New learning, new society
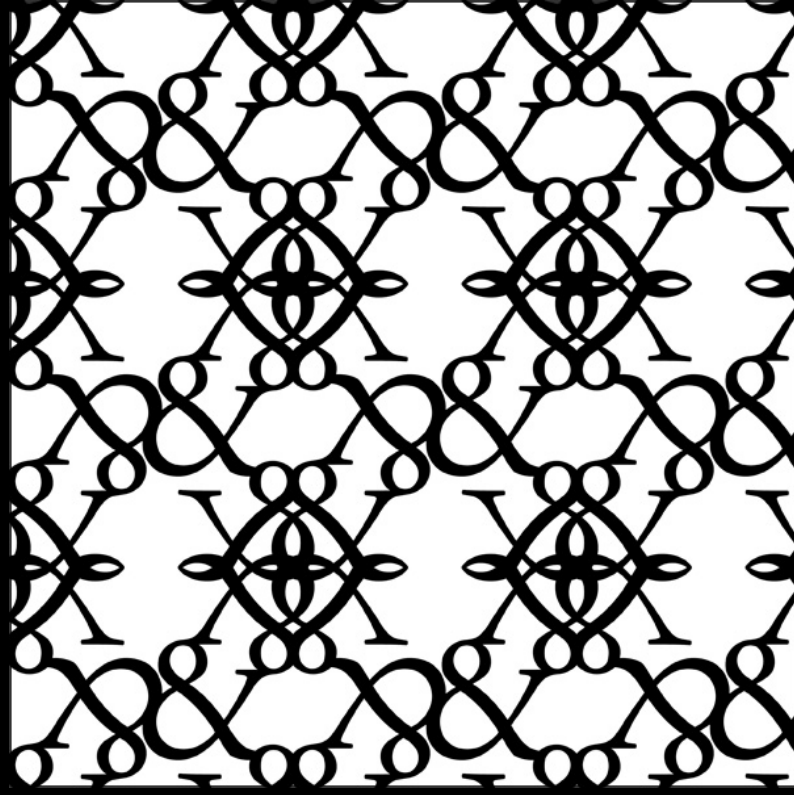
Stephen Downes
February 19, 2015
Ryerson University: The Chang School

1 The Right Model
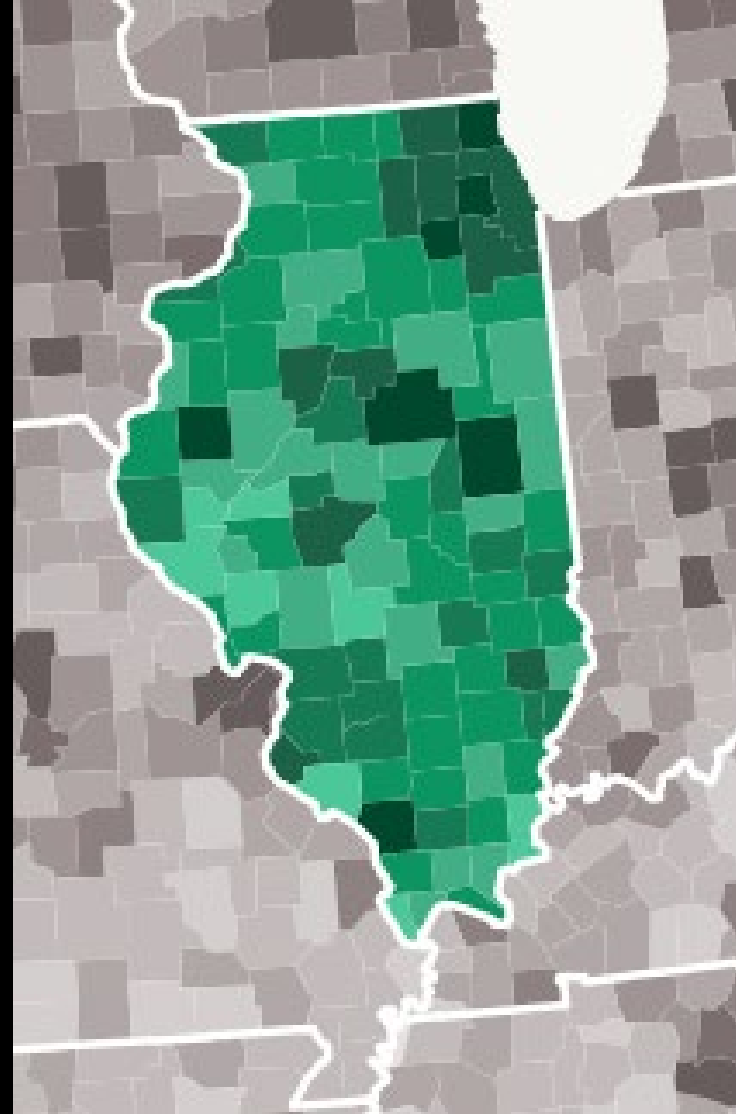
Existing models are failing

What's the best model for learning?

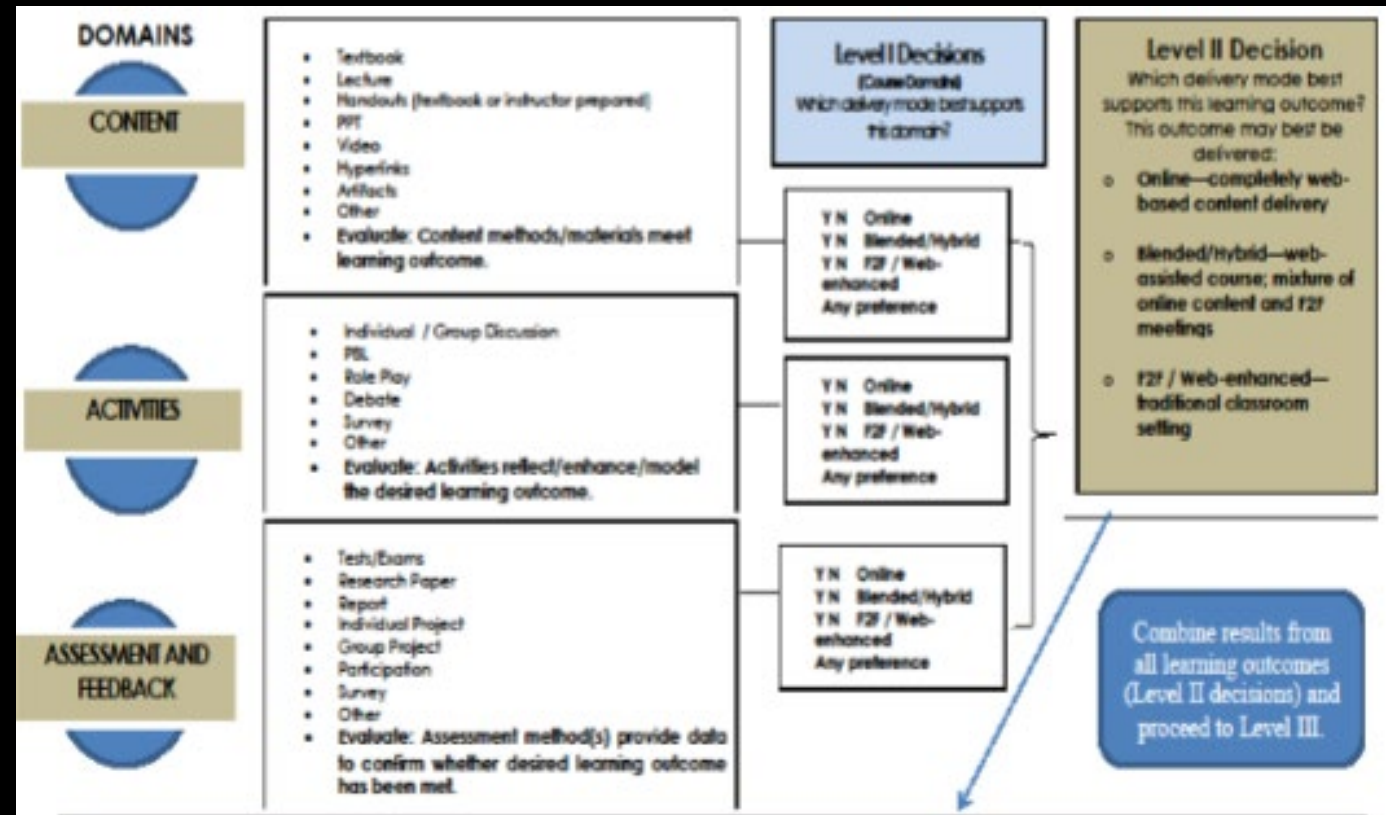# What's the best model for learning?

The pundits have their own models to propose
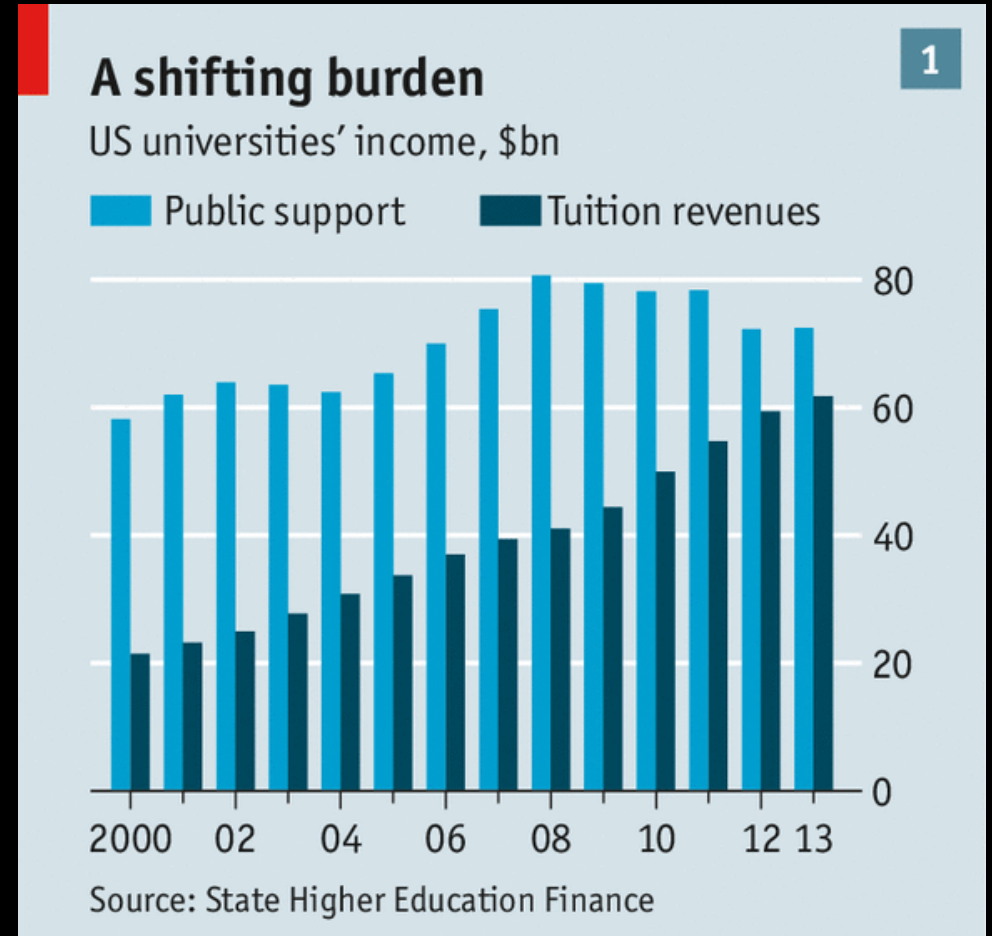

Data-driven management

The pundits have their own models to propose

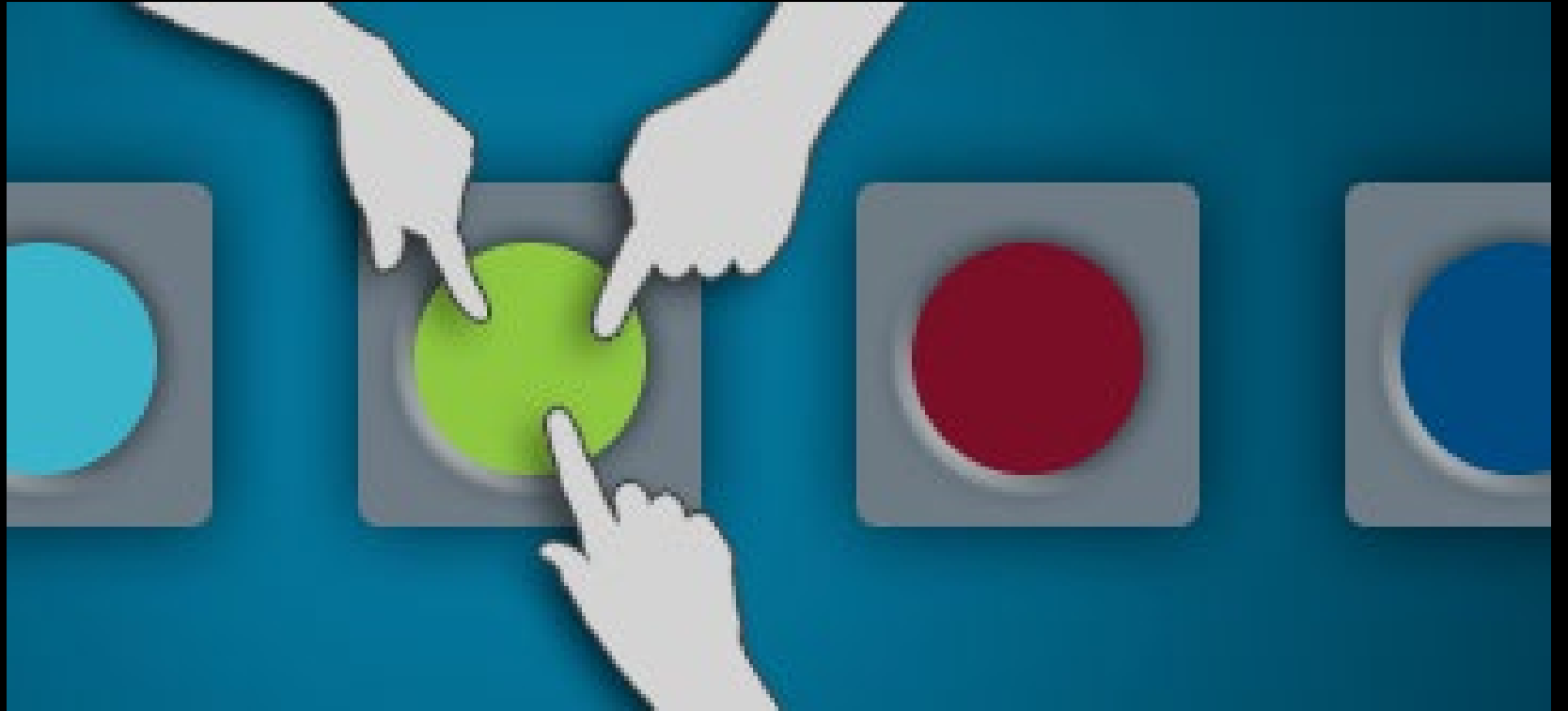Tiered service models at universities

The pundits have their own models to propose

A shifting burden
US universities' income, $bn
- Public support
- Tuition revenues

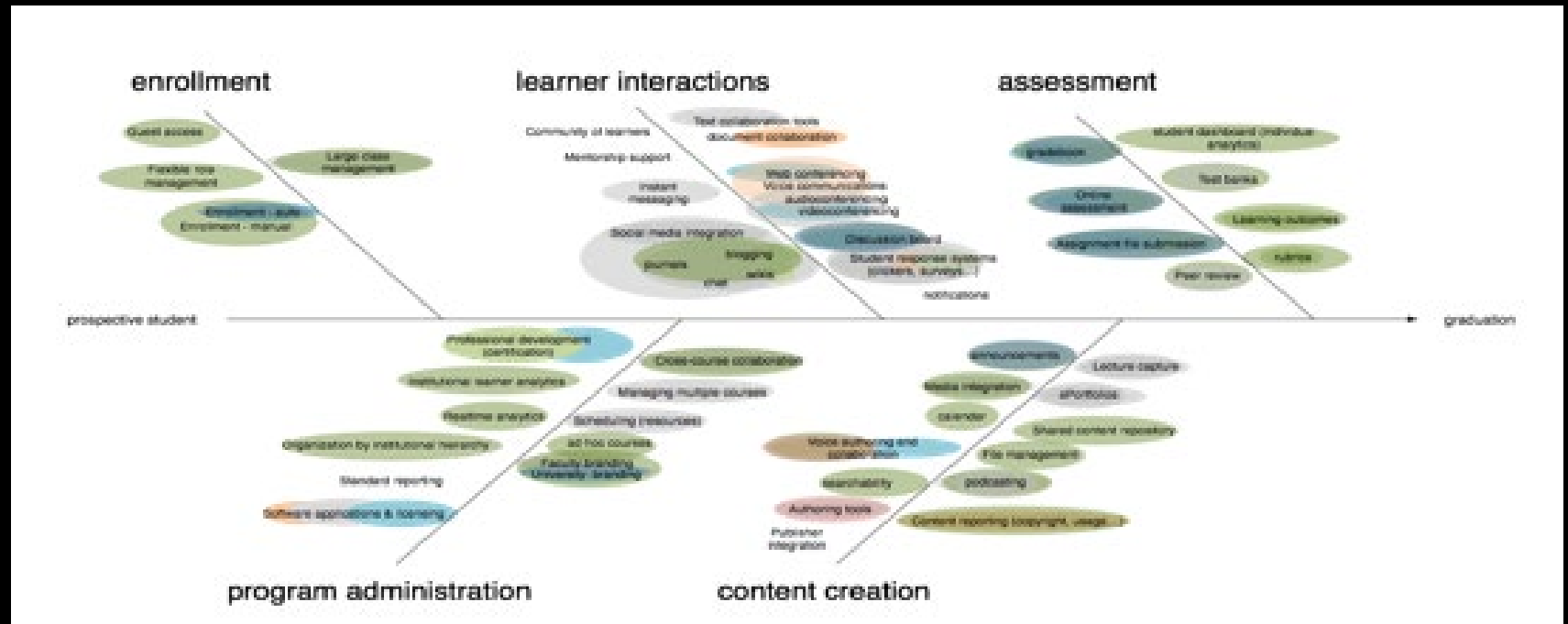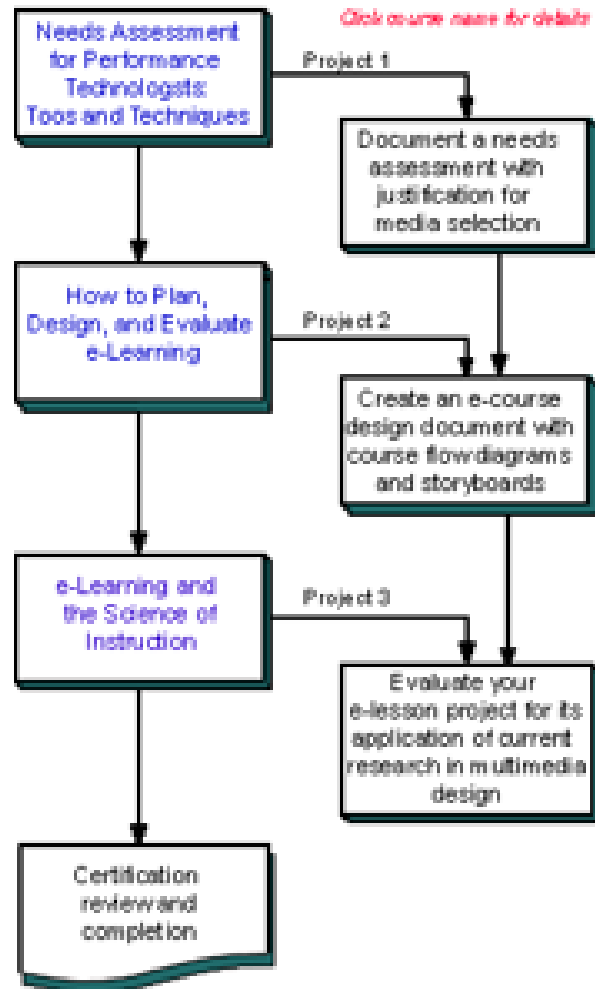Source: State Higher Education Finance

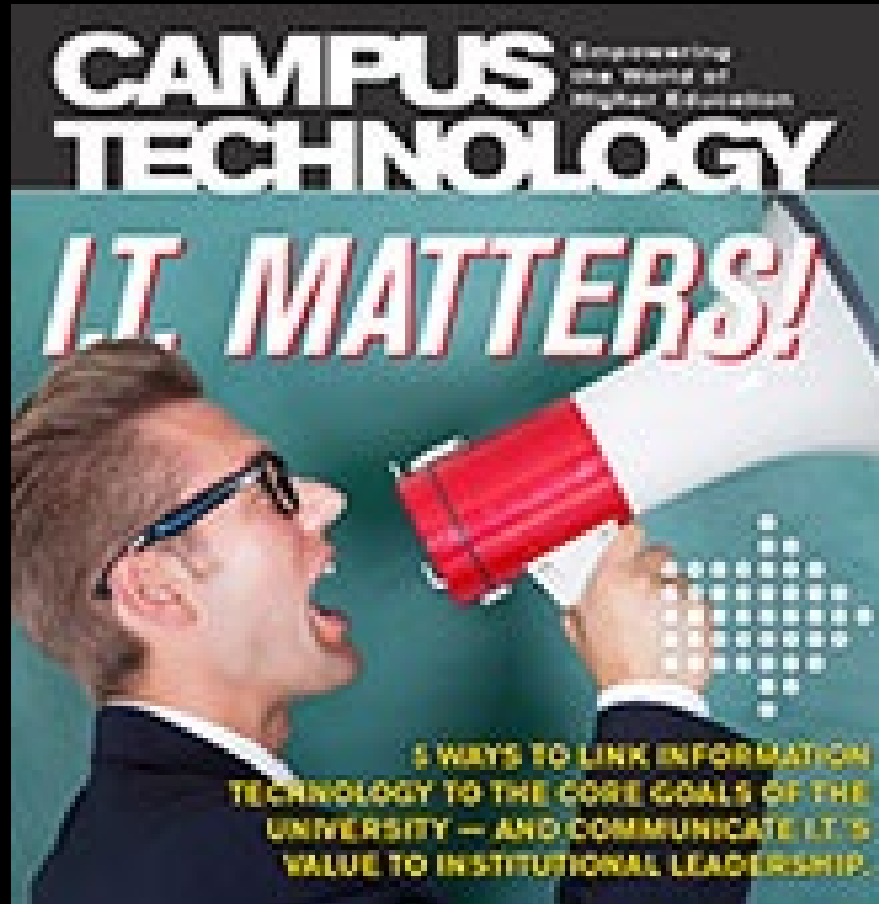# Designers are full of models

Designers are
full of models
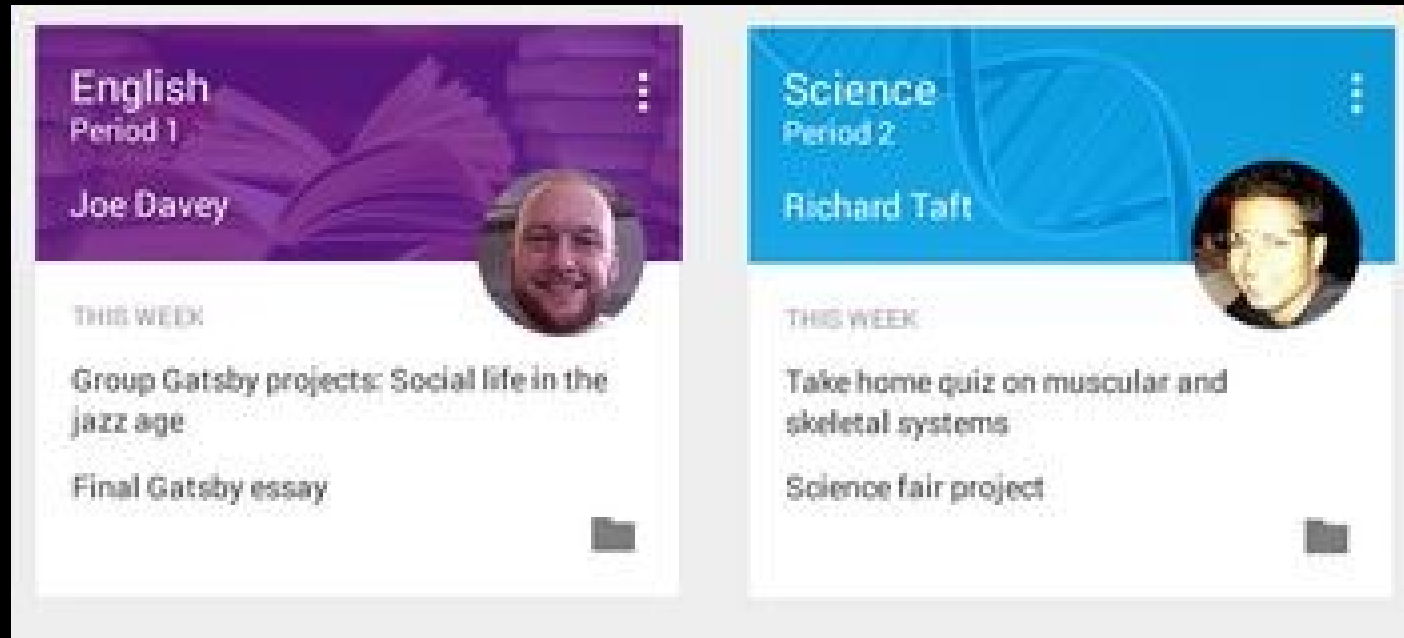
Designers are
full of models

Technology is full of models

Technology is full of models

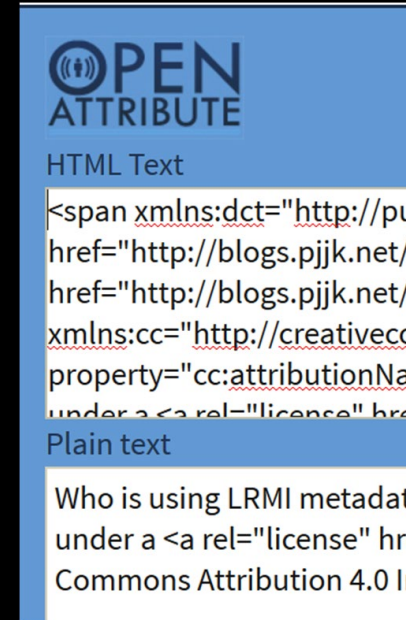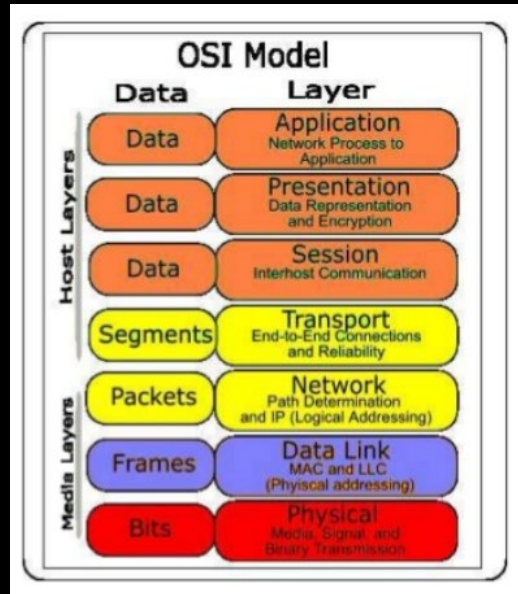*'intelligent enough to mimic the traditional classroom experience'*

Technology is full of models

New versions of old models don't produce new results

New versions of old models don't produce new results

New versions of old models don't produce new results

People are looking for learning that is relevant and practical

# People are looking for learning that is relevant and practical

Iyadunni Olubode

People are looking for learning that is relevant and practical

"Everyone knows that knowledge is growing at an increasing depth and an increasing breadth, so you need people which can constantly learn and bridge that gap even while they're in their current jobs." Iyadunni Olubode

Maybe the 'right model' is to do away with the models altogether
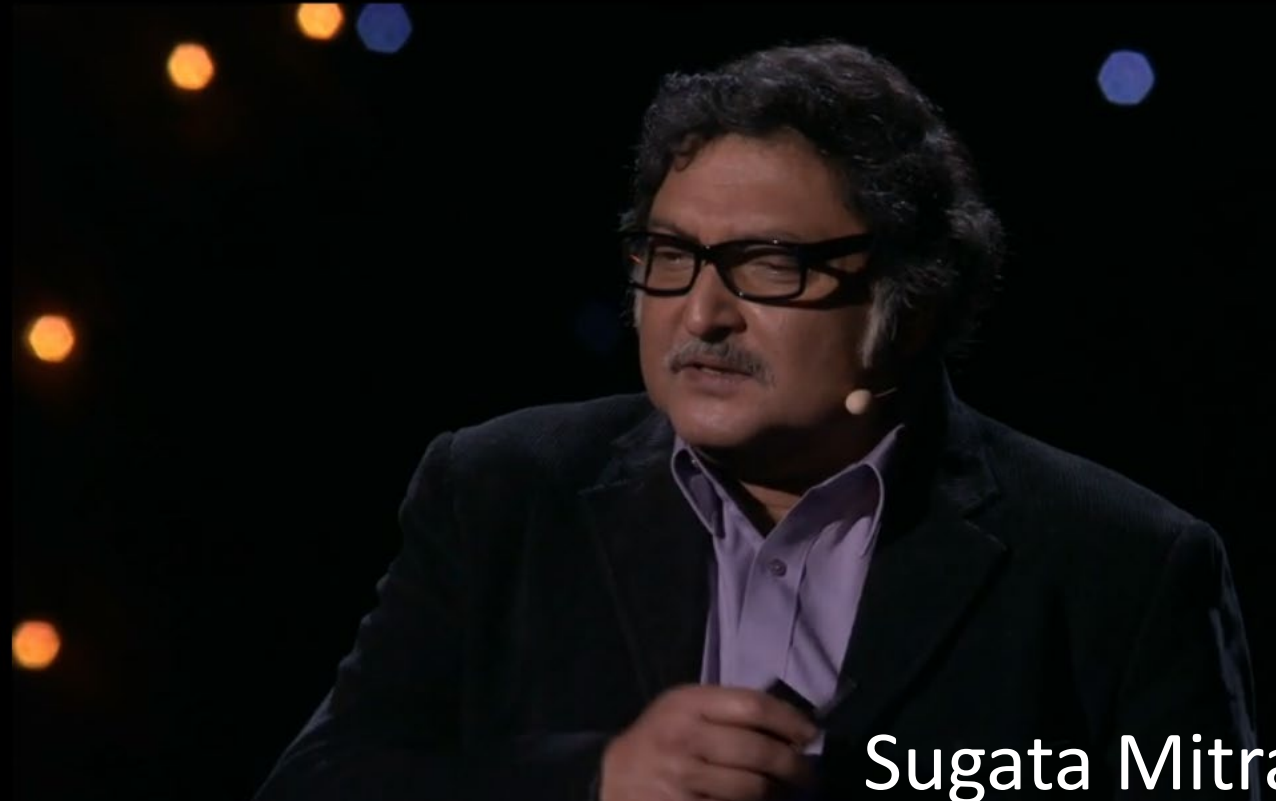
Sugata Mitra

Maybe the 'right model' is to do away with the models altogether

2 Self-Organized Learning

The idea of control is an illusion

Sally Satel: Control is an illusion and always has been an illusion. It is a Hobbesian paradox that we cannot enforce change unless change has already occurred.

The idea of control is an illusion

Jean Baptiste Lamarck

The future of ed tech is a reclamation project

We must reclaim control of the data, content, and knowledge we create."
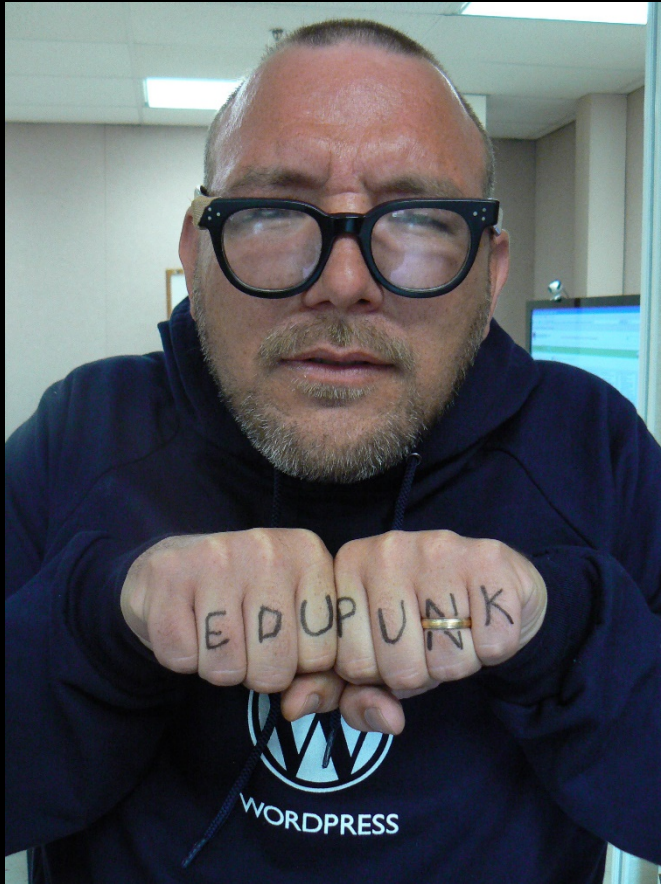
Lucy Gray

The future of ed tech is a reclamation project

"We must reclaim control of the data, content, and knowledge we create."

Audrey Watters

The future of ed tech is a reclamation project

Jim Groom

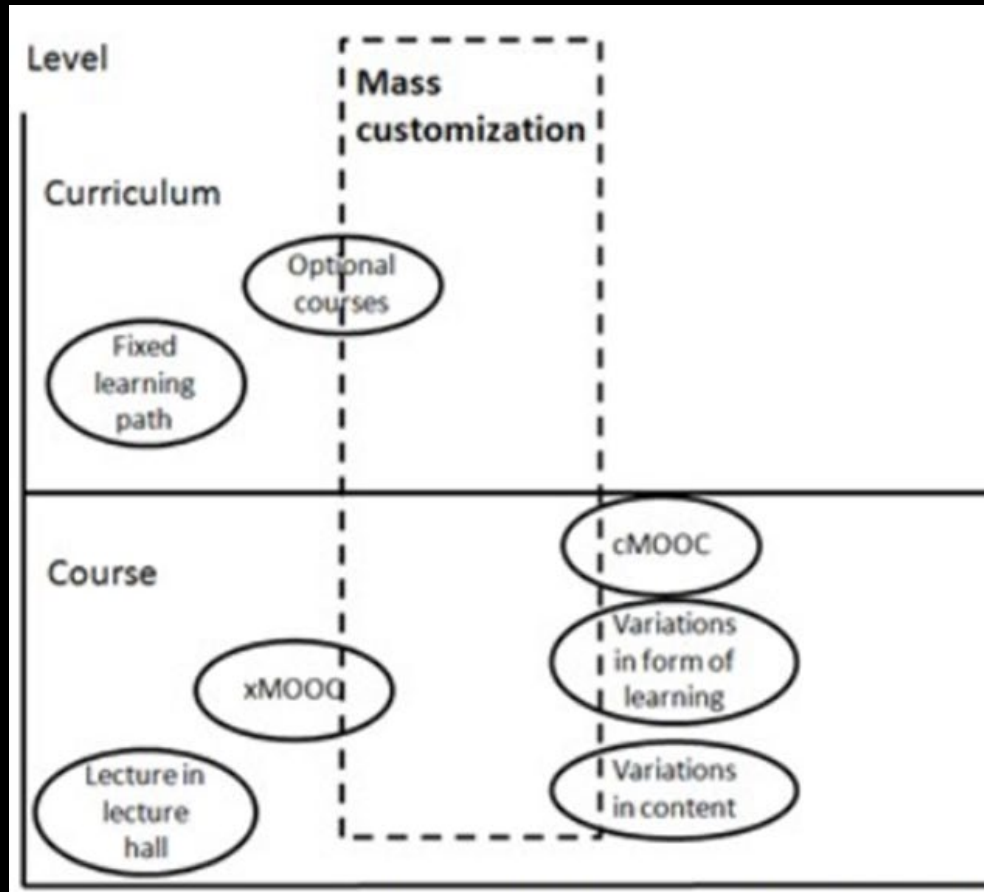GROOM

In cyberspace no one can hear you scream

The future of ed tech is a reclamation project

What's missing is BAD
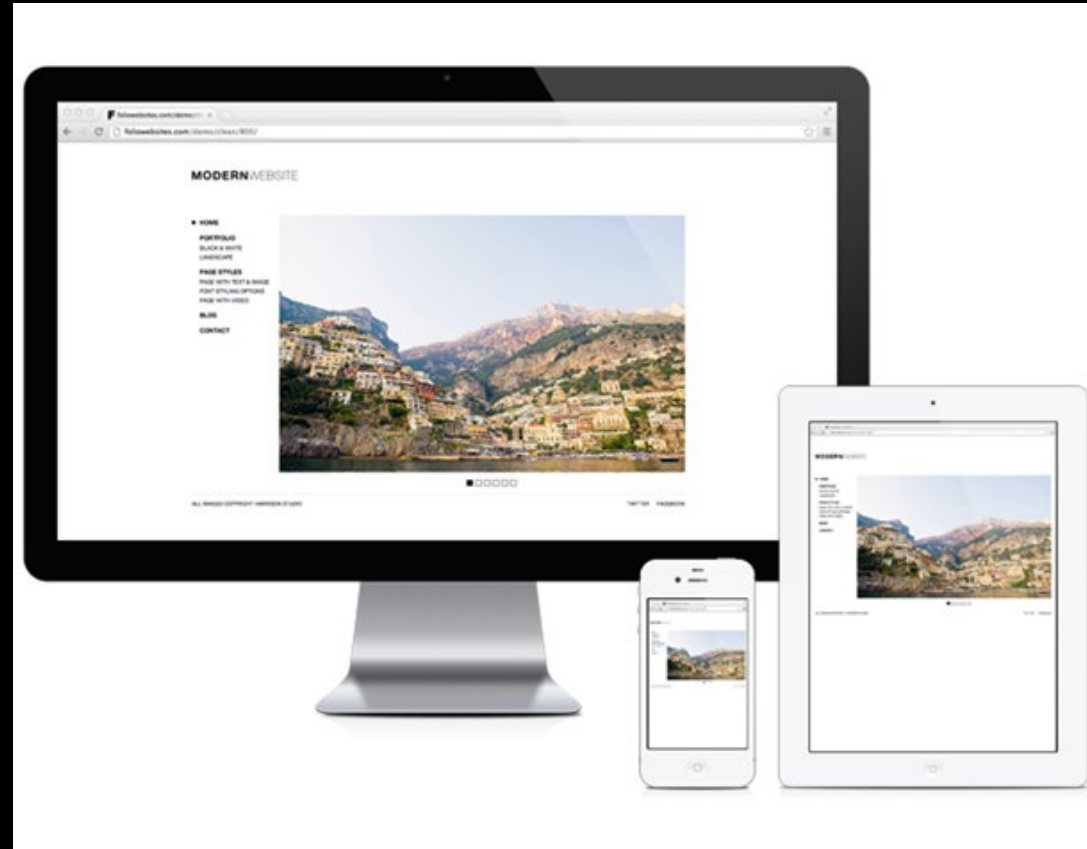

Bricolage
Affordances
Distribution

Personal vs Personalized

Alvin Toffler

Personal vs Personalized

Personal vs Personalized

The *personal* isn't designed. It is based on self-organization

The *personal* isn't designed. It is based on self-organization

The *personal* isn't designed. It is based on self-organization

David Weinberger :We don't feel overloaded by the effects of 1.3 million apple pie recipes or 7.6 million cute cat photos.

Reclaimed learning is network learning

Reclaimed learning is network learning

Reclaimed learning is network learning

David Wiley

Publish (on your) Own Site, Syndicate Elsewhere"...
The POSSE antimodel

"The edge is becoming more important than the node."

Mary Meeker

The rise of mobile, the proliferation of apps...

"The edge is becoming more important than the node."

George Siemens

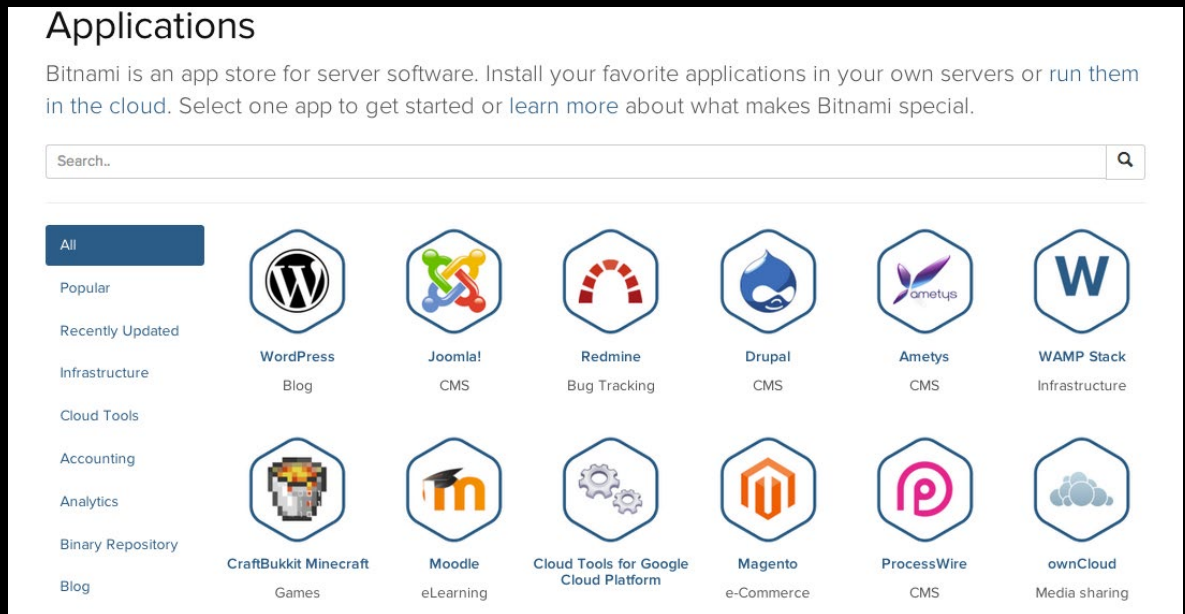# "The edge is becoming more important than the node."

Ben Werdmuller may have a [startup](#) invested in the concept, but his view of an indieweb
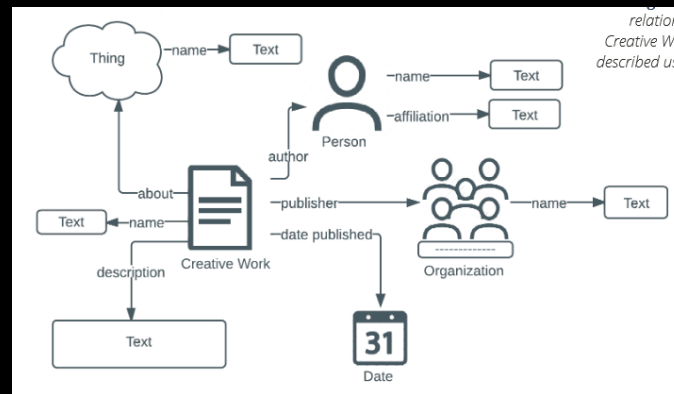
The distributed developer's stack
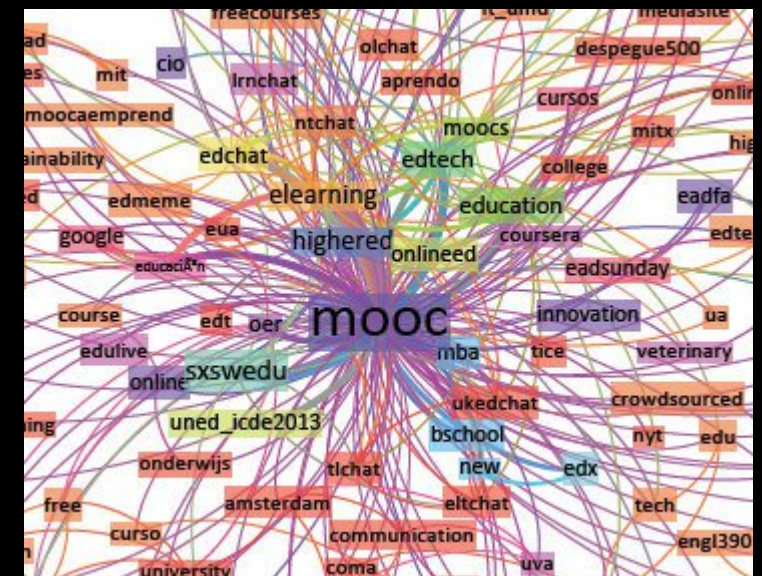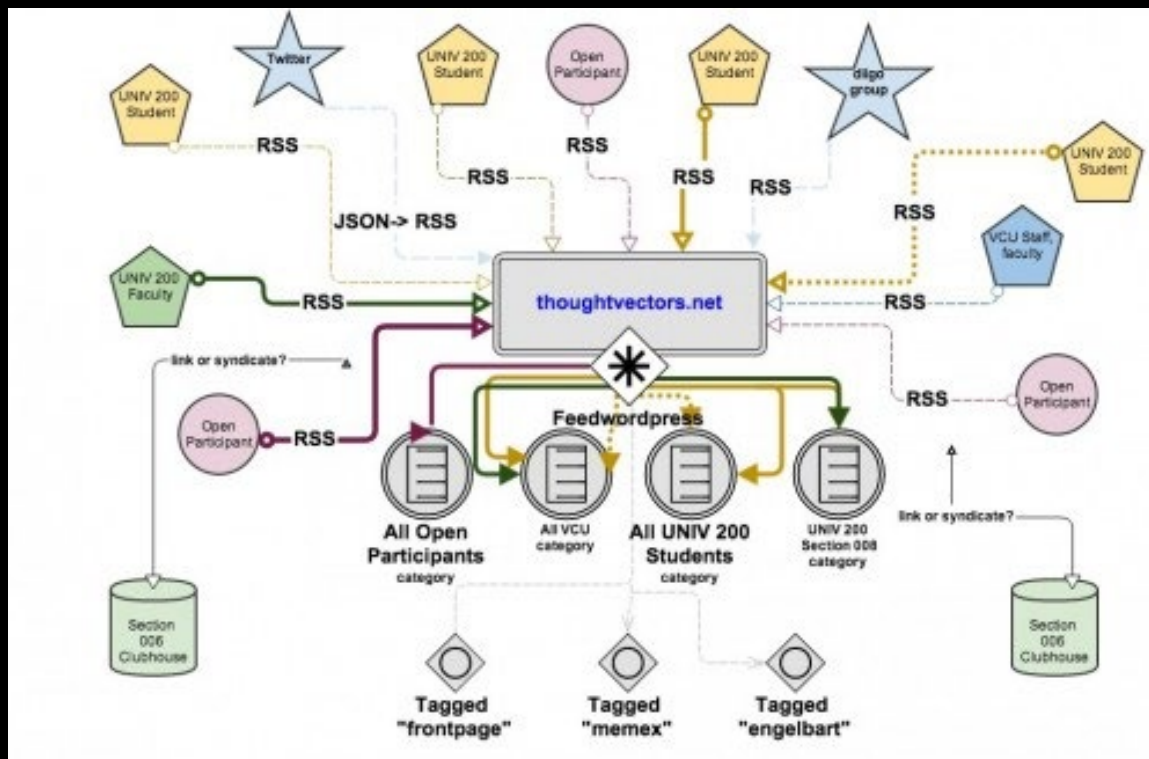
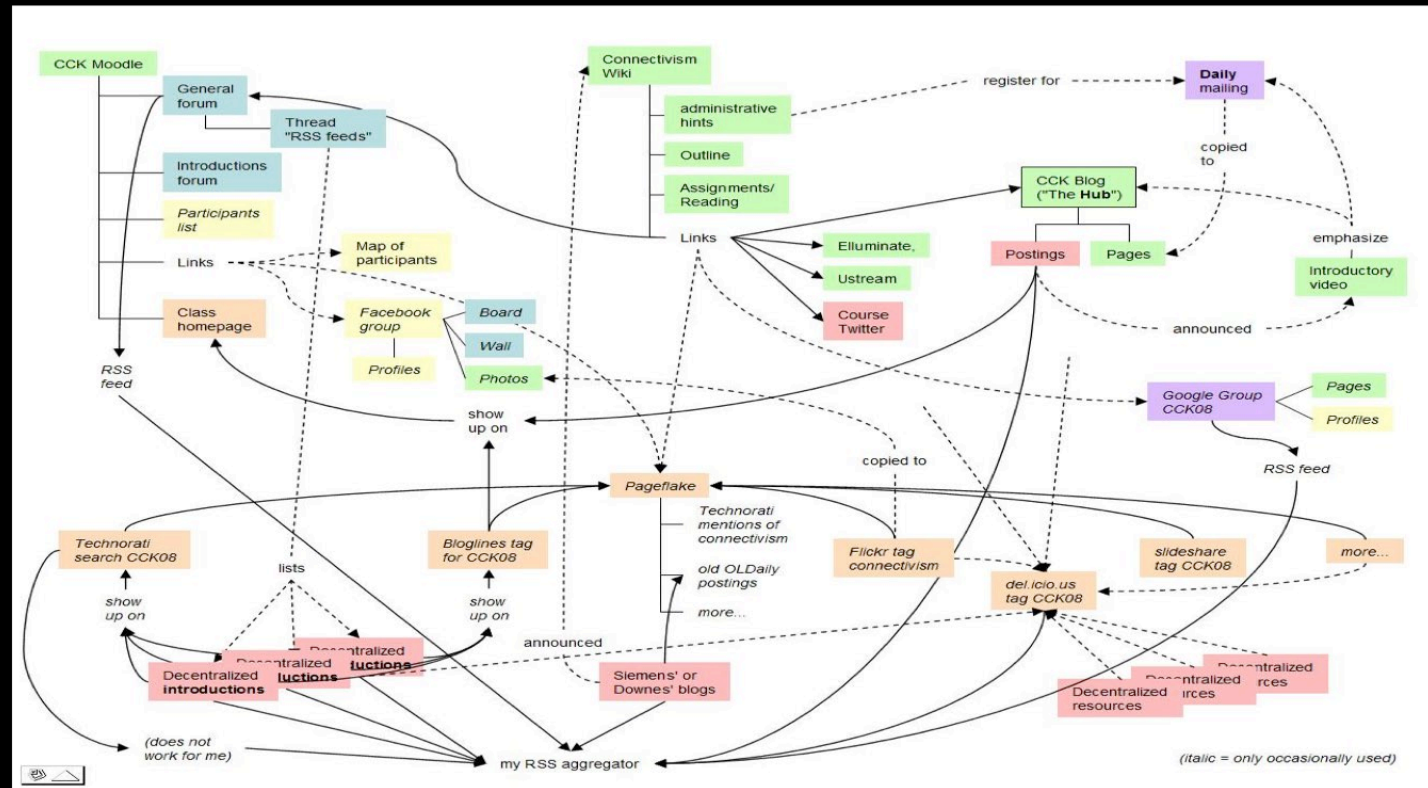# The distributed developer's stack
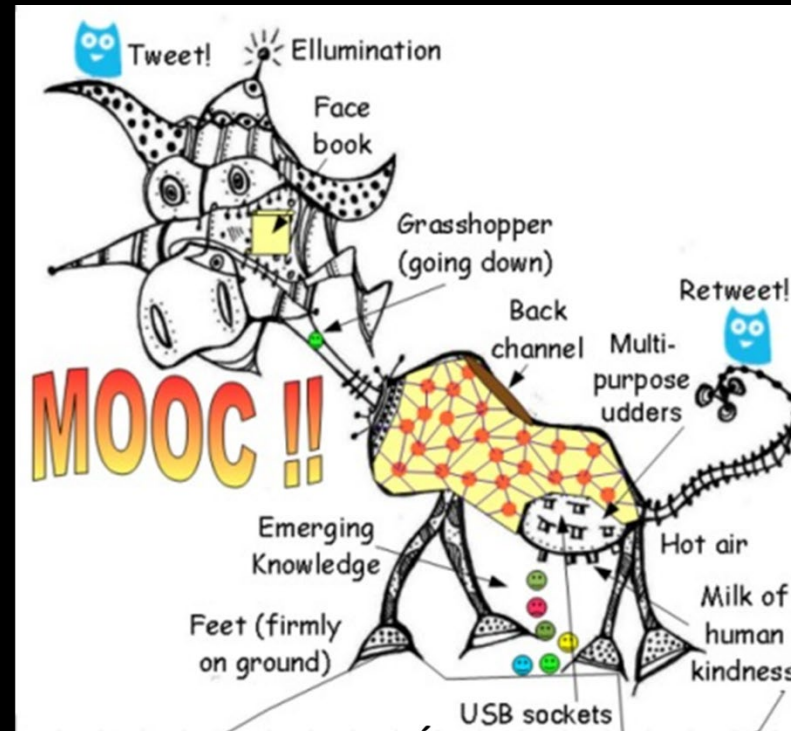
Schema.org

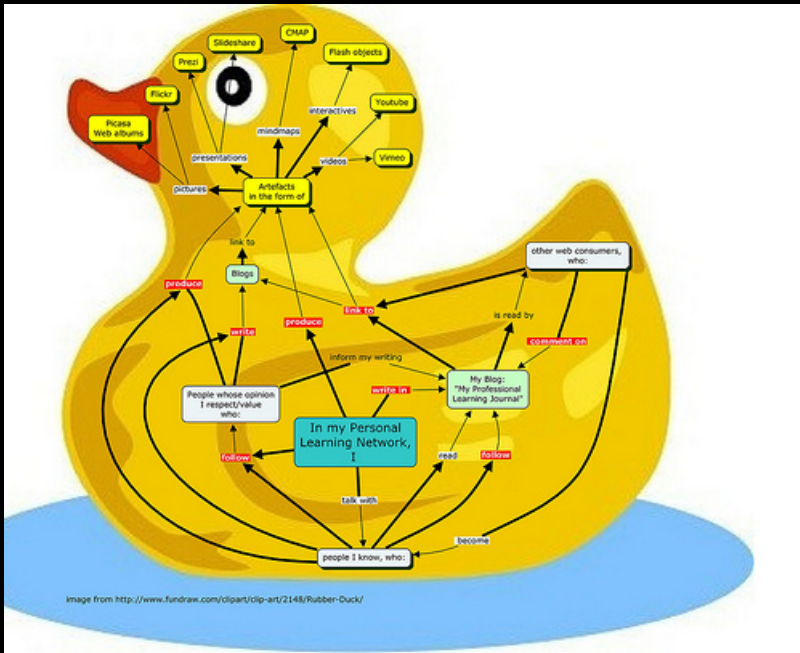# The distributed developer's stack

Network Learning - Building the MOOC

Network Learning - Building the MOOC

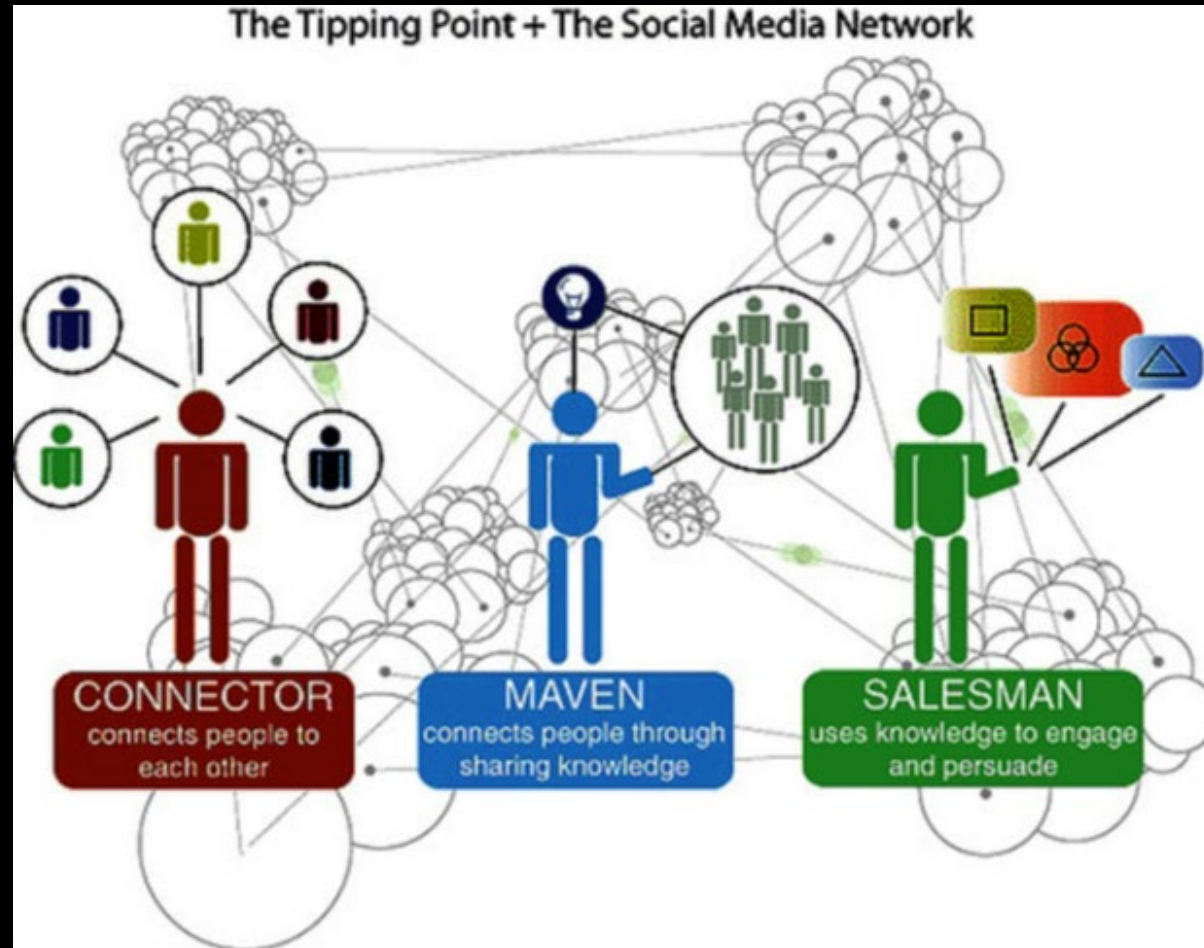# Network Learning - Building the MOOC

3 Interactions in a Problem Space

Connectivism as a learning theory

"Connectivism repositions media as a type of content, in that media, as tools of cognitive engagement, have the potential to transform the content of learning."

The Tipping Point + The Social Media Network

CONNECTOR connects people to each other

MAVEN connects people through sharing knowledge

SALESMAN uses knowledge to engage and persuade
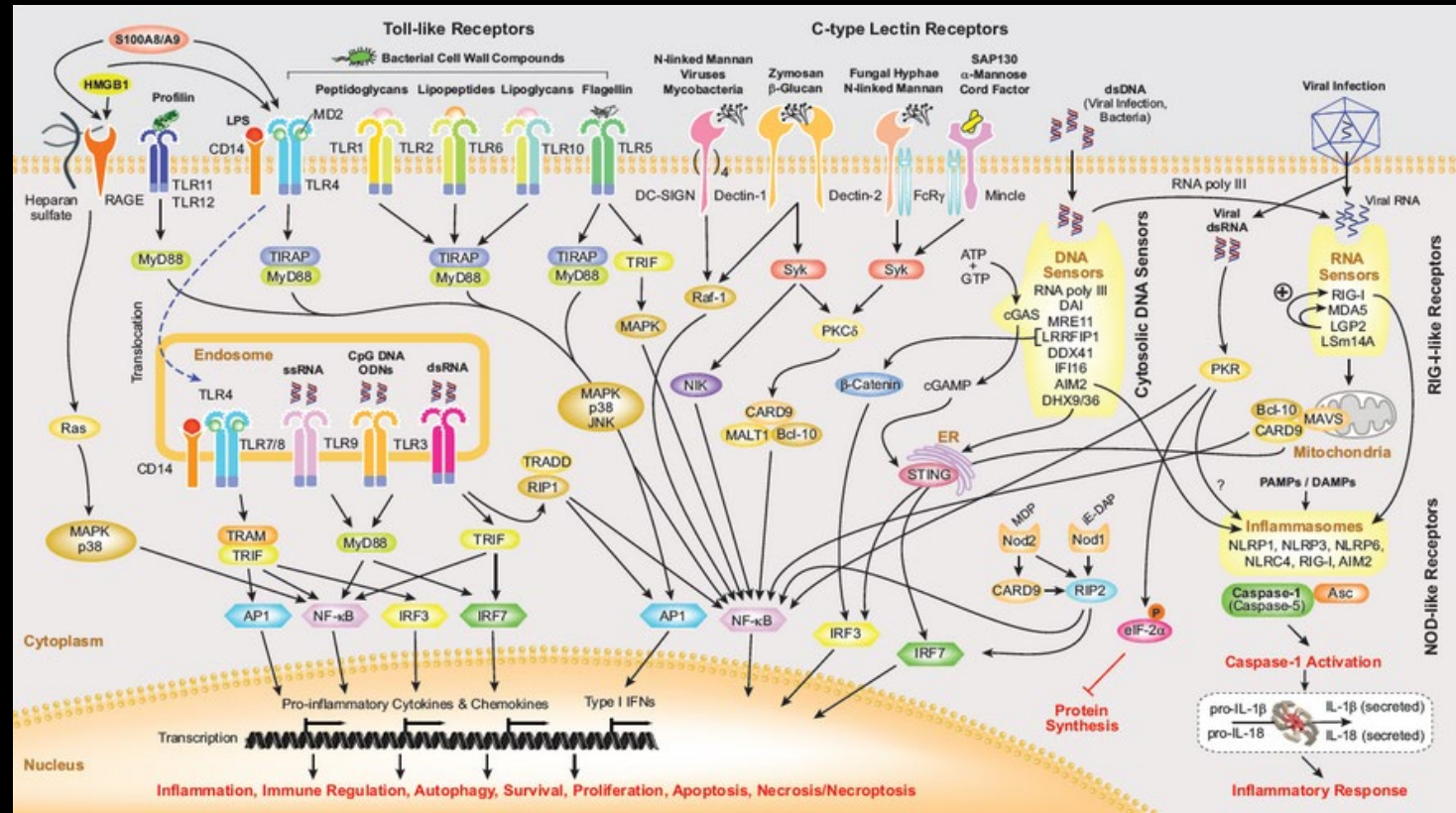
Connectivism as a learning theory

The Siemens answer is multimodal extension.

Connectivism as a learning theory

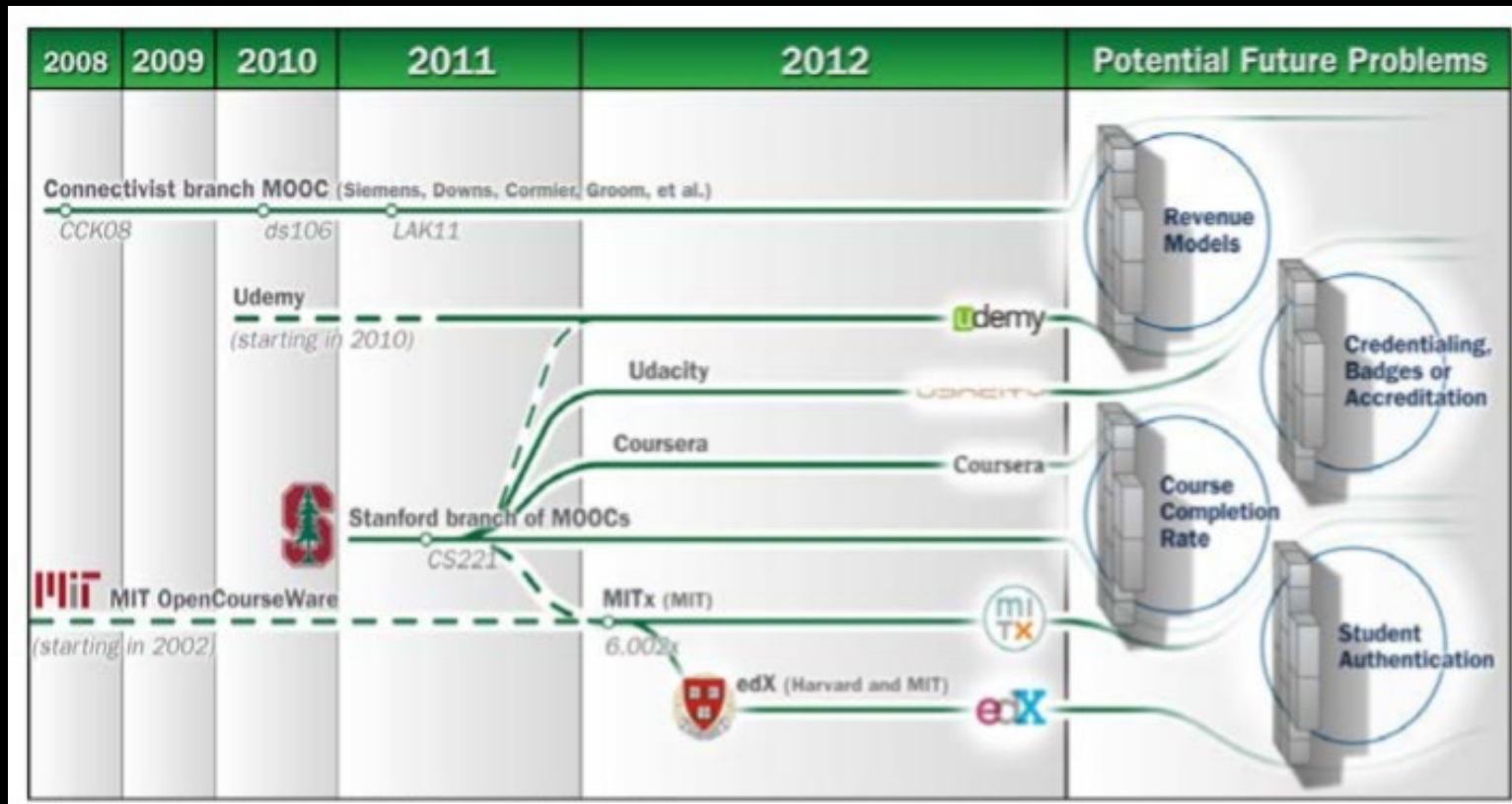The Downes answer: pattern recognition.

Elements of MOOC design

Connection across systems

Elements of MOOC design

Conversation

Elements of MOOC design

Reading and networking will become one and the same thing

Utopia developer Steve Pettifer

Content and literacy will become one and the same thing

The learner at the centre of the networked world

GOVERNMENT

PARENTS

EDUCATORS

SCHOOL DISTRICTS & LEADERS

STUDENTS

FOUNDATIONS

NON PROFITS

BUSINESSES

The learner at the centre of the networked world

Learner Ownership and Control of Electronic Portfolio Development

Motivation

Intrinsic

Extrinsic

Process

Purpose

Purpose

Contents

Contents

Contents

ORGANIZATION CONTROL

LEARNER CONTROL

DEGREE OF CHOICE

Learner Control vs. Organizational Control
Assumption:
Greater Learner Control leads to more Intrinsic Motivation
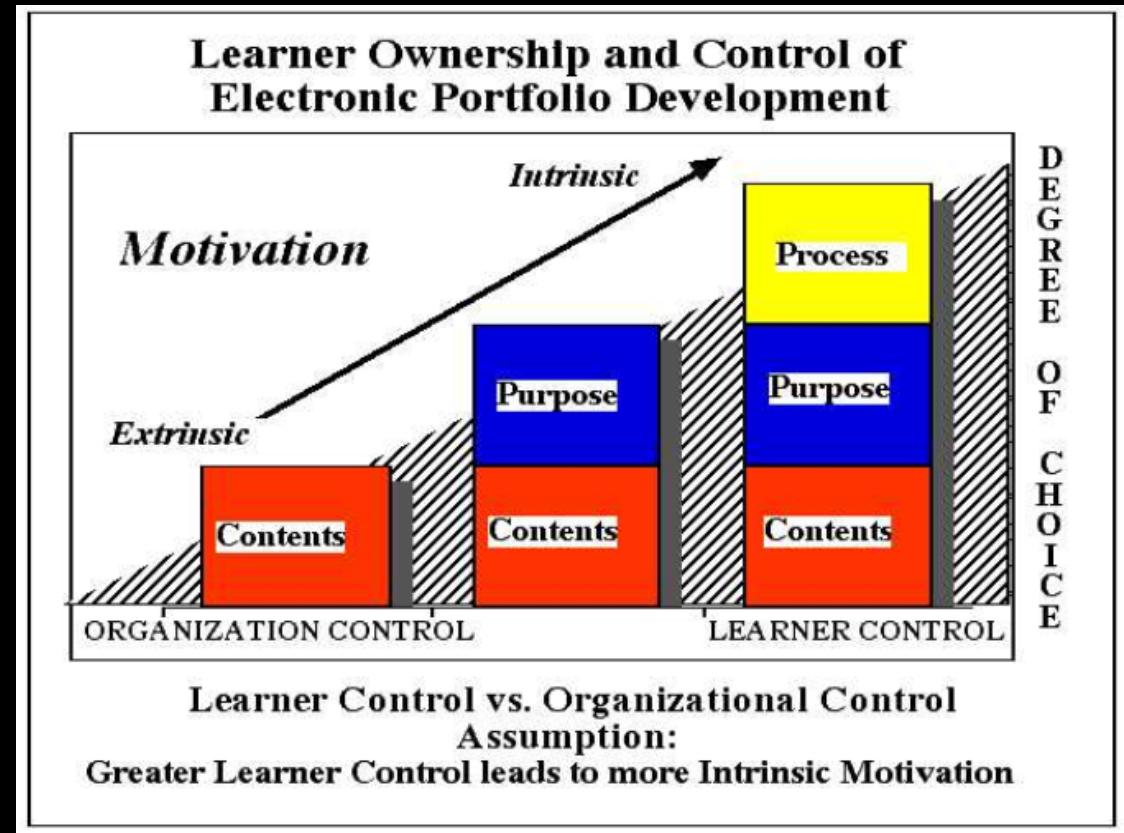
The learner at the centre of the networked world
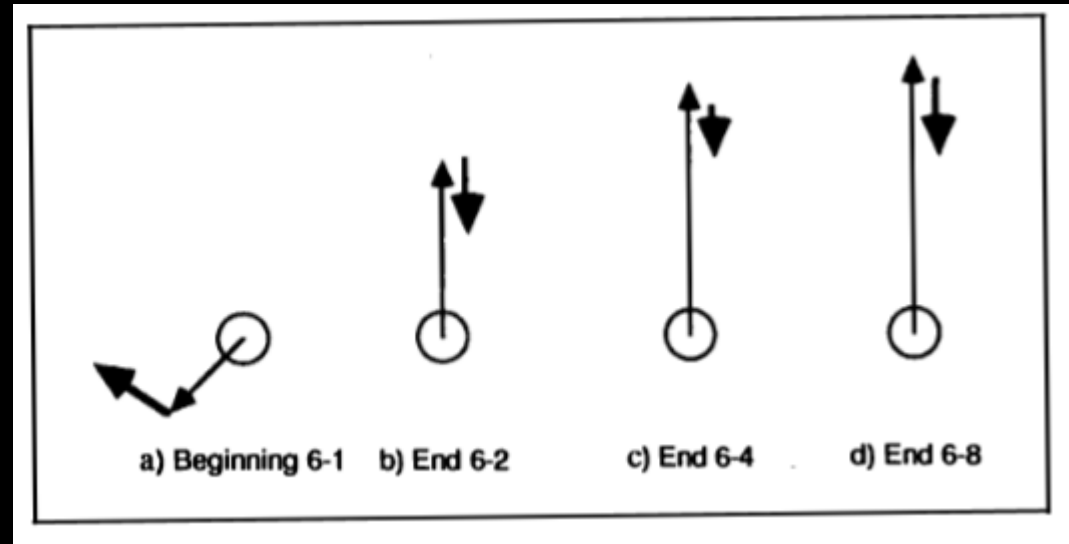
Interactions in a problem space

Connective technology transforming the workplace

The Near Future of Workforce Technology

The collaboration of the future: cooperation

we no longer share models, designs, visions, goals, or objectives

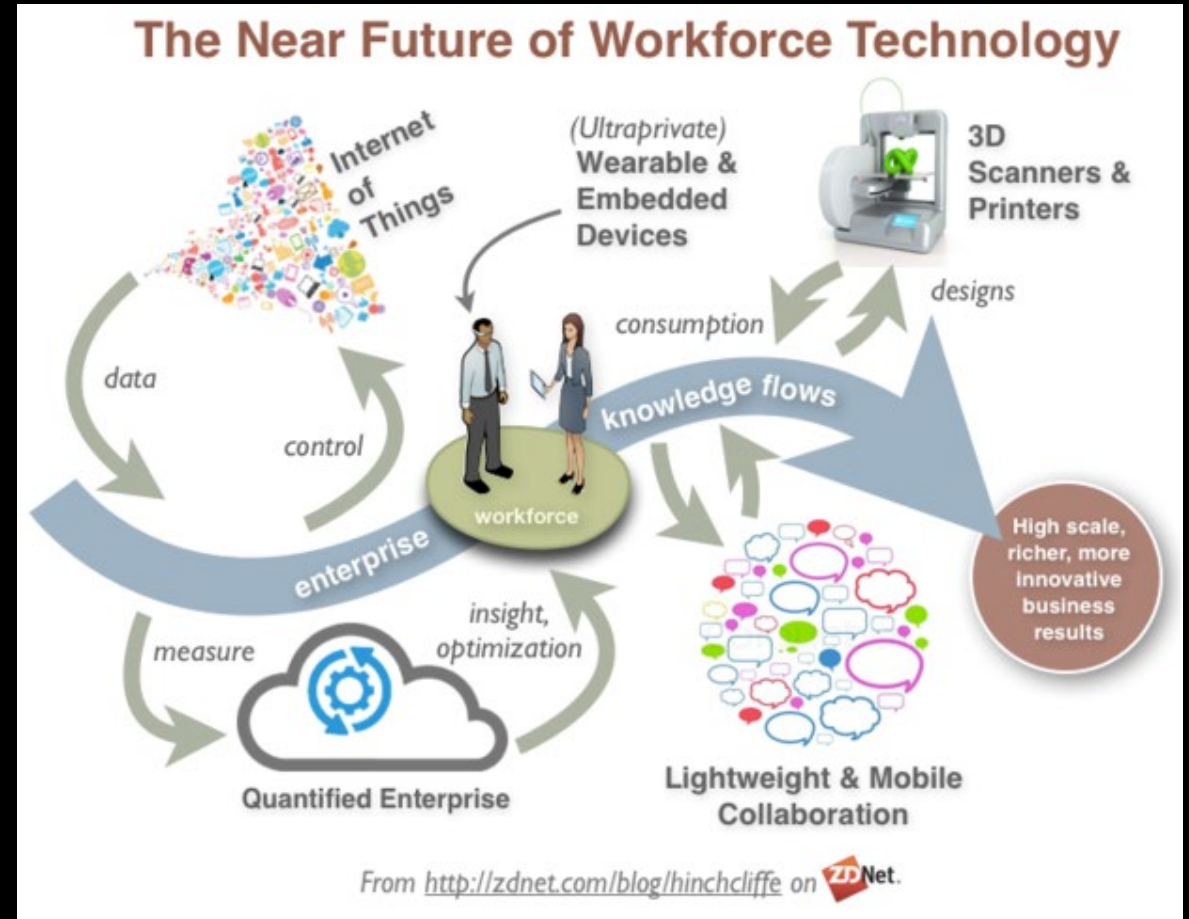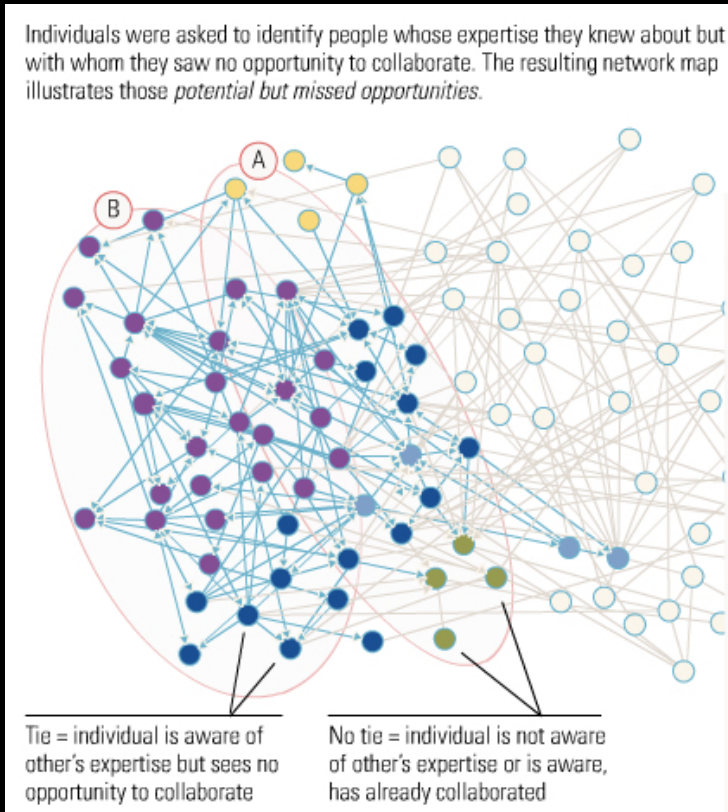# The collaboration of the future: cooperation

The collaboration of the future: cooperation

The new skills are network skills

Individuals were asked to identify people whose expertise they knew about but with whom they saw no opportunity to collaborate. The resulting network map illustrates those *potential but missed opportunities*.

Tie = individual is aware of other's expertise but sees no opportunity to collaborate

No tie = individual is not aware of other's expertise or is aware, has already collaborated

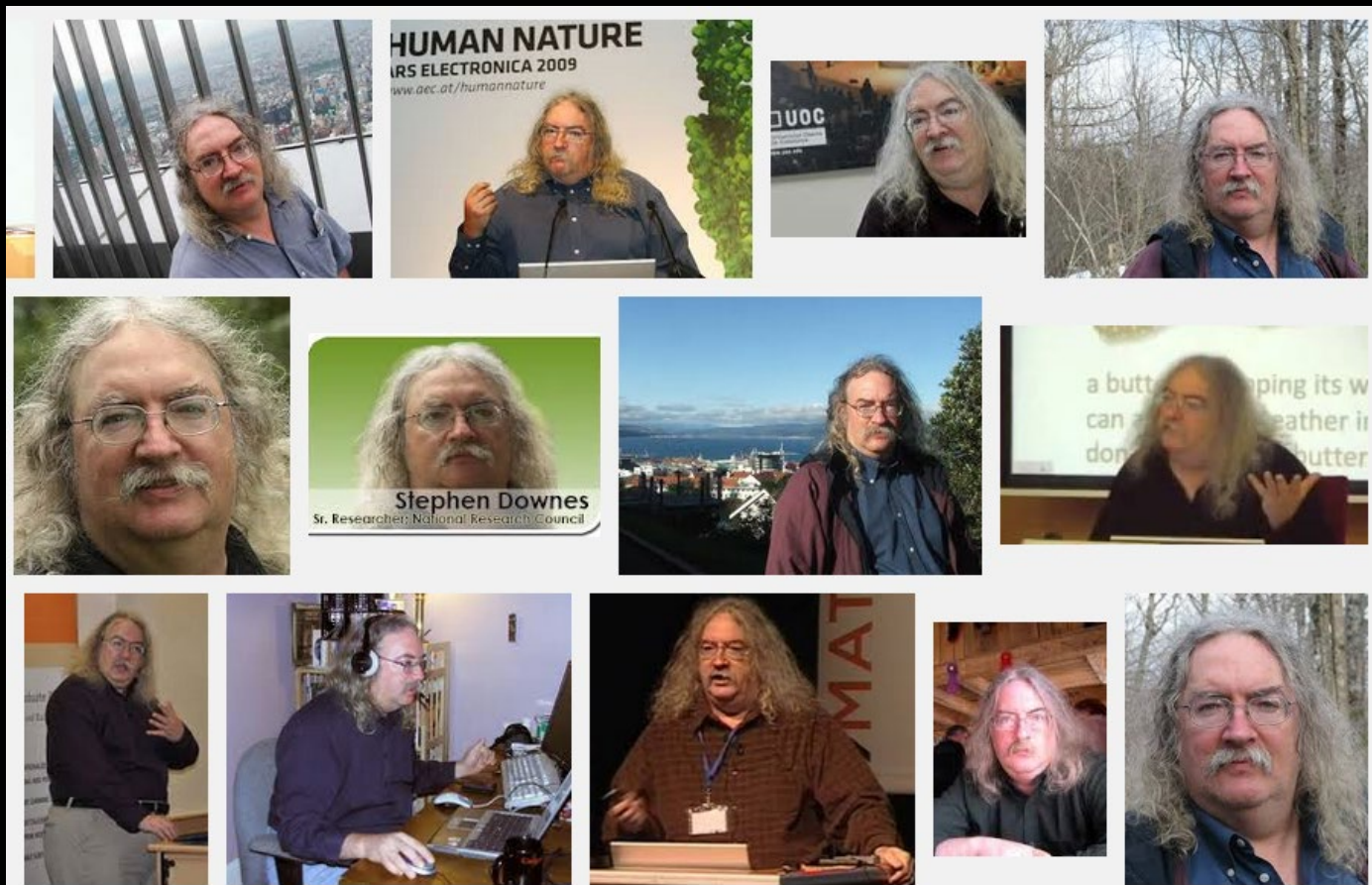# What is it we need when we say we need education?

What is it we need when we say we need education?

Nicholas Negroponte, Alan Kay, and Marvin
Minsky and Mitchel Resnick

New learning, new society

Stephen **Downes**
http://www.downes.ca