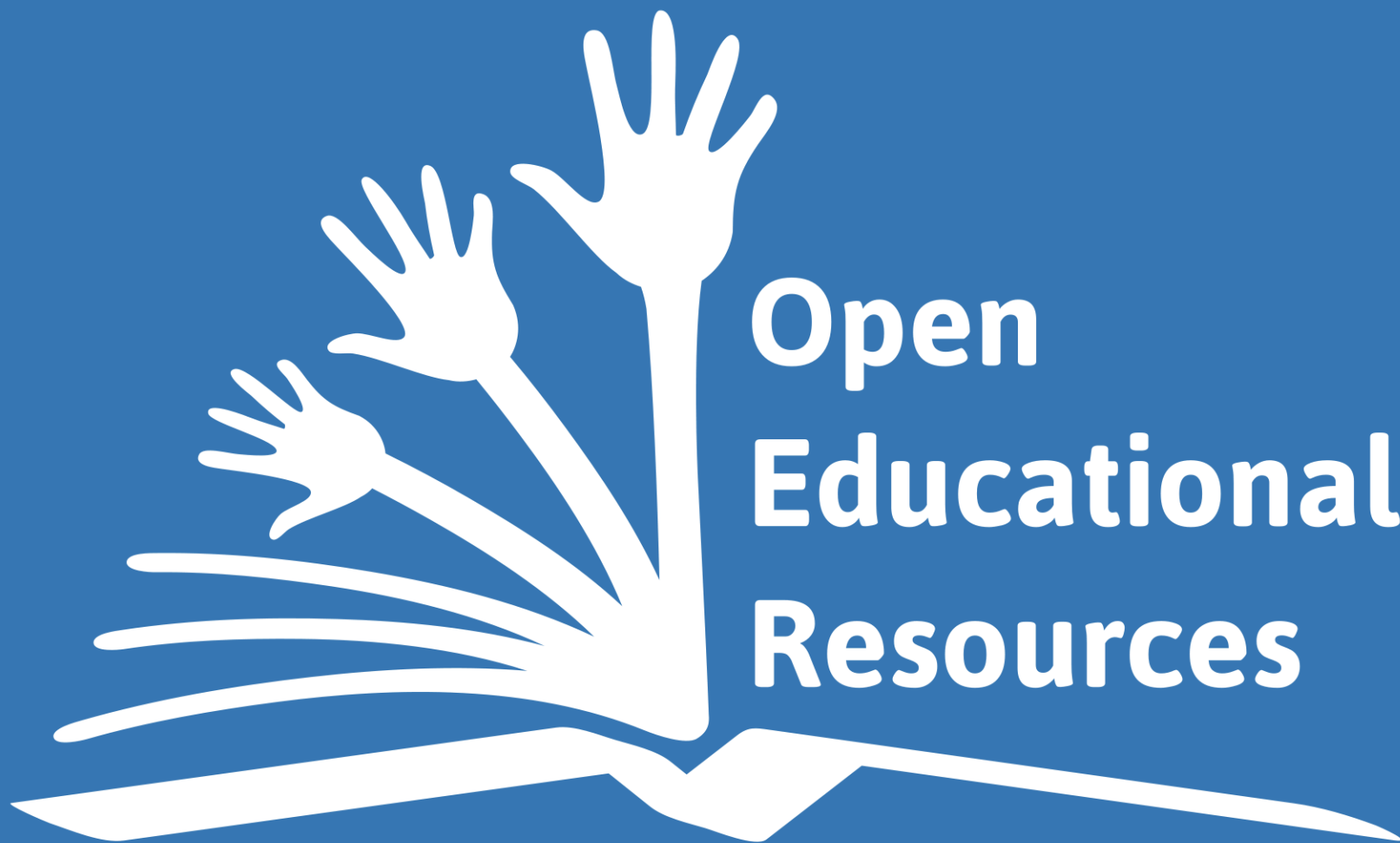
China:

couldn't access my MOOC!

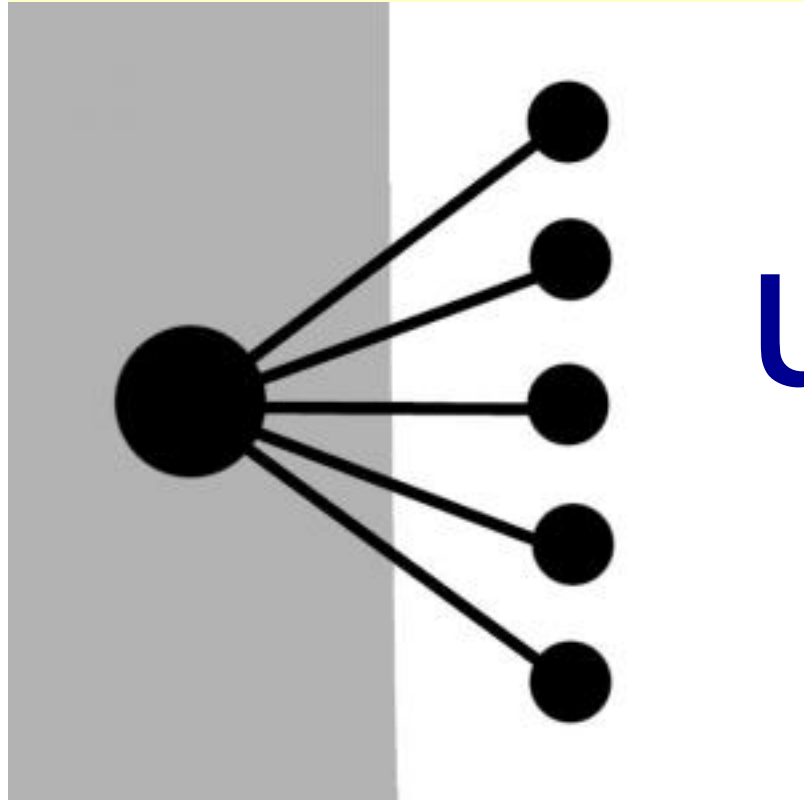


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**Open
Educational
Resources**



the
unbundling
of higher
education



ACADEMIC
PARTNERSHIPS™



Academic Partnerships Launches New Online Global
Specializations Credential

Specialization Certificates



A Specialization Certificate
can be earned on average
in four weeks.



Design and Use of Specializations

Each Specialization consists of three Specialization Certificates which can be completed in four weeks. A Specialization diploma can be earned in just 100 days.



Example of Use

University of Johannesburg MBA with a Specialization in International Business from the University of South Carolina



Host



UNIVERSITY OF
SOUTH CAROLINA

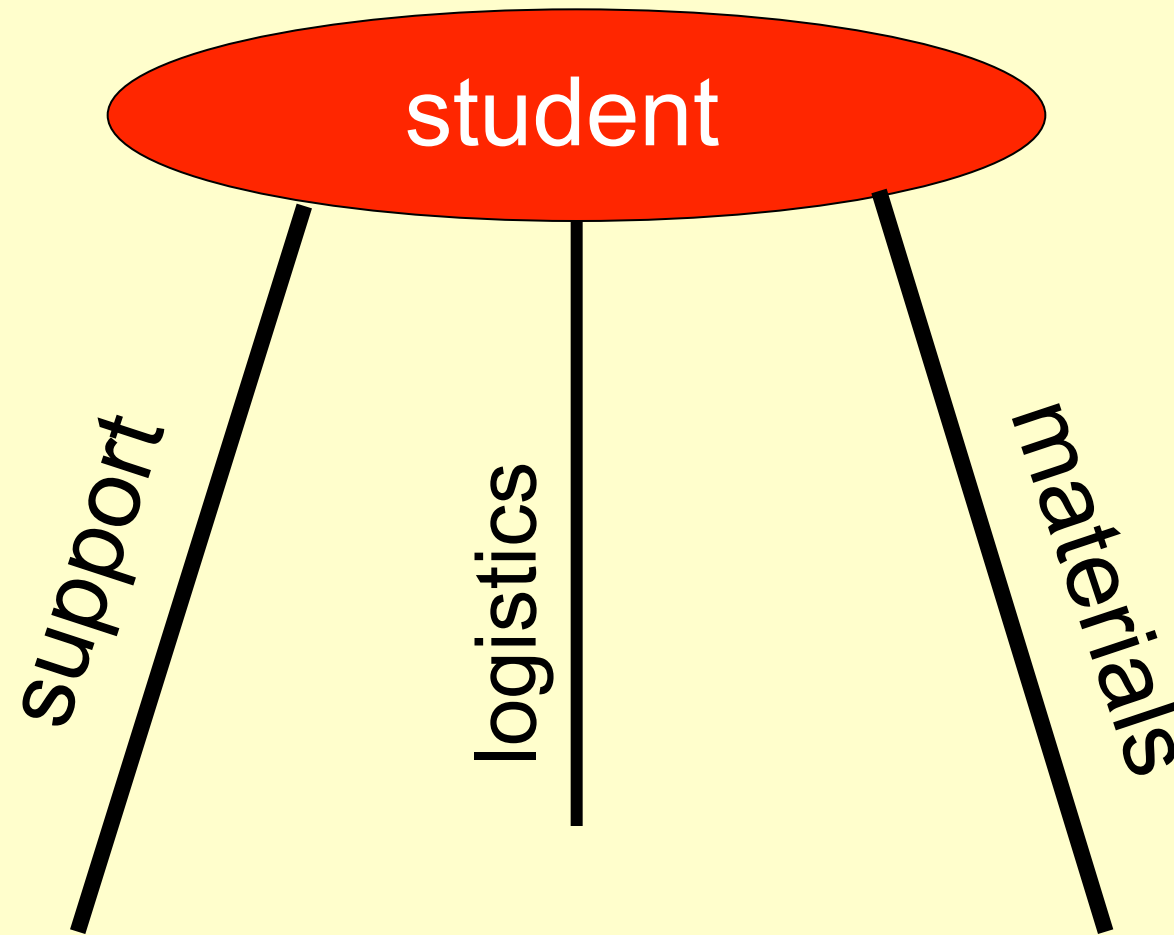
Provider



MBA Courses

Specialization in
International Business

DISTANCE LEARNING



a three-legged stool

Sector collaboration

Lessons:

- Maximise autonomy of each partner (minimise transaction costs)
- One partner takes overall responsibility for quality of student experience.

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The Open University



Cyngor Cyllido Addysg
Uwch Cymru
Higher Education Funding
Council for Wales

hefcw



Scottish Funding Council

Promoting further and higher education

**‘a single quality
assurance framework
for all institutions and
all delivery modes’**

Quality Assessment of Teaching

- Curriculum design, content and organisation
- Teaching, learning and assessment
- Student progression and achievement
- Student support and guidance
- Learning resources
- Quality management and enhancement

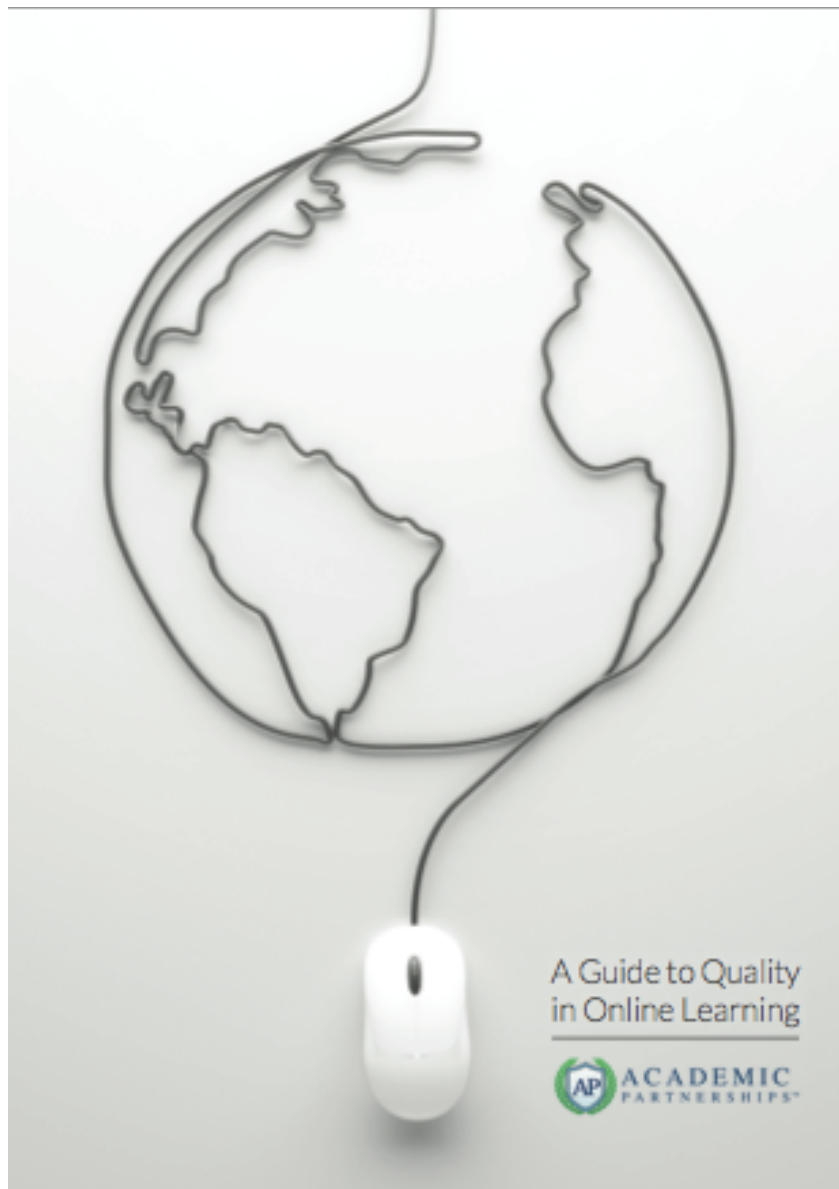
ENGLANDS TOP UNIVERSITIES

Quality Rankings of Teaching

based on all subject assessments 1995-2004
(*Sunday Times University Guide 2004*)

1	CAMBRIDGE	96%
2	LOUGHBOROUGH	95%
3=	LONDON SCHOOL OF ECONOMICS	88%
3=	YORK	88%
5	<u>THE OPEN UNIVERSITY</u>	87%
6	OXFORD	86%
7	IMPERIAL COLLEGE	82%
8	UNIVERSITY COLLEGE LONDON	77%
9	ESSEX	77%

...and OU top for student satisfaction



A Guide to Quality In Online Learning

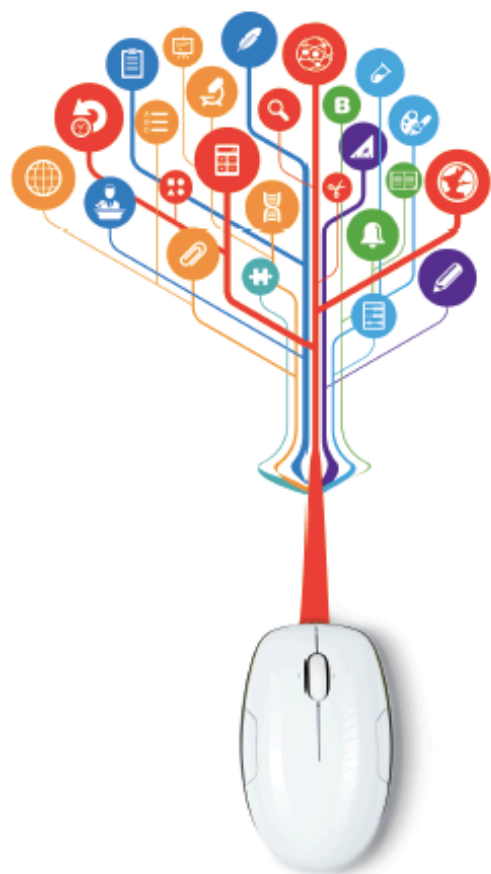
Authors:

Neil Butcher & Merridy Wilson-Strydom



Editors:

Stamenka Uvalić-Trumbić & Sir John Daniel



A Guide to Quality in Post-Traditional
Online Higher Education



A Guide to Quality in Post-Traditional Online Higher Education

Authors:

Neil Butcher & Sarah Hoosen



Editors:

Stamenka Uvalić-Trumbić & Sir John Daniel



Turbulent and Testing Times for Higher Education

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“making the
system as a
whole stronger
than the sum
of its parts”

THANK YOU!



Sir John Daniel

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