

# The Future Isn't What It Used To Be

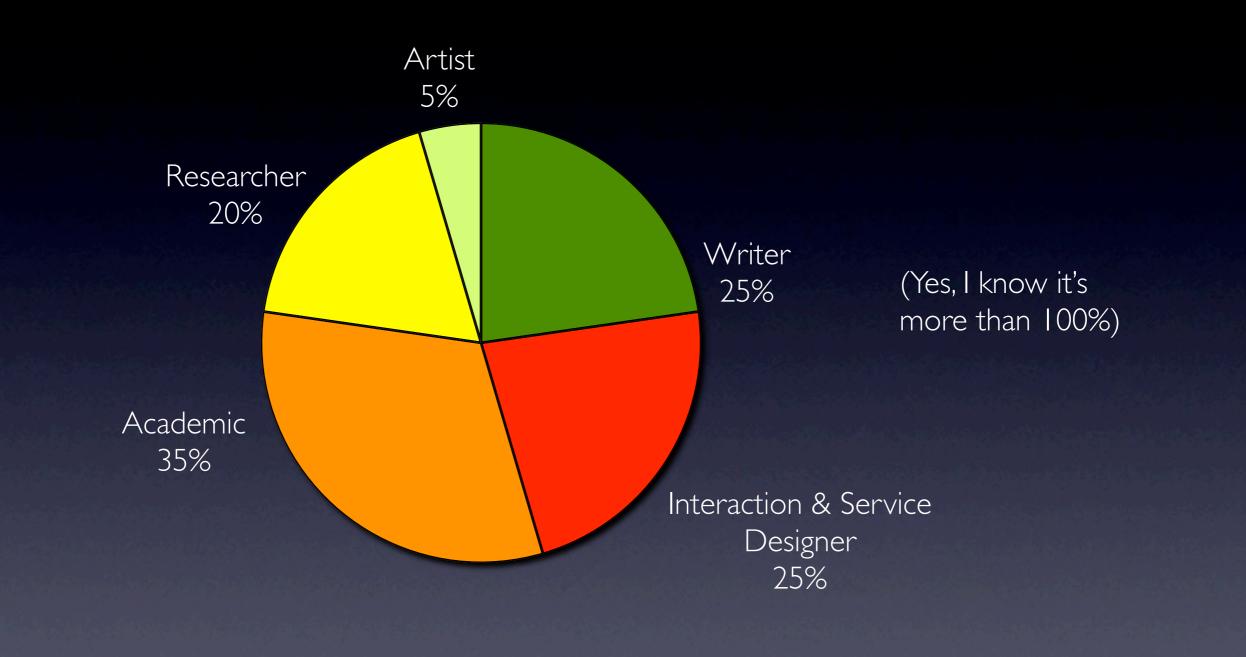
## Emerging trends and their implications for Higher Education

ANDY POLAINE

Omnium Research Group College of Fine Arts, UNSW

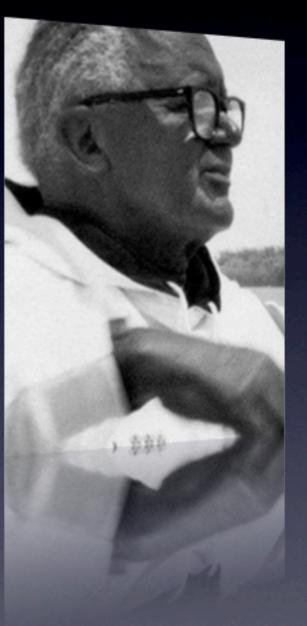
Northumbria University Associate Deans Day

# Who am I? (This is the only pie chart, I promise)









### Design, Form and Chaos (1987)

"... design is a personal activity that springs from the creative impulse of an individual."







### Design, Form and Chaos (1987)

"... design is a personal activity that springs from the creative impulse of an individual."

"... group design can actually hinder the creative process by depriving the designer of the distinct pleasure of personal accomplishment and self-realisation."

- Paul Rand





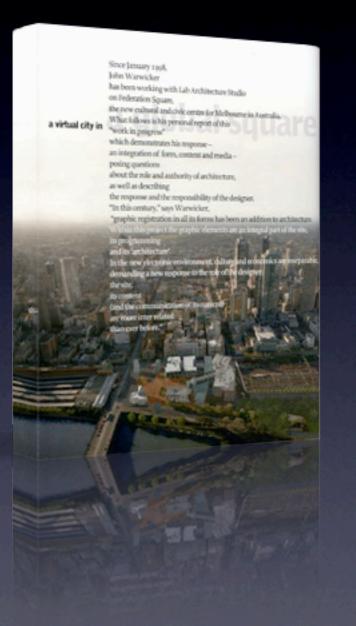


### A Virtual City in a Global Square (1999)

"Politics, economies and society have changed ... we are now in a new period of connectivity, relativity and pluralism ... there is a changed sense of the individual, with increased ease in interaction, and the value of individuality is now seen within a collaborative context"







### A Virtual City in a Global Square (1999)

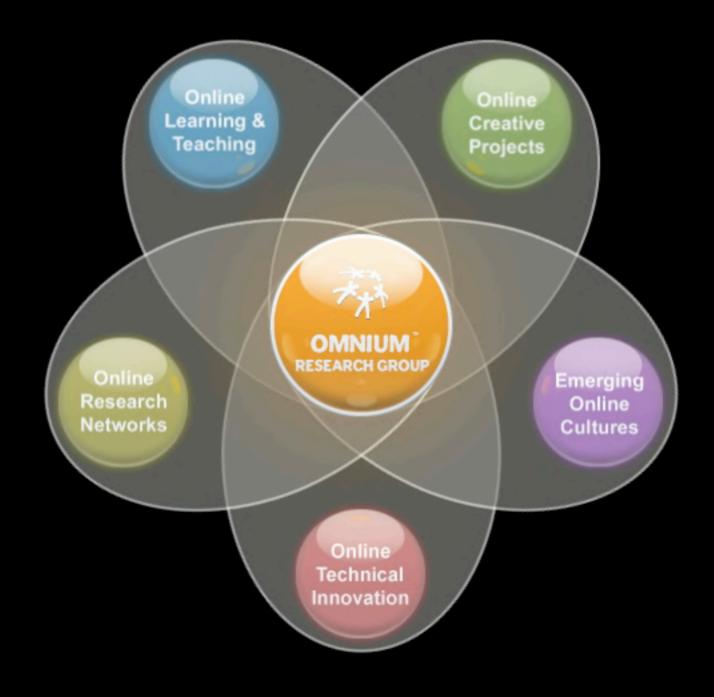
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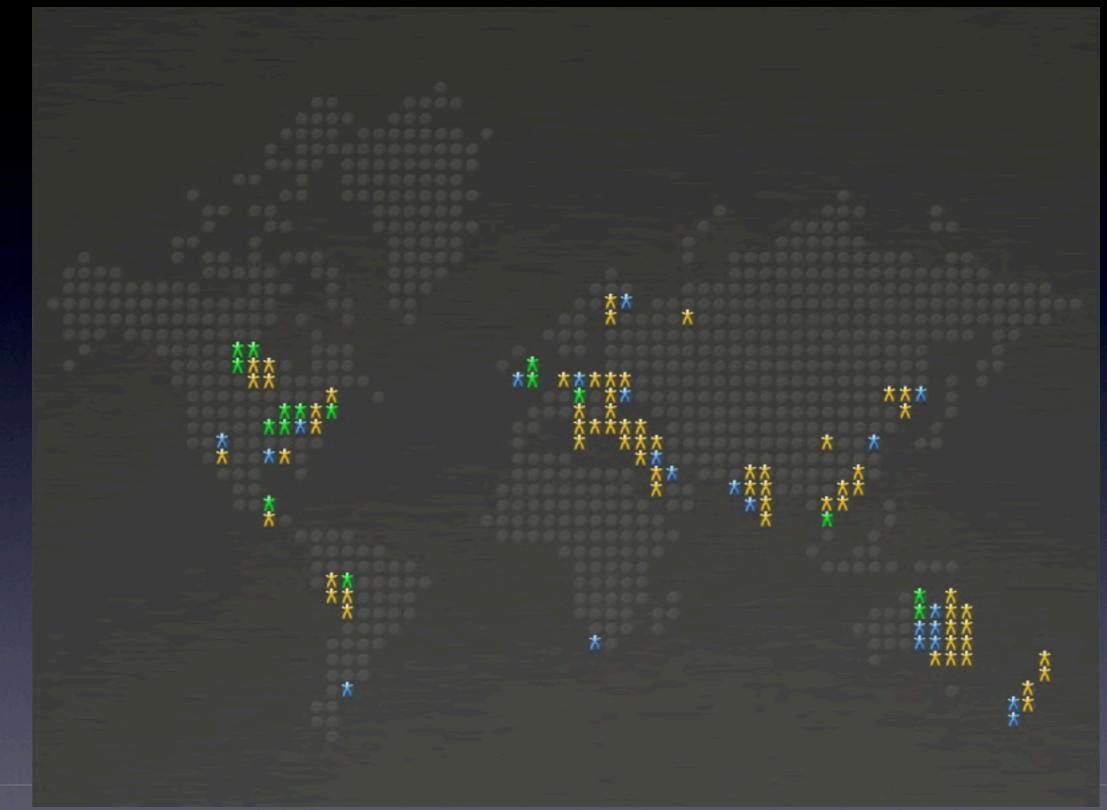
"... New technology is not about replacement but addition: hence the increasing complexity."

- John Warwicker



























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creative waves 3003 INTERNATIONAL ONLINE STUDENT DESIGN PROJECT	
Creative Waves 2005	
Creative Waves 2005	





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Creative Waves 2007	
Creative Waves 2007	



















# A OMNIUM OUTREACH PROJECTS

### Project Timor Leste



### Project Sri Lanka



**Project Phillipines** 









The [re]frame concept focuses on the detailed and intricate nature of existing traditional Filipino embroidery techniques, by framing off small sections of work and placing them in an entirely new and contemporary context - in this instance, that of a major installation titled: [re]frame: manila for the foyer of DLS-CSB's School of Design and Art in Malate.

### [re]frame & manila

[re]frame - manila is a non-profit design project aimed at assisting a women's embroidery association located in and around the town of Lumban, in the province of Laguna. The installation intends to help open up new commercial opportunities for local artisans, while still staying true to their Filipino traditions, culture and heritage.

### [re]frame & futures

The installation aims to be the first in a series of what will hopefully become future commissions for other contexts. These may include commercial locations such as: hotels; cafes and bars; corporate buildings and offices; museums/galleries, etc., as well as additional education institutions and faculties.

www.omnium.net.au/oop











### [re]frame & manila

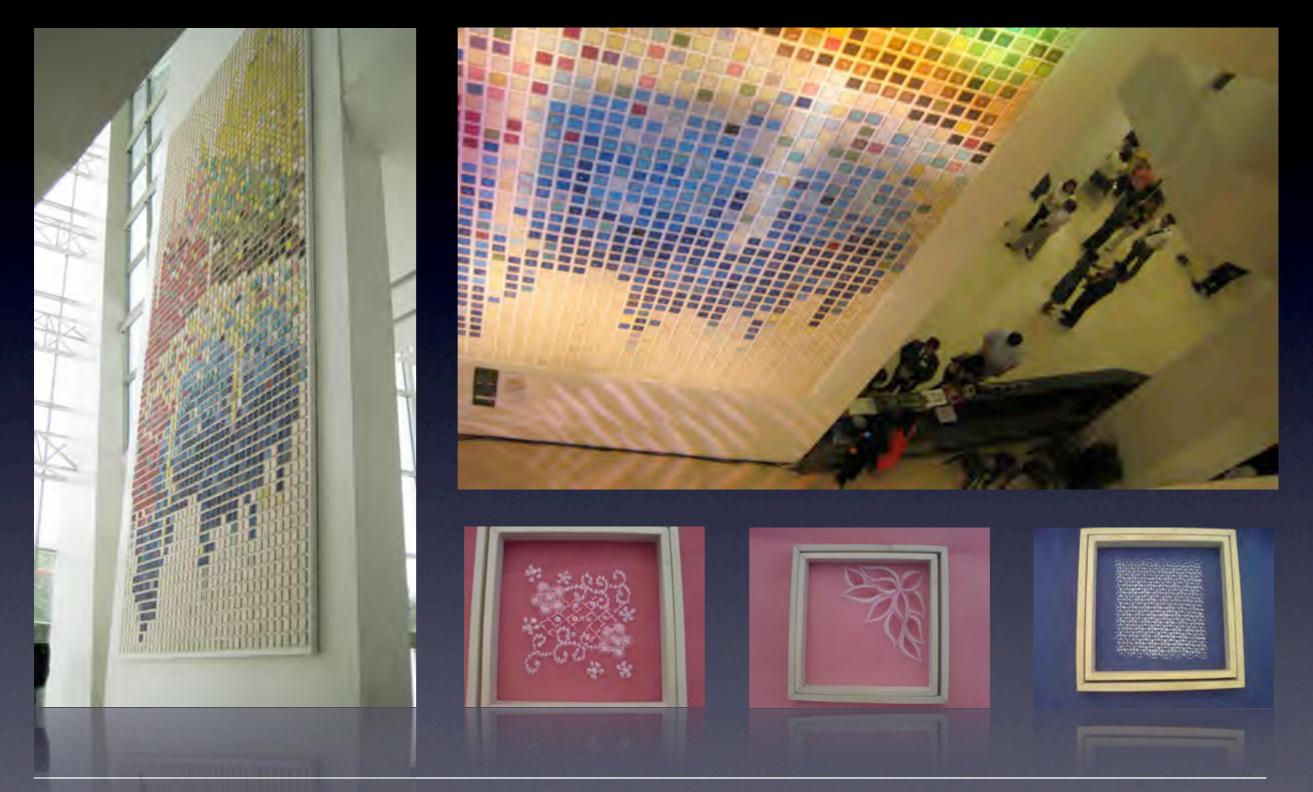
Designed to nurture and support traditional techniques of Filipino embroiderers, while at the same time bringing their practice into modern and sustainable contexts.

produced as a community outreach collaboration between:

 De La Salle - College of Saint-Benilde (Manila, Philippines)
 Pinagkaisang Magbuburda ng Lumban (Lumban, Philippines)
 The Omnium Research Group, UNSW (Sydney, Australia)

















Pharmacy and graphic design students working together to raise public awareness of critical health issues in Kenya, Africa

Creative waves<sup>©</sup> 2007

### http://creativewaves.omnium.net.au/vip/

http://creativewaves.omnium.net.au/vip/

TERNATIONAL ONLINE STUDENT DESIGN FROM











107 Participants22 Countries

61 Students35 Colleges

22 Teachers/Mentors21 Special Guests











200+ Participants30+ Countries

120+ Students60+ Colleges

80+ Teachers/Mentors 20+ Special Guests









Australian and Chinese design students working together online to establish new ways of producing sustainable graphic design across cultural boundaries.

Creative waves 2008







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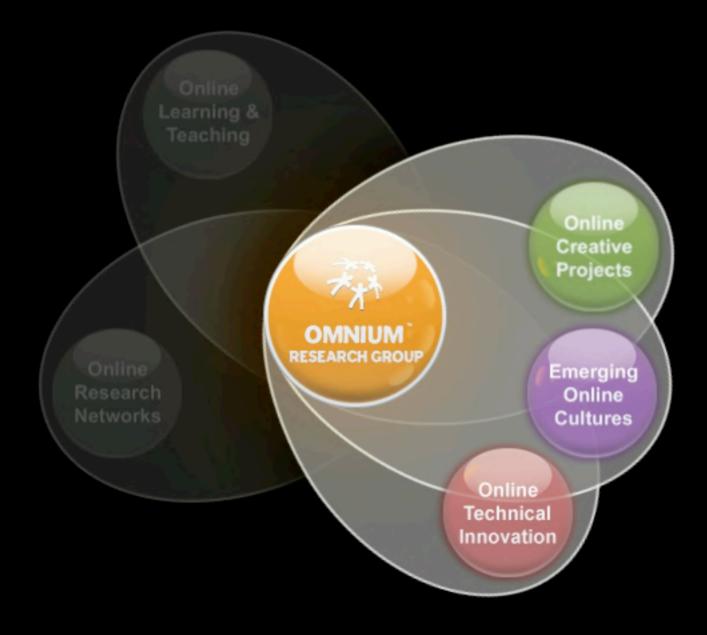


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My Profile 我的档案 Students 学生	Steffi Lo				🔛 Australia	Bachelor of Design	
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	Zhou Wu				China		



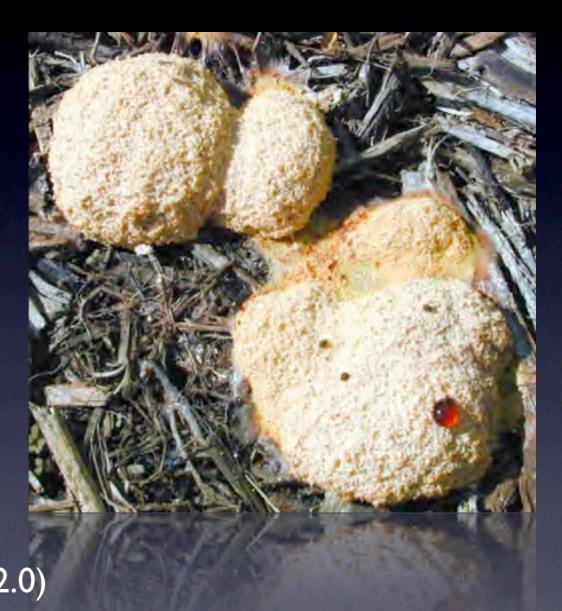


# www.omnium.net.au



## Slime Moulds and Suburbs

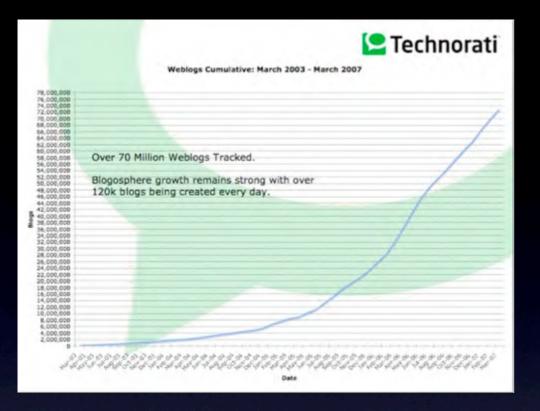


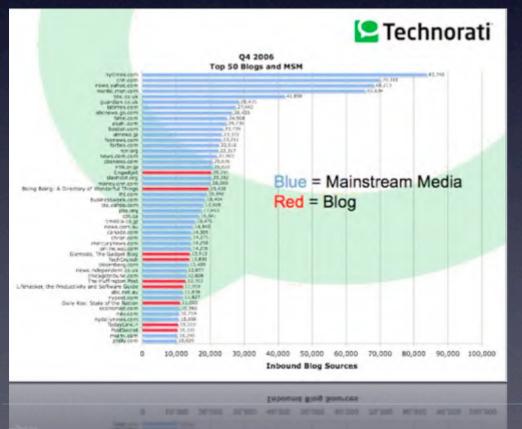


# Changing Culture = Changing Educational Needs

- Collaboration and Open Source Projects
- Pro-Am revolution
- The Long Tail
- Social Networks and Communities
- Organisational Change
- Collective Action and Sustainability
- Open, public conversations online
- Creative Economy & Lifelong Learning







# The Network Society

There are 72+ million blogs in the world.
The Blogosphere is 100 times bigger than just three years ago.
YouTube serves over 100 million videos per day.
Wikipedia is more popular than many major news sources.

Online changes affect the physical world:

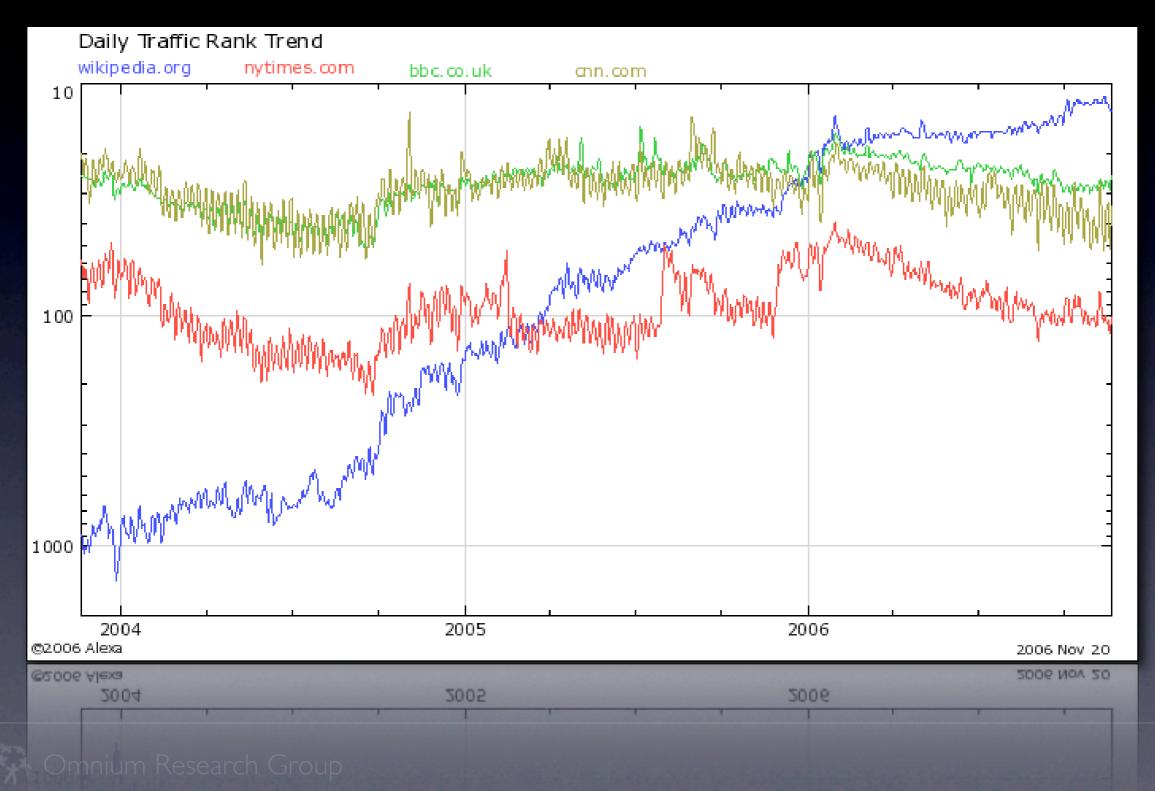
The Jubilee Debt campaign helped force US\$36 billion of debt to be cancelled.

Think of eBay, Amazon.com, politics, banking, commerce, etc.

Many 'real things' have changed as a result of online 'network thinking'.

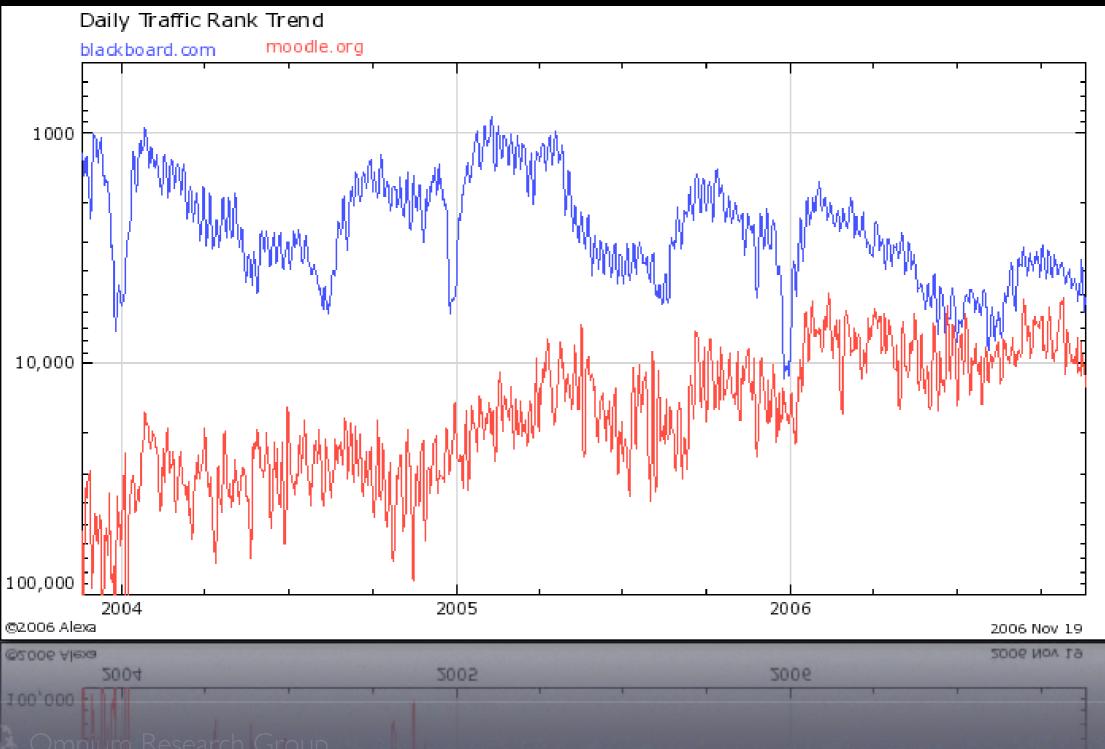
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# The Rise of Wikipedia



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# Open Source eLearning Software



UNS

A disconnect exists between young people and the organisational cultures they encounter in the workplace ...



### Working Progress

How to reconnect young people and organisations

Sarah Gillinson Duncan O'Leary

Duncan O'Leary

# Organisational Change

What employers want from graduates is mostly not what we're teaching them.

A survey of FTSE200 company HR directors showed desired skills were:

- Communications/communicating ideas
- Problem-solving
- Team-working
- Creativity and Innovation

(Gillingson, & O'Leary, 2006, p. 38)



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Working Progress How to reconnect young people and organisations

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# Organisational Change

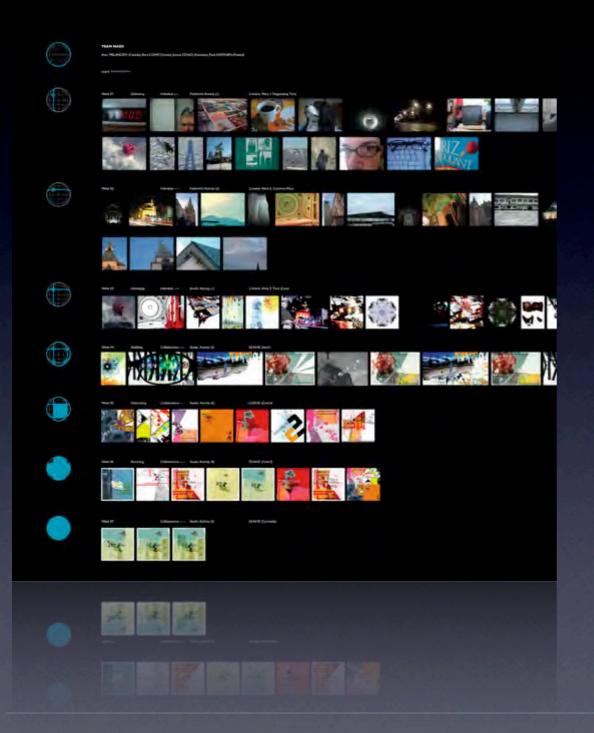
"If innovation flourishes within and across teams, then we need to be able to work within them.

If the formalities of hierarchy are being overlaid with social networks inside organisations, then we need to negotiate our way through them."

(Gillingson, & O'Leary, 2006, p. 40)



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# Process vs Knowledge

The way in which students learn is often more important than what they learn.

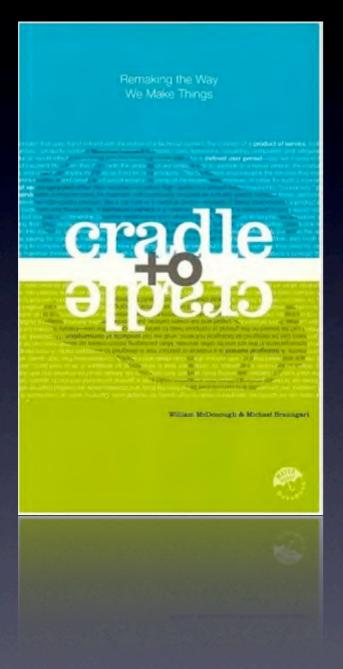
Knowledge and information are now easy to come by - knowing what to do with them, how to communicate and how to connect the pieces is the hard part.

Social networking and online creative collaboration teach precisely these skills:

- Communications/communicating ideas
- Problem-solving
- Team-working
- Creativity and Innovation

They also teach good citizenship - the whole is greater than the sum of the parts - an essential skill for the future.

## Public Funding is the Fossil Fuel of Education



#### Cradle to Cradle (2002)

Efficiency soon hits walls. We need effectiveness instead.

"The marvellous thing about effective systems is that one wants more of them, not less."

"What would have happened, we sometimes wonder, if the Industrial Revolution had taken place in societies that emphasize the community over the individual, and where people believed not in a cradle-to-grave life cycle but in reincarnation?"

- William McDonough & Michael Braungart



#### Public Funding is the Fossil Fuel of Education

# ₽LŶY ETHIC

PAT KANE

A MANIFESTO FOR A DIFFEMENT WAY OF LIVING

#### The Play Ethic (2004)

"For the culture of industrialism, in which an individual's submission to routine is what is most valued, a network society is something of a disaster. The industrial mindset is too brittle to cope with the way that networks operate."

- Pat Kane

#### Private institutions seem well-placed for the future



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Empowering Tomorrow's Creative Professionals for the Global Economy Raffles University

Raffles University is central to the very successful development of high quality relevant education through the Raffles Education Corporation (REC). REC has many years of experience of offering strong academic and professional programmes within Raffles Design Institute, Raffles College of Design and Commerce, Raffles Education Corp College, Raffles School of Psychology and Raffles School of InfoComm.

Raffles University extends this by offering a range of undergraduate and postgraduate programmes, initially in **Design** and **Business**. The University's programmes will be delivered through REC's already extensive network of Colleges in South East Asia, China, India and Australasia.

The University operates as a self-accredited institution. Its quality assurance systems and academic standards are attested by a rigorous internal QA system, drawing upon external expertise from a number of established international universities. REC already has many years of experience of working with university partners in the UK and Australia and of operating successfully within different quality assurance systems in those countries. Oversight of the University's standards is undertaken through an Academic Advisory Council which includes experienced senior academics from the UK, Australia, the US, China, Hong Kong, and Singapore.

Raffles University works in partnership with a number of well known international universities within a major international education network that offers its students a wide range of opportunities to study either locally or through a combination of local and international study. This network supports the University's commitment and determination to offer first class professionally relevant education programmes that equip its students to compete successfully within a global economy.

At the heart of all the University'sis a philosophy of offering curricula and student experiences that encourage the development of creativity and

At the heart of all the University'sis a philosophy of ottering curricule and student experiences that encourage the development of creativity and

#### News

New Programmes

Articulations/ Progression Arrangement



Current successfully within a global economy.

### Even those you might not have expected

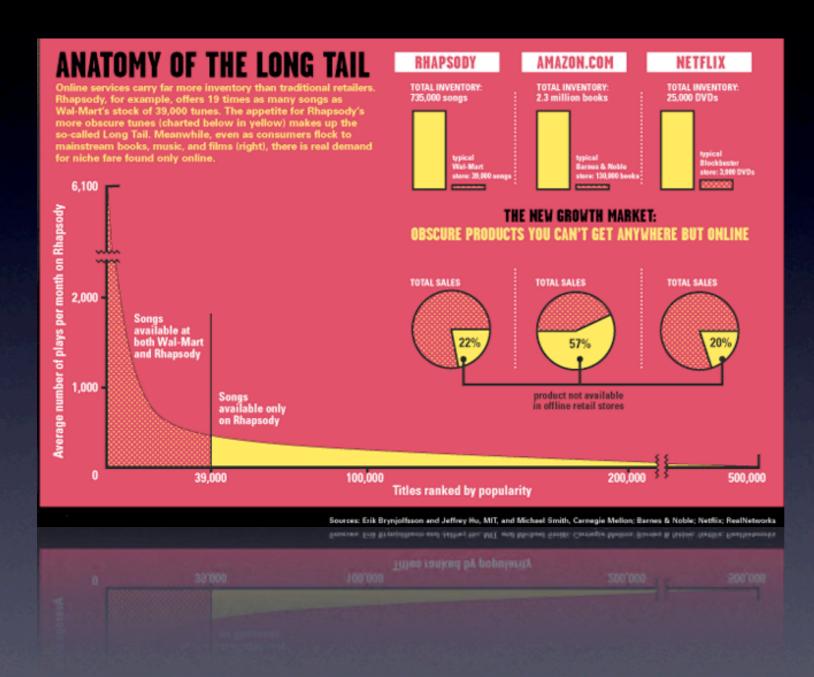


http://www.flickr.com/photos/cwalker7





### The Long Tail of Education



Rationalised education programmes in HE institutions end up losing diversity and become Top 20 hit-parades that everyone else offers too (MBA anyone?).

There's a limit to that top-down market.

Online is one way to extend the long tail of education – it is all about niche, not mainstream.

### **Converging Trends**

**Shortage of funding -** the fossil fuels aren't coming back. Can't keep doing more with less.

Increased dependence on international (and local) student funding.

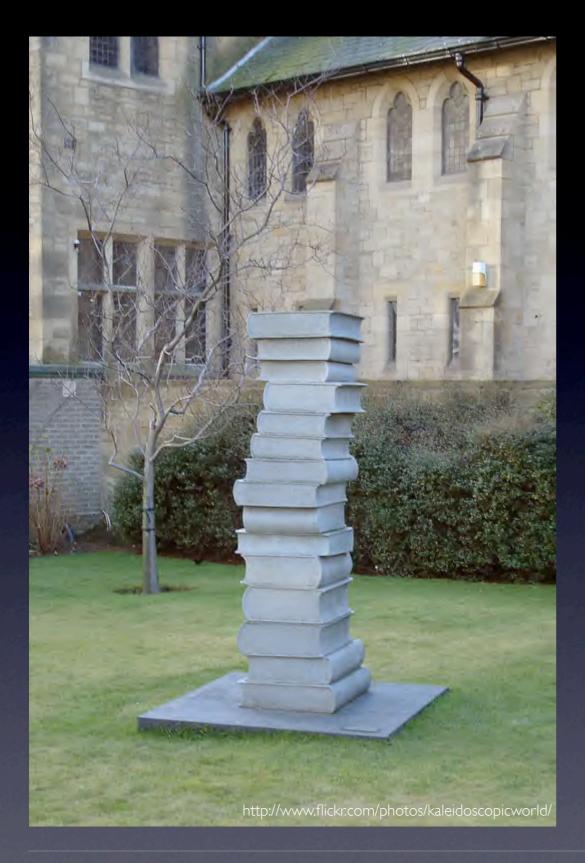
**Students as customers** - institutions are shops The more 'customers' the worse the 'product' (see telcos and ISPs for examples of this)

**Decreased perception of worth** of the *process* of education - false ocus on 'credentialing' and quick hit of skills instead.

Top 20 'efficiency' versus the Online Long Tail

Rate of change inside and outside institutions





# The Challenges for HE

The danger for HE institutions is not that they simply run out of funding, but that they become irrelevant (see Broadcasting).

We can't continue to do more with less and to think the same way (see Sustainability).

As education becomes more global, the market changes (see the Long Tail).

Education needs a service design/network mind approach (see the Web)

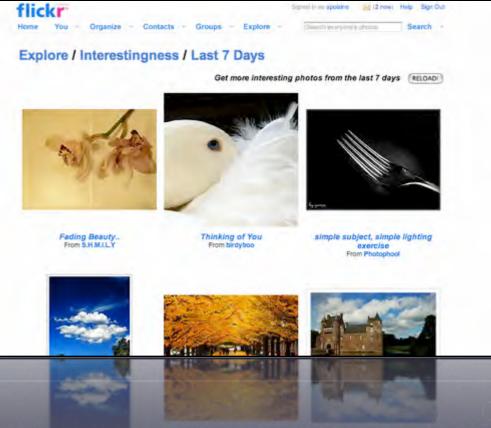
No longer "special places for special people" (see Media and Business)

#### Social Networks are Effective Systems

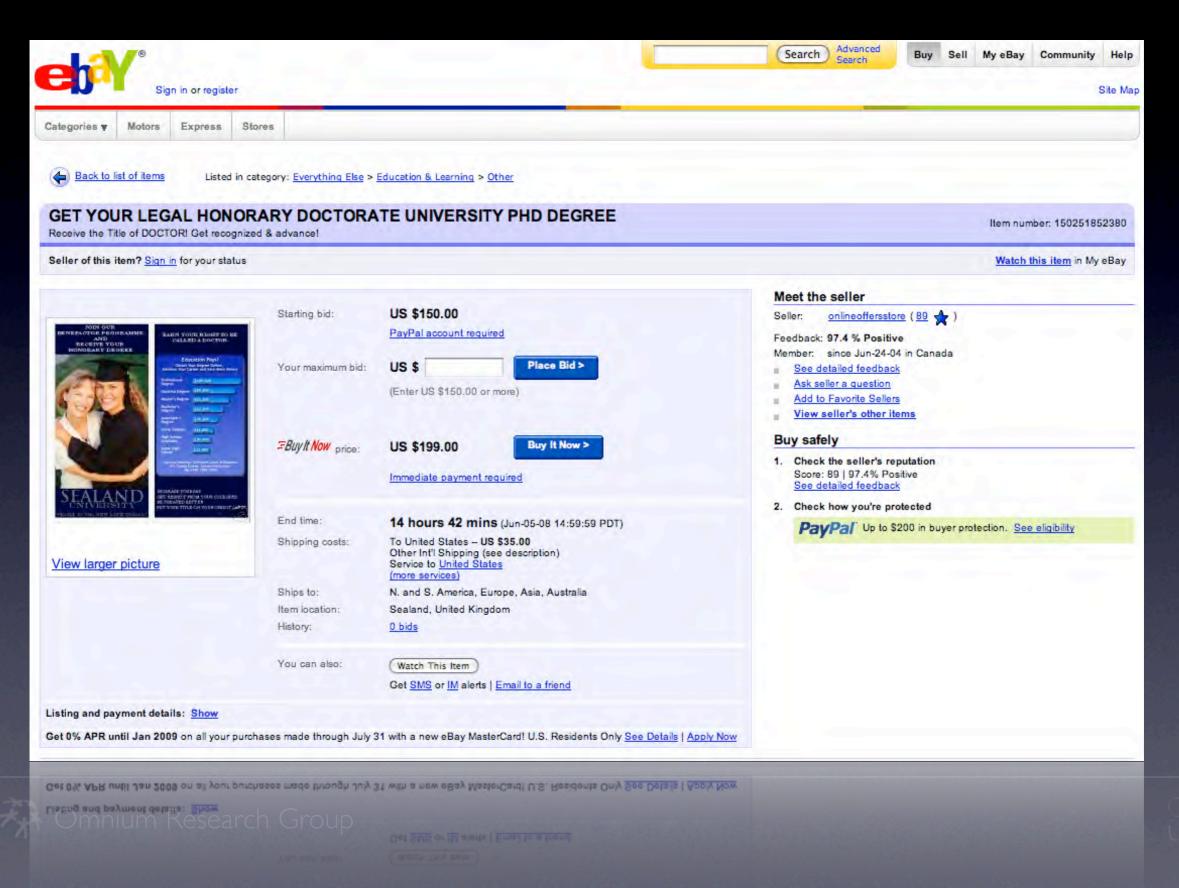
- An individual should get value from their contribution.
- These contributions should provide value to their peers as well.
- The organisation that hosts the service should derive aggregate value and be able to expose this back to the users.

(Tom Coates, 2006)

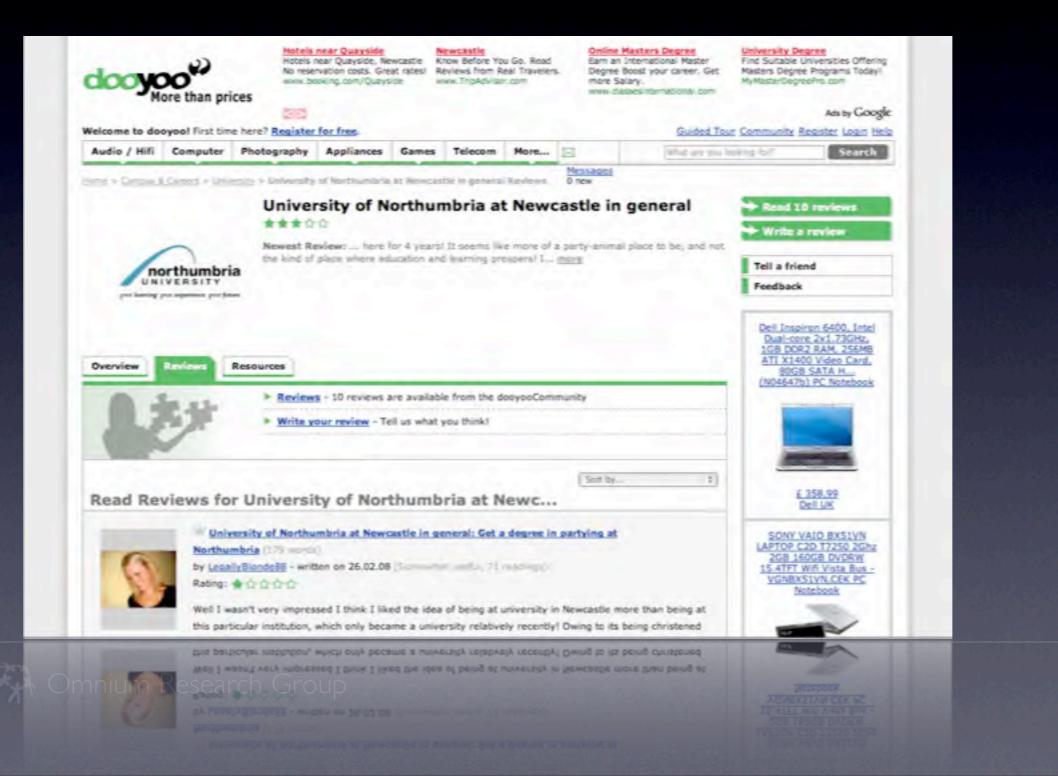




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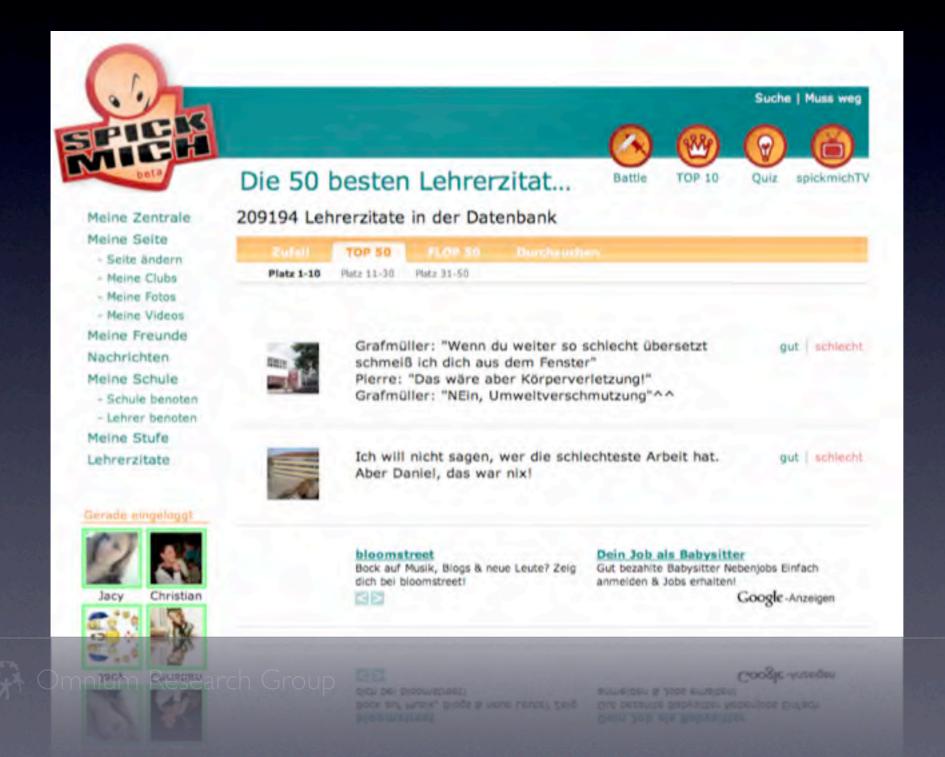
#### Buzz, not hype. Authenticity, not bland mission statements.



Buzz, not hype. Authenticity, not bland mission statements.

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University of Northumbria
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Click here to add a comment for this university.
The Comments:
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Stick it out. I was in that position once - used to spend my weekends on a train going home from unl life suchs
Son at uni in cartisle feeling very down, doesn't feel he belongs at home or at uni, anyone got any a Loynine Hall V Claude Gibb Hall
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#### Buzz, not hype. Authenticity, not bland mission statements.



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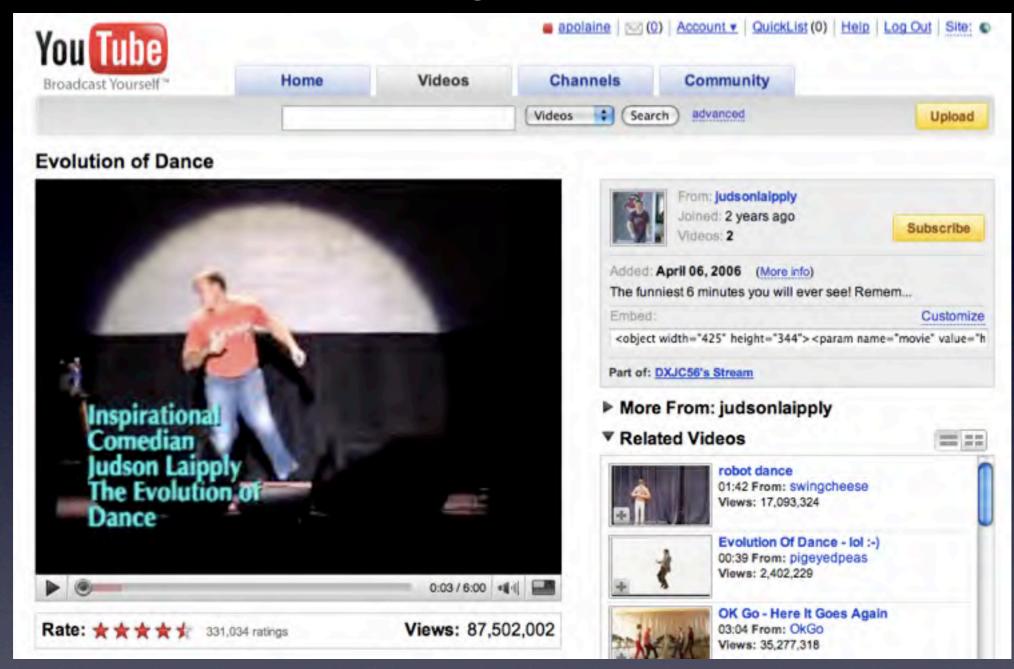
#### Higher Education needs to move from this



Michigan State University's faculty – 1890



#### To something more like these



Not because they're trendy, or new technology, but because they transform culture.

#### To something more like these



Not because they're trendy, or new technology, but because they transform culture.



#### To something more like these



Not because they're trendy, or new technology, but because they transform culture.



# What would an educational institution look like that took all of this into account if starting from scratch?

eilbronn Schwäb Ludwigsburg Waiblingen Graine he orzheim OEsslingen Göppi **Stuttgart** Sindelfingen Tübingeno Reutlingen Reutingen



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#### Before it becomes (even more) like this



http://www.flickr.com/photos/cwa





#### A few questions to get started with...

Departments lead to departmental thinking rather than open conversations. How can you encourage networked thinking and action?

What would your university look like if there were no departments, faculties or even fixed degree programmes?

What if you were starting with absolutely zero funding (as opposed a bit, but not enough) – how would you structure your resources?

What is the 'service ecology' of the university? Where does the reality depart from the rhetoric?

What if you really did teach globally? What kind of administrative changes would have to be made?

What if there were no timetables and no classrooms?







## **Thank You**

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ANDY POLAINE

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Northumbria University Associate Deans Day