



# DeTao Talks Programme - Shanghai Library What Future for Online Learning?



Sir John Daniel  
Education Master





What Future for Online Learning?



The Internet:  
Not only shopping!



# PLAN

1. Online Learning:
  - Tradition and History
  - What does the research say?

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2. Recent developments (e.g. MOOCs)

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1. Online Learning:
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2. Recent developments (e.g. MOOCs)
3. What future? No classrooms?

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# Open and Distance Education

=

Open Education  
(remove barriers)

+

Distance Education  
(across space and time)



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

# Open and Distance Education

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Confucius: Pioneer of Open Education





中央广播电视大学

China Central Radio and TV University



中央广播电视大学

China Central Radio and TV University



国家开放大学

THE OPEN UNIVERSITY OF CHINA





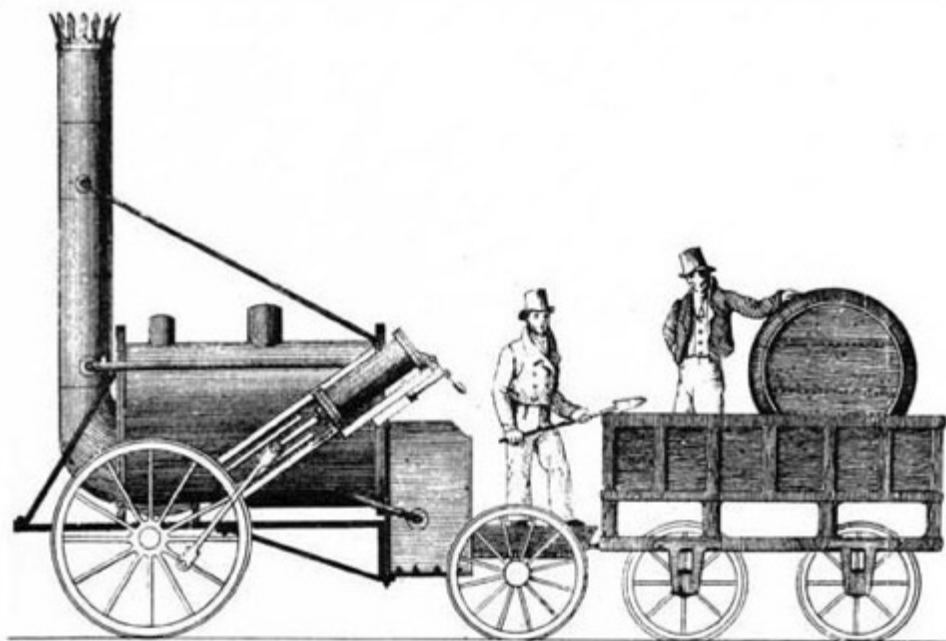
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†. Potest ut una vox capi aure plurima:      Limoni ita una scripta mille paginas.







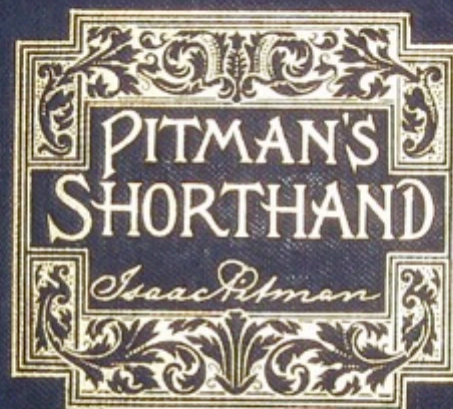


# Postal systems





# SHORT COURSE



PITMAN'S  
SHORTHAND

*Isaac Pitman*



Radio

Film



Television

Computer





# TV

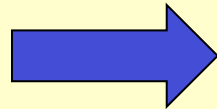




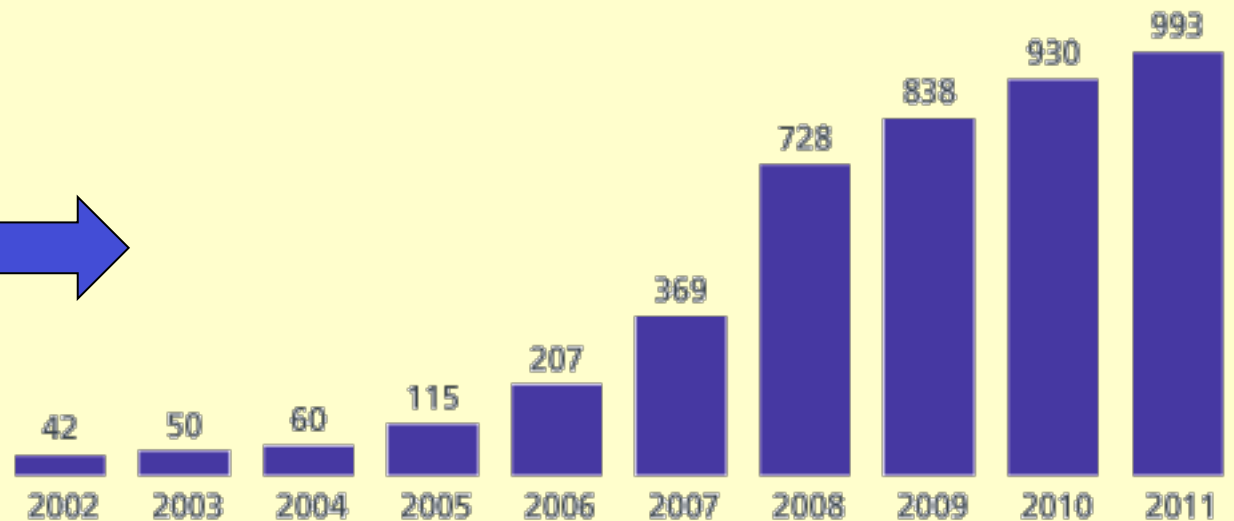
# The Internet



# Brazil



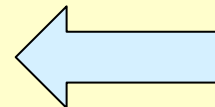
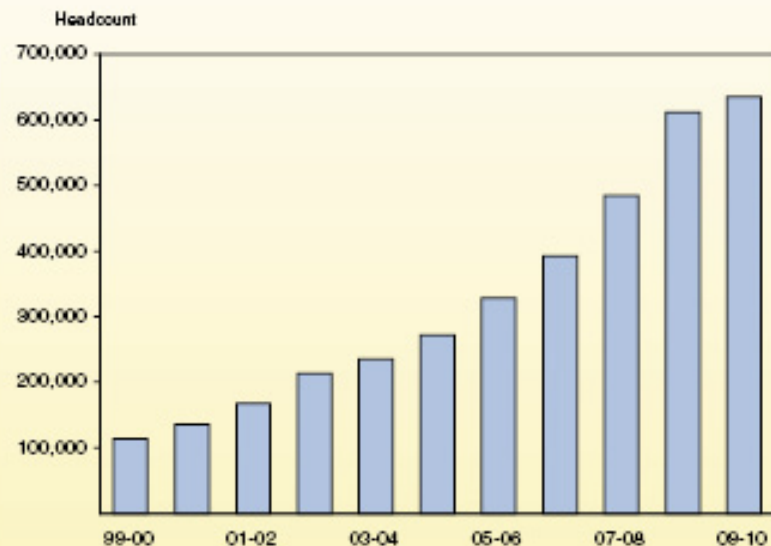
## STUDENTS ENROLLED IN HIGHER EDUCATION DISTANCE LEARNING (THOUSANDS)



Source: MEC/INEP 2011

Figure 1

**Distance Education Has Grown Significantly at  
Community Colleges Over Past Decade**



# California

# QUESTIONS

- ◆ Does distance education work?
- ◆ Do students like it?



‘...compared distance education with classroom instruction for a variety of learners by examining 232 studies published from 1985 to 2001.

‘Asynchronous distance education had a small but **significant positive effect** on student achievement.’

*Bernard et al. (2004)*

...articles published between 1996 and 2008 that focused on web-based courses where more than 25% of the instruction - but not all - was delivered online.

Students in **online learning conditions performed modestly better** than those receiving face-to-face instruction.

*(Means et al., 2013)*

‘a major reason for using blended learning approaches is to increase the amount of time that students spend engaging with the instructional materials.’



# Research in Hong Kong

- Online not popular with students
- Lack of self-discipline & self motivation
- Teacher-centred & utilitarian learning culture
- Teachers want to instruct with least effort





# Research in Canada

- High achieving students like online
- Prefer blended courses and learn better
- Older students & women like online more than younger students and men
- After one online course they take another

# SUMMARY

- Rote learning not a good environment to introduce online learning
- Students work harder in blended and online courses and engage more fully

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2. Recent developments (e.g. MOOCs)



# What is a MOOC?

Massive Open Online Course



# MOOCs began in Canada

University of  
Manitoba



*Connectivism &  
Connective Knowledge*

25 students on  
campus  
2,300 public - free



**2012**  
**Elite US universities**  
**offer MOOCs**



## Course x6002 *Circuits and Electronics*

155,000 registrations


23,000 tried first test

9,000 passed mid-term

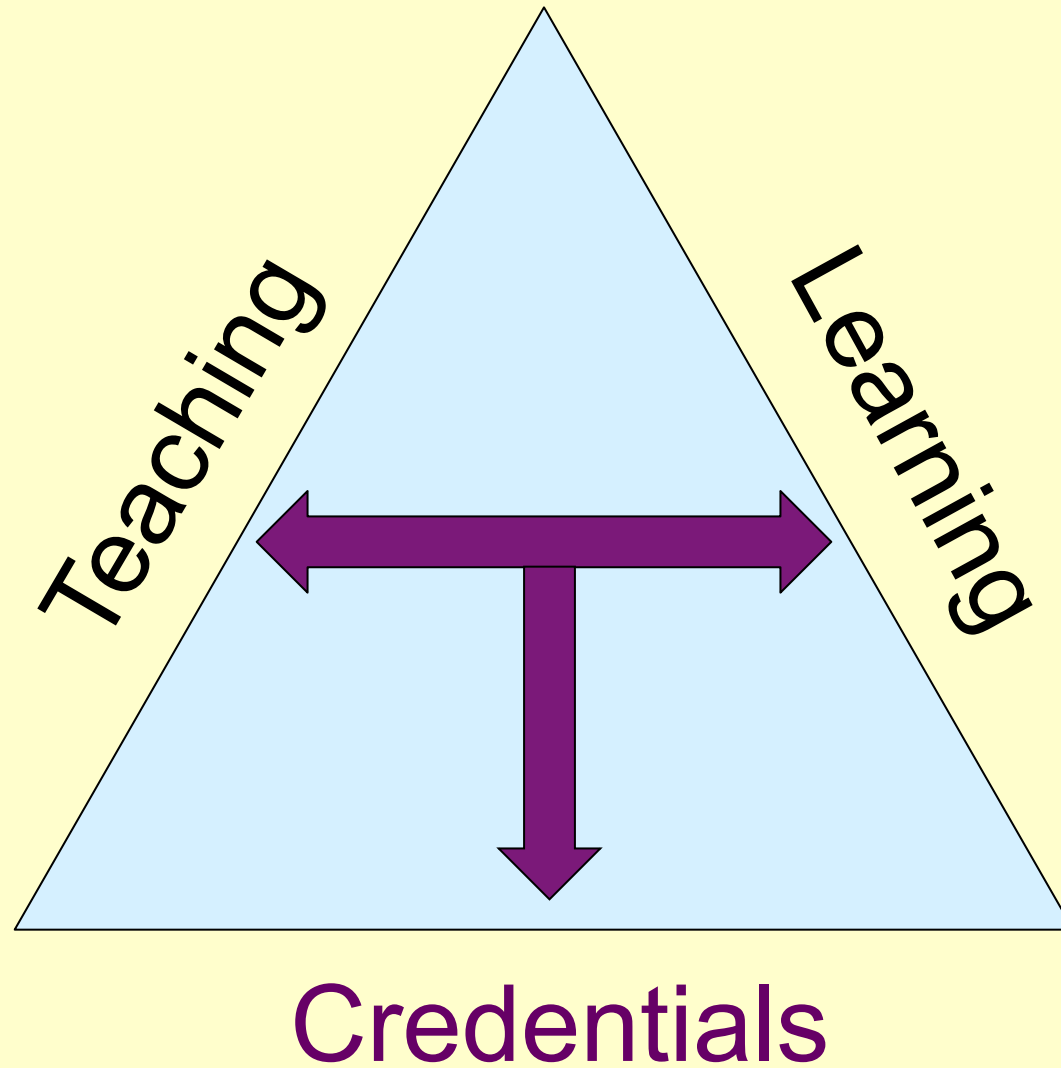
7157 passed =  $< 5\%$







Online Learning



What is higher education?



**If Harvard  
is going online  
it must be OK!**



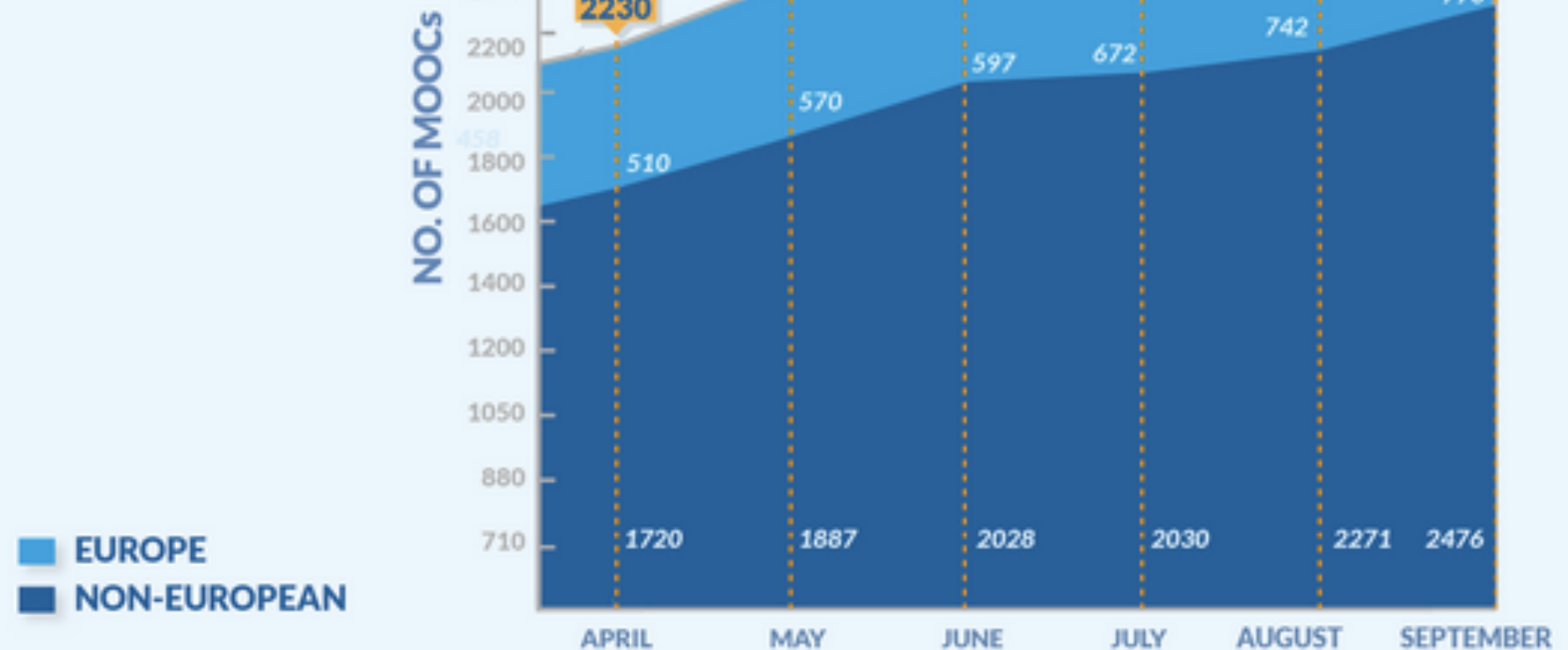




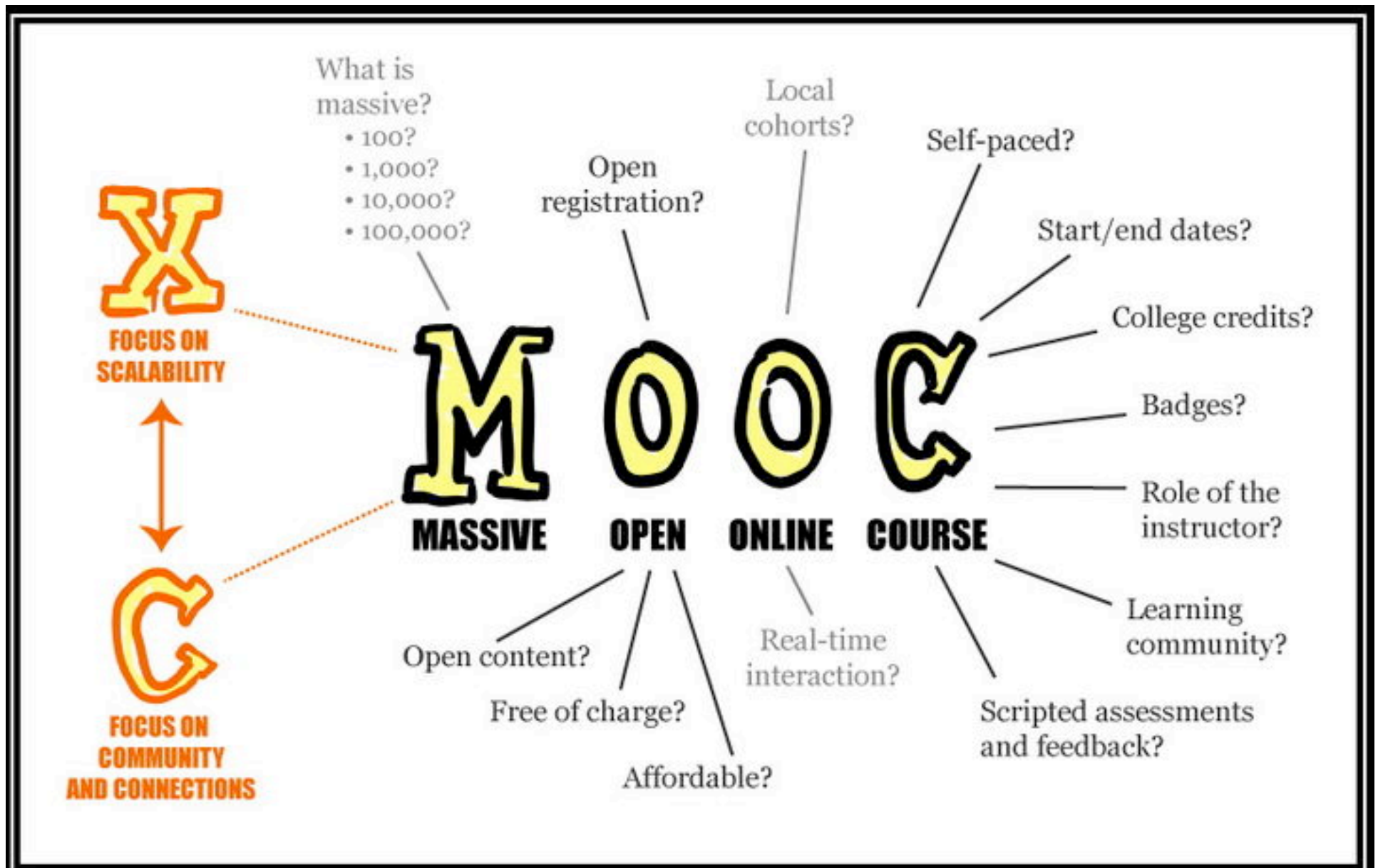
The herd instinct to MOOC!



## GROWTH RATE OF EUROPEAN versus NON-EUROPEAN MOOCs



3,850 MOOCs are now available!



M O O C – the meaning of every letter is negotiable!

FREE ONLINE COURSE

# Understanding IELTS: Techniques for English Language Tests

Improve your English and prepare for tests, such as IELTS reading, writing, speaking and listening, with this free online course.

The logo for Future Learn, featuring a white stylized staircase graphic on a pink-to-orange gradient background.

Future  
Learn

The logo for the British Council, consisting of four blue circles arranged in a 2x2 grid.

BRITISH  
COUNCIL

~ 400,000 learners

# What is a MOOC?

Massive Open Online Course

Weaknesses:

- No credits or credentials







## My MOOCs

- The Mind is Flat (Warwick University)
- Talk the Talk (Open University)
- Start Writing Fiction (Open University)
- Challenging Wealth and Income Inequality (Open University)
- Childhood in the Digital Age (Open University)
- What is a Mind? (University of Cape Town)
- Empire: The Controversies of British Imperialism (Exeter University)
- Logical and Critical Thinking (University of Auckland)

# What is a MOOC?

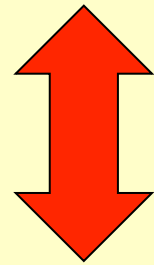
Massive Open Online Course

## Weaknesses:

- No credits
- No clear business model

# The Answer

CREDITS



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ANADOLU

Operating at  
scale

VIRTUAL UNIVERSITY  
VIRTUELLE AFRICAINE  
DE VIRTUAL AFRICANA

گاہ پیام نور



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



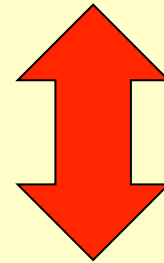
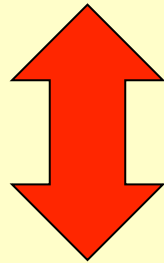
Athabasca  
University



The Open University

# Convergence

MOOCs



**Regular online courses**





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# MOOC on MOOC

MASSIVE OPEN ONLINE COURSES FOR DEVELOPMENT



# MOOC on MOOC

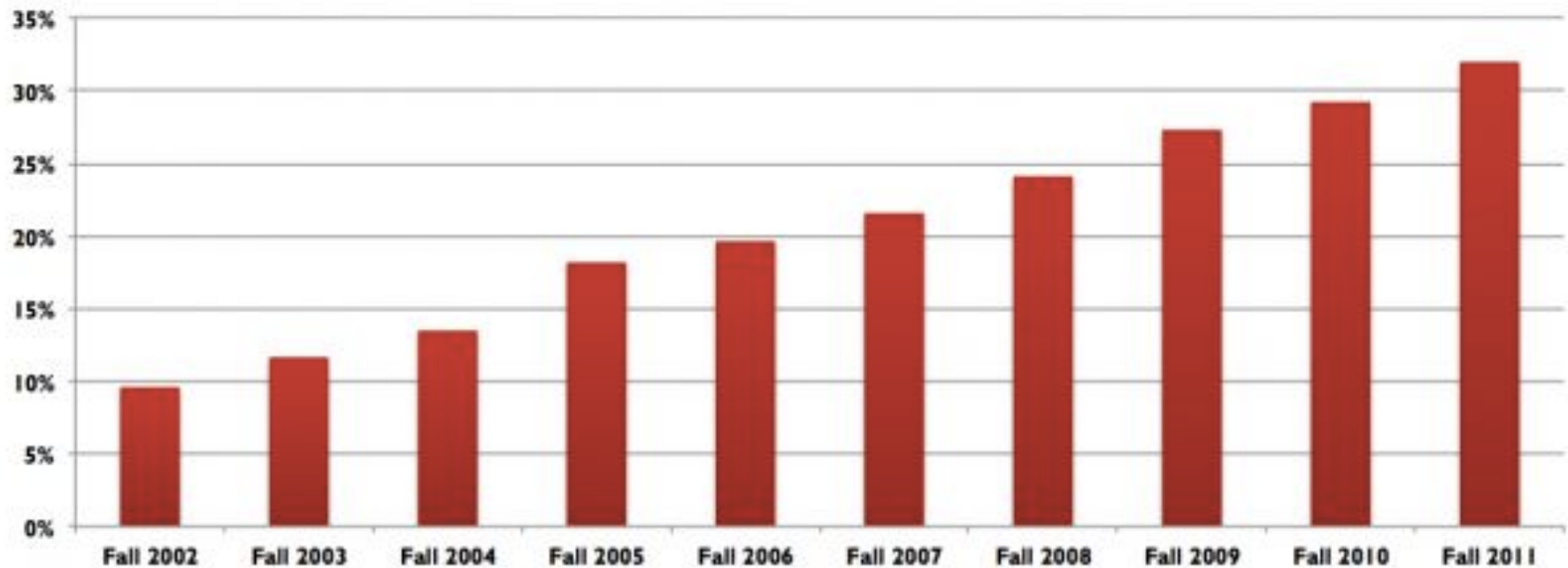
Massive Open Online Courses  
for Development

# **MOOC for Capacity Building in Indian Agriculture: Opportunities and Challenges**

**20 courses planned**  
with proctored exams in 100 centres  
for a \$20 fee

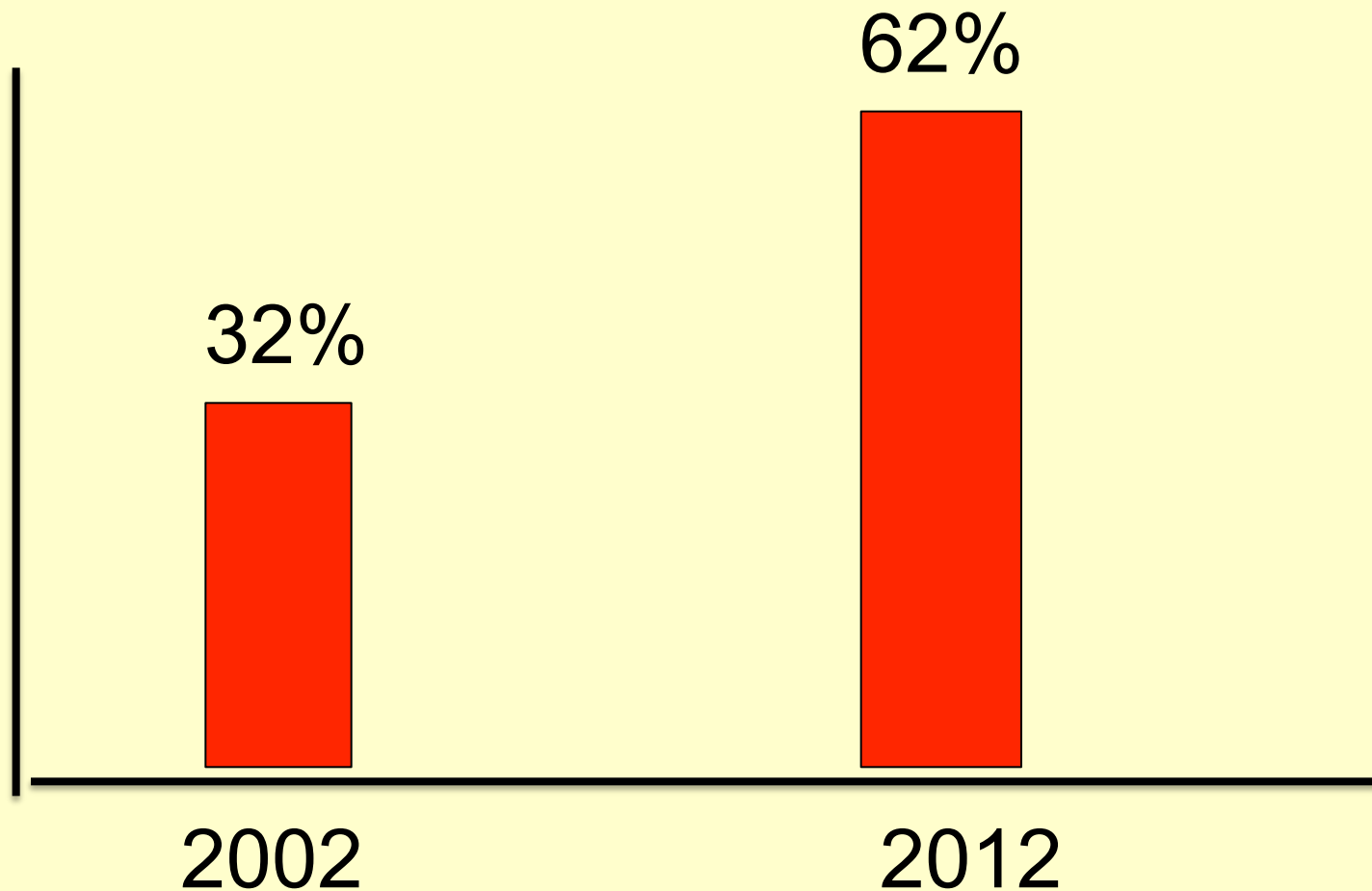


**Online Enrollment as a Percent of Total Enrollment: Fall 2002 - Fall 2011**

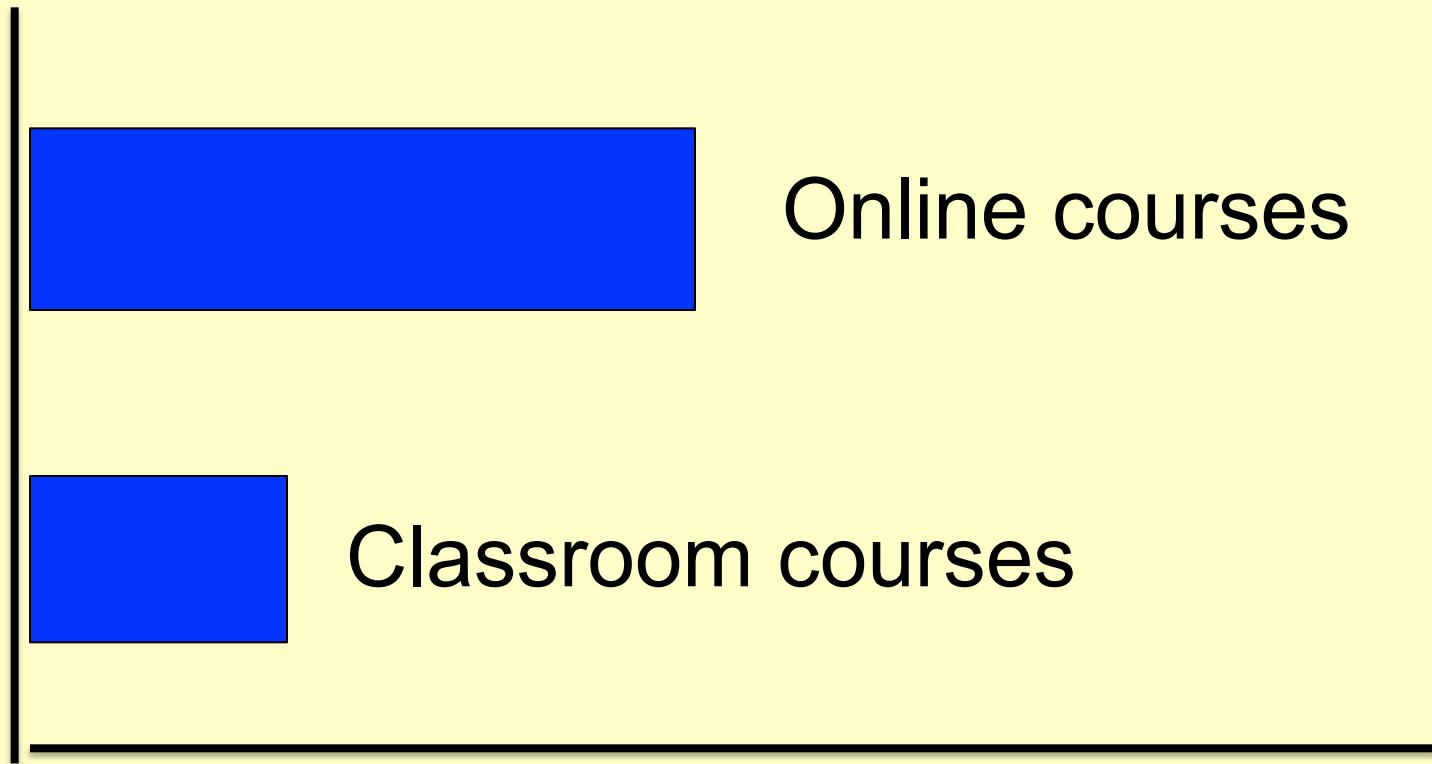


From *Inside Higher Ed* - USA

% of US universities offering a programme(s)  
that can be studied entirely online



# Enrolment growth in US universities





## University Leaders

70% say online learning is an important strategy for their institution.



## Academic staff (Faculty)

“only 28% accept the value and legitimacy of online teaching”

# Online Learning – a mixed picture

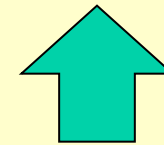
- Students like online learning
- Research shows it is better
- Online learning is expanding
- MOOCs have given online publicity
- Academic staff doubt its value



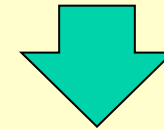


## Students

“like online learning  
and perform better”



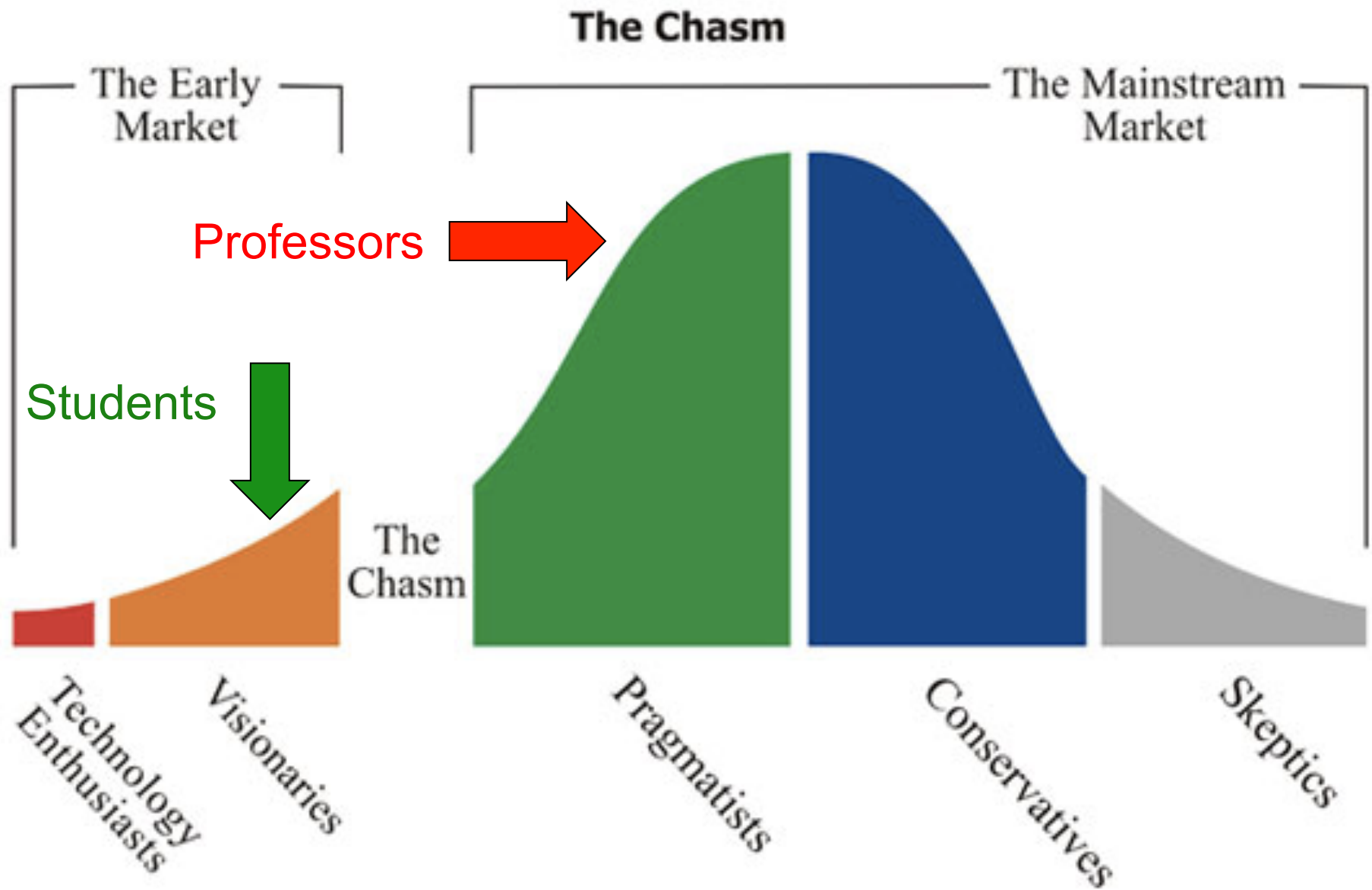
**PARADOX**



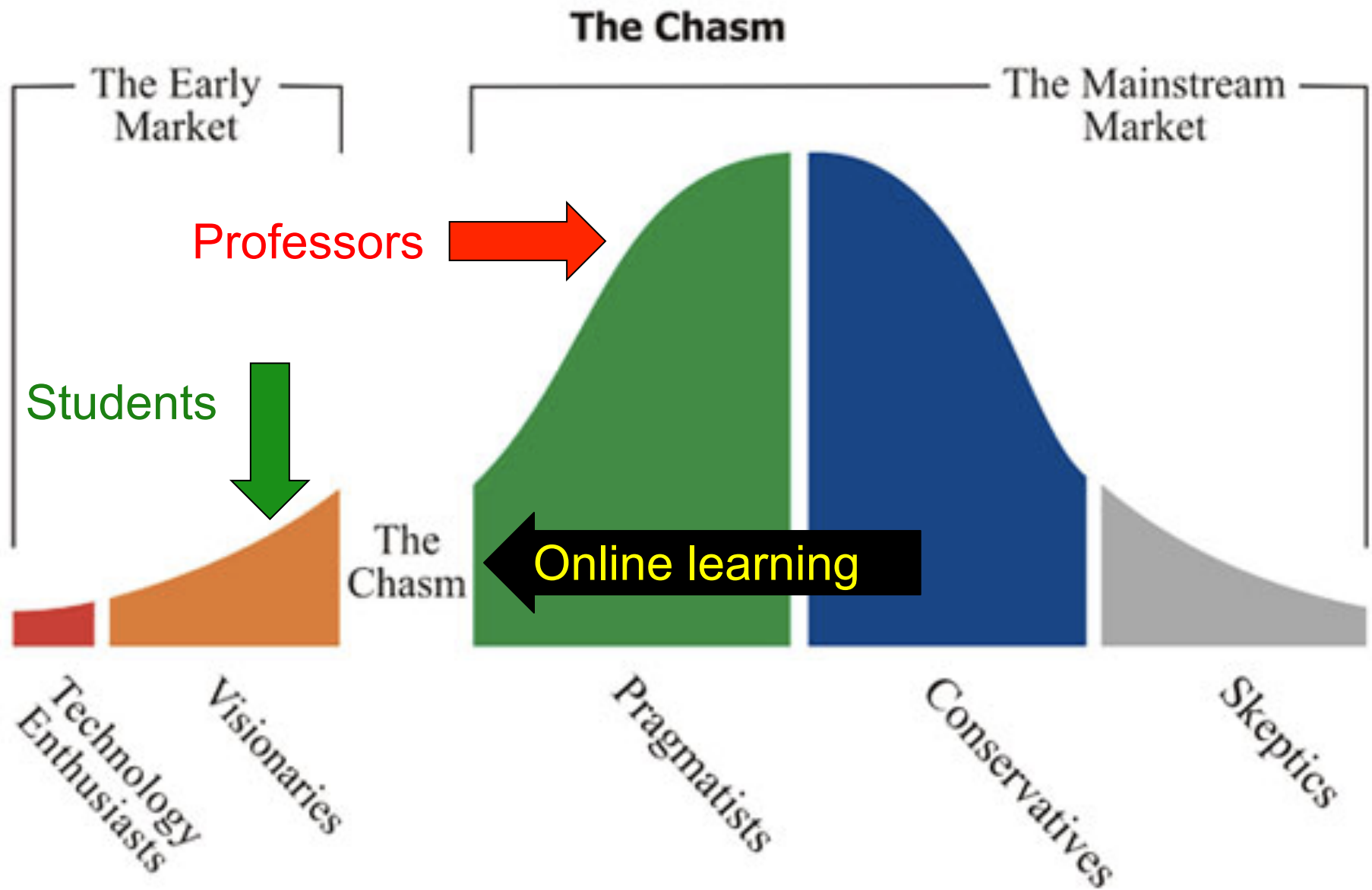
Academic staff  
(Faculty)



“only 28% accept the  
value and legitimacy  
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Moore's Technology Adoption Cycle



Moore's Technology Adoption Cycle



How will online learning develop in China?

# 德稻演講

DETAO TALKS





**DE TAO**  
**GROUP**

德  
稻



Is preparing to offer online  
courses to universities in  
China and abroad



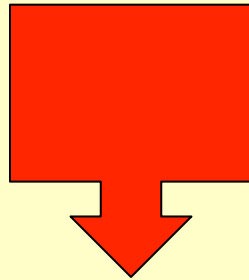
Professor Yan Jin

*Design Theory and Methodology*

# O2O

## Online to Onsite

### DeTao Online Course



offered in  
selected Chinese universities

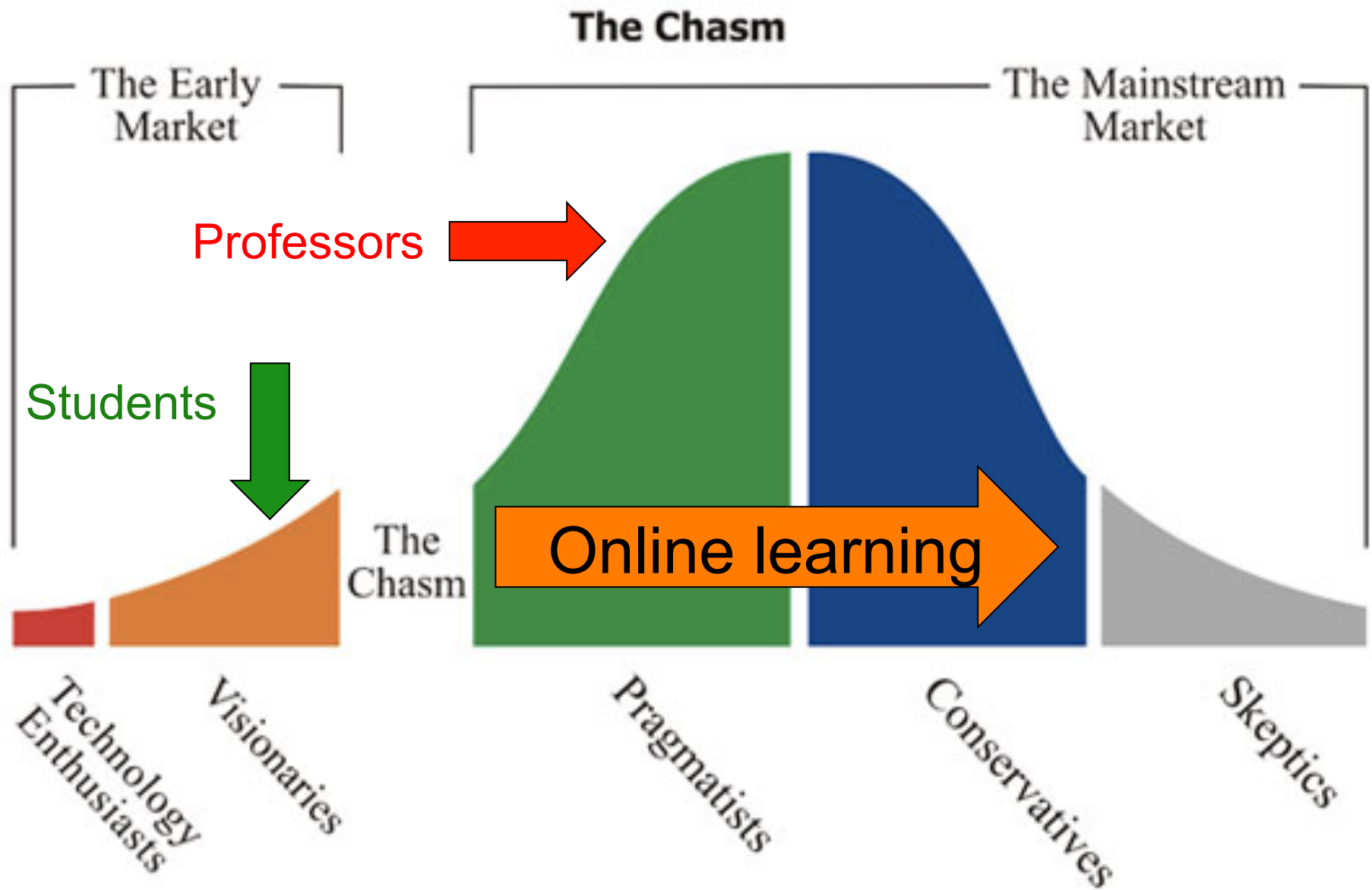
Receiving  
universities adapt  
the DeTao O+O  
courses to their  
own teaching  
needs



University teachers  
must learn how to  
teach online







Moore's Technology Adoption Cycle



谢谢你

德稻演讲

DETAO TALKS

THANK YOU

Sir John Daniel

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For text & slides: [www.sirjohn.ca](http://www.sirjohn.ca)