

What is Innovation in Education?

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Ghent, Belgium

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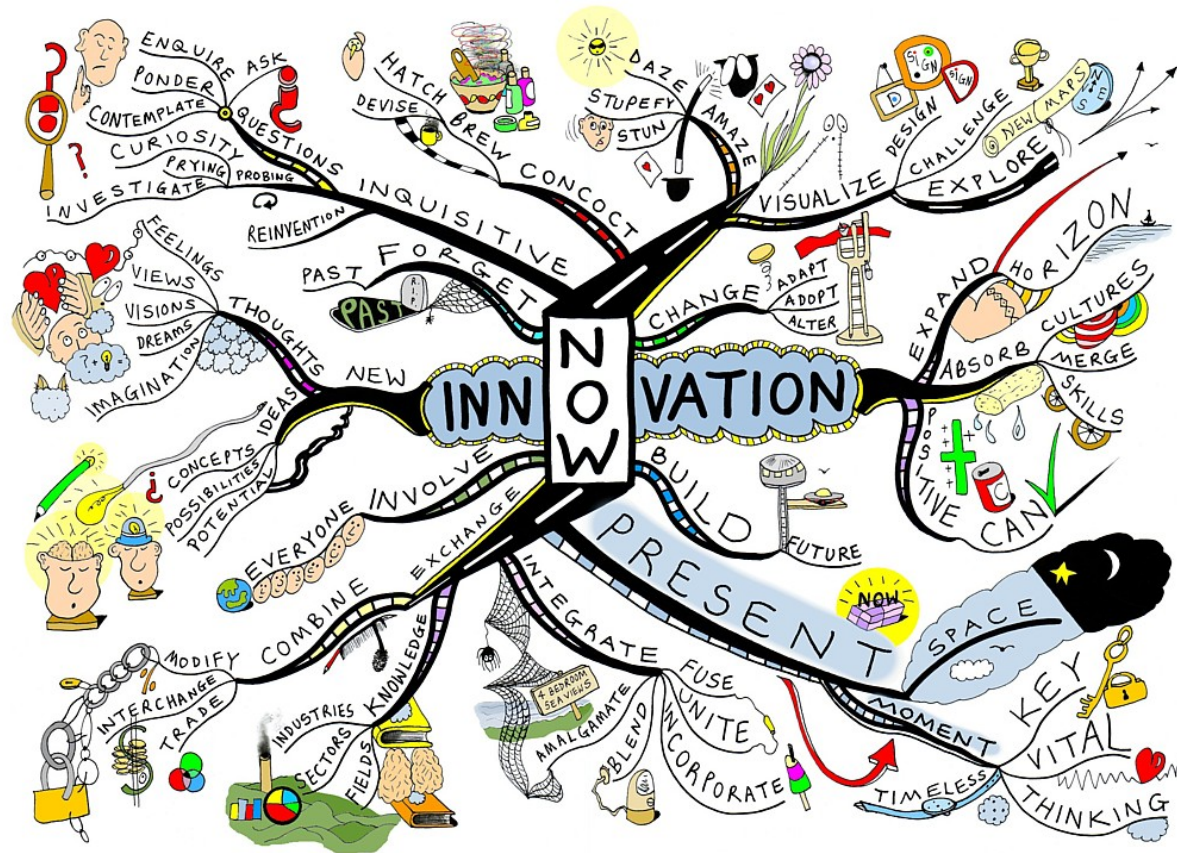
Logistics

- Backchannel:
 - Go to <http://www.downes.ca/chat>
 - Select **What is Innovation in Education?**
 - OR ---
 - Use Twitter hashtag **#ghent2015**

- Slides: <http://www.downes.ca/presentation/359>
 - OR ---
 - Slideshare: <http://www.slideshare.net/Downes>



Innovation: Some Intuitions



© Paul Foreman <http://www.mindmapinspiration.com>

Inquisitive
Visualize
Expanding
Integrate
New

<http://c21u.gatech.edu/programs/hubs>

Some Themes...

- Connectivism
- Open Online Learning
- Personal Learning



The Meaning and Nature of Innovation

the action or process of innovating.

- a new method, idea, product, etc.

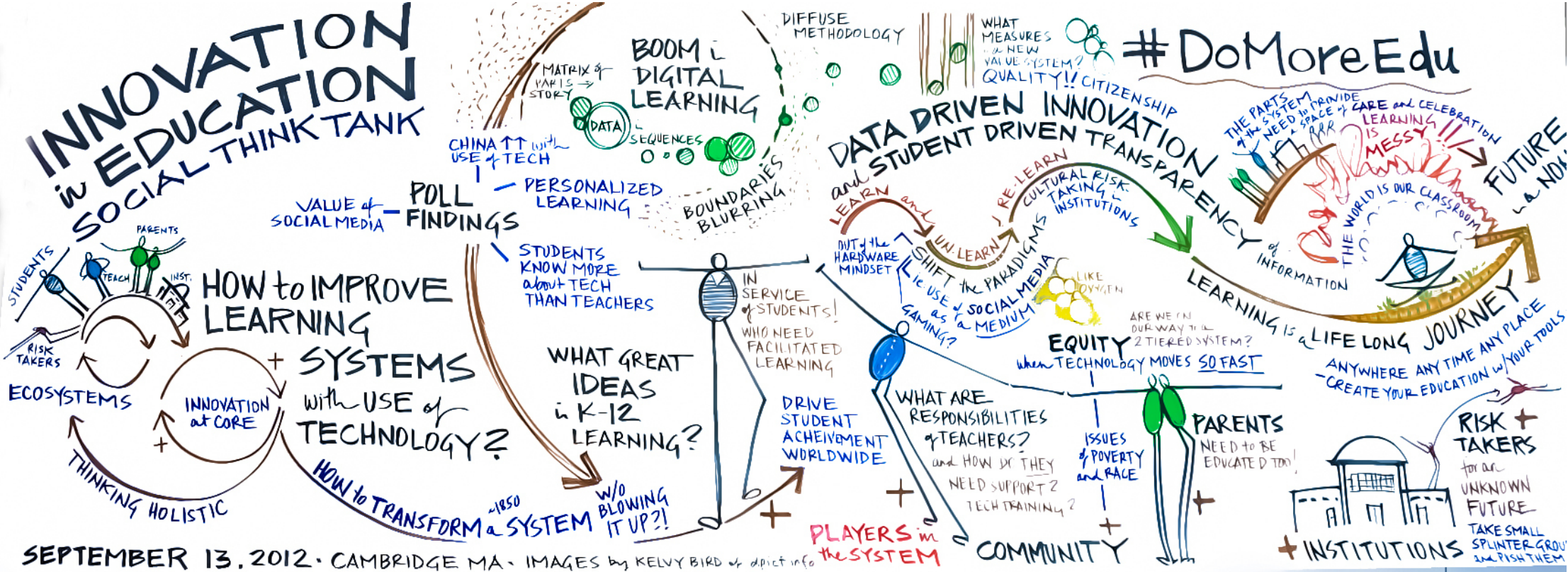
synonyms: [change](#), [alteration](#), [revolution](#), [upheaval](#), [transformation](#), [metamorphosis](#), [breakthrough](#); new measures, new methods, modernization, [novelty](#), newness; [creativity](#), [originality](#), [ingenuity](#), [inspiration](#), [inventiveness](#);

Innovation: A perspective

- The process of translating an idea or invention into a good or service that creates value or for which customers will pay.
- To be called an innovation, an idea must be replicable at an economical cost and must satisfy a specific need.

<http://www.businessdictionary.com/definition/innovation.html>

Innovation: Drivers



<https://edtechdigest.files.wordpress.com/2012/09/innovation-in-education-social-think-tank-by-kelvy-bird.jpeg>

- Cause (push) and need (pull)
 - Cause: price pressures, digital technology, social media, globalization, change <https://morethanaminute.com/the-six-drivers-of-innovation-and-change>
 - Cause: talented people, motivating managers, relationships, leaders <http://www.gallup.com/businessjournal/26068/four-drivers-innovation.aspx>
<http://www.newandimproved.com/newsletter/2120.php>
 - Need: growth, sustainability, stability <https://hbr.org/2009/09/why-sustainability-is-now-the-key-driver-of-innovation>

The Benefits Model

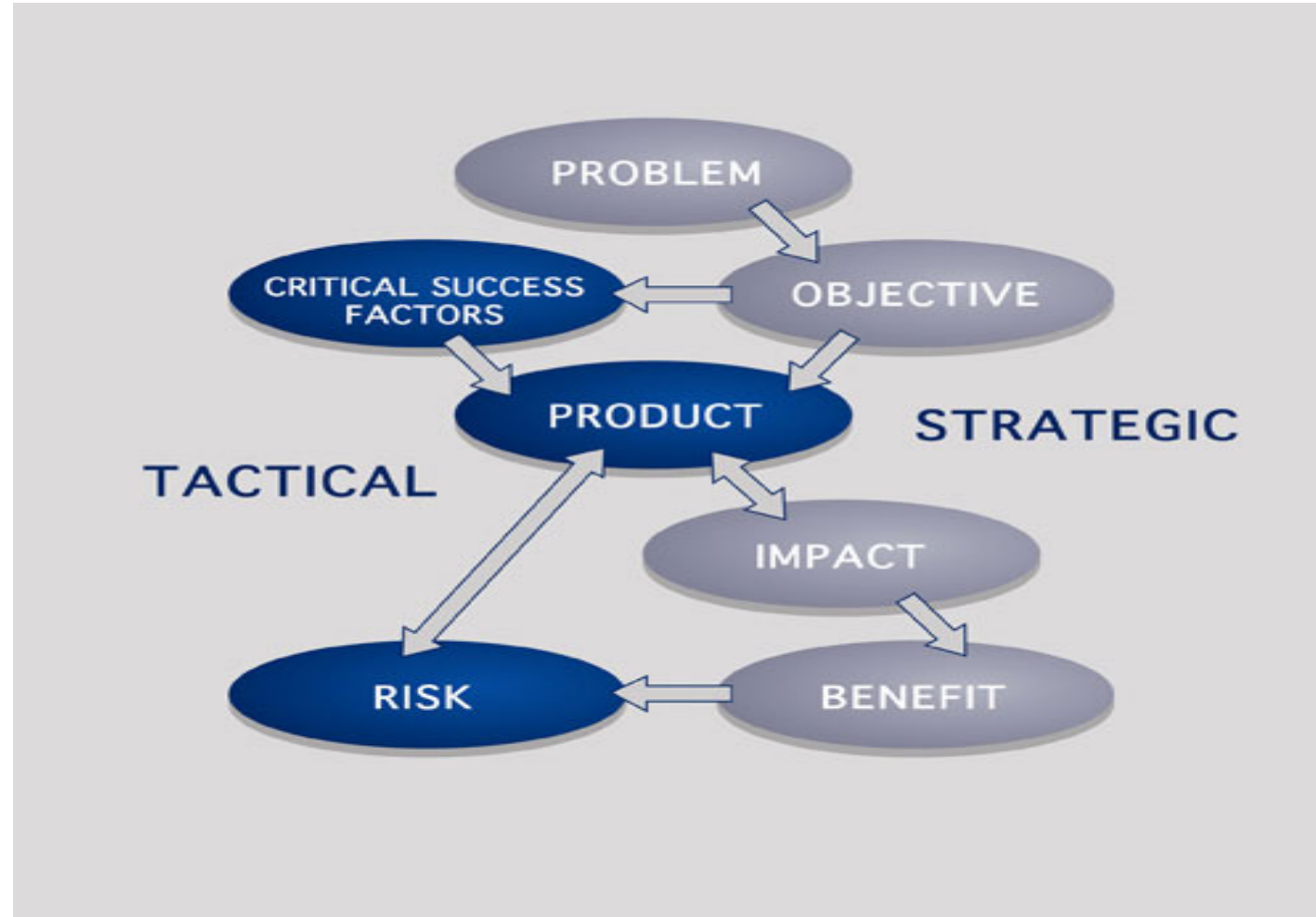
Need

Value

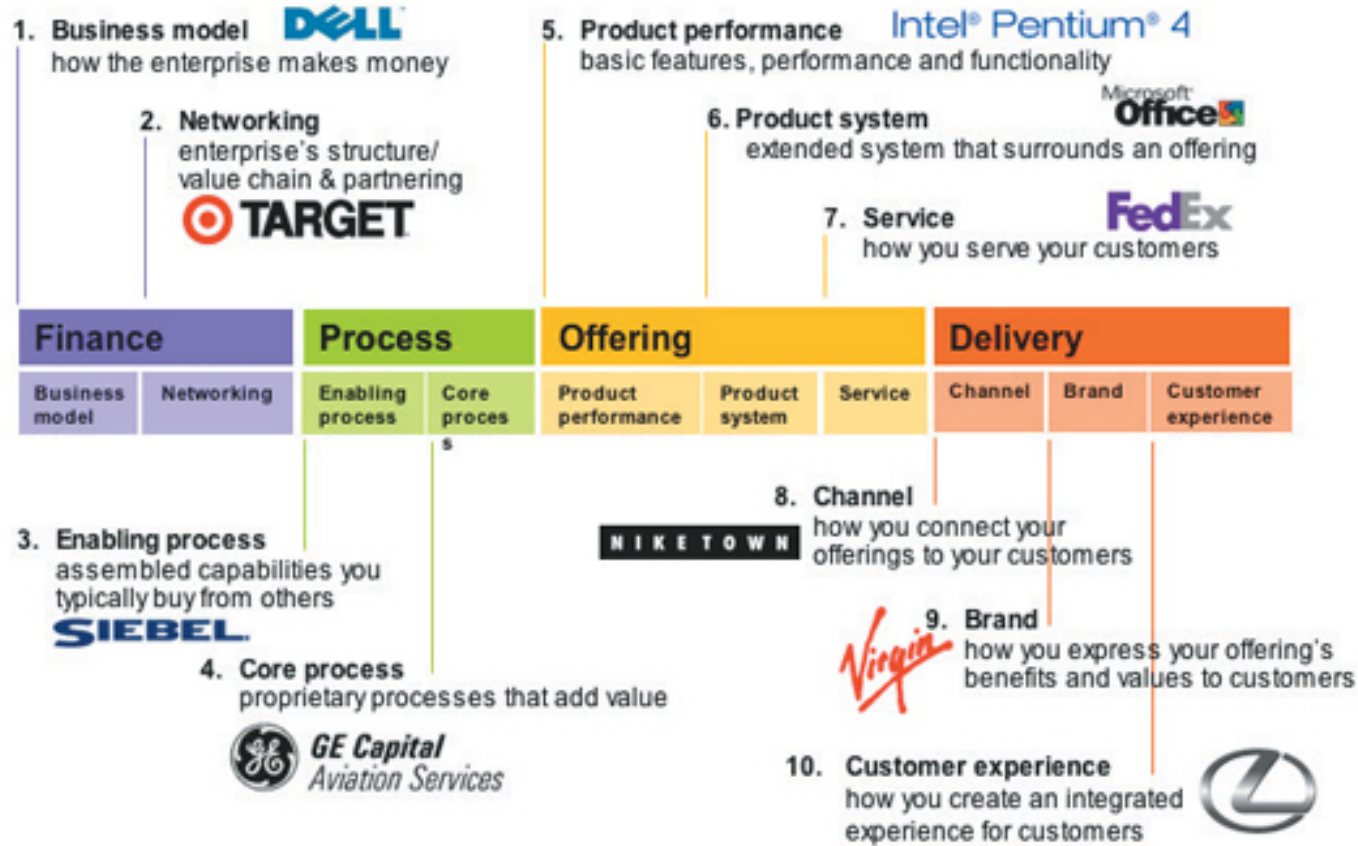
Impact

Risk

Benefit



Aspects of Innovation



Finance

Process

Offering

Delivery

Impact

Innovation in Economy

- Charter Schooling
- Learning Marketplace
- Open Learning
- Unschooling / Chaos Pilots



Innovation in Technology

- Learning Management Systems
- Learning Objects
- Adaptive Learning
- Learning Analytics



Innovation in Pedagogy

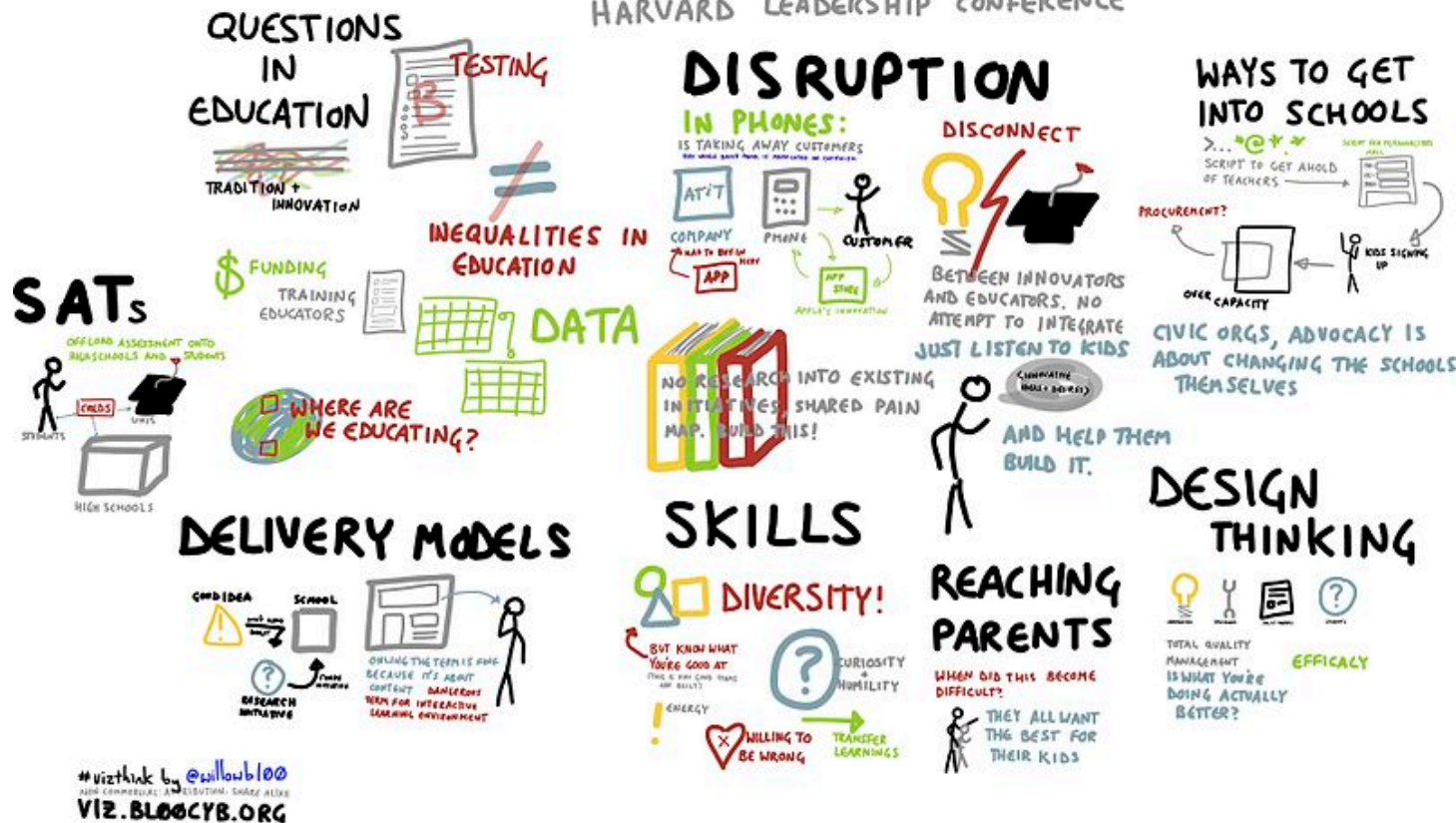
- Liberation Pedagogy (Friere)
- Deschooling (Illich)
- Social Networks in Learning
- Online Communities
- Unschooling / MOOC



What Constitutes Progress?

EDUCATION INNOVATION

HARVARD LEADERSHIP CONFERENCE



Skills

Disruption

Design

Test Scores

Career

What Constitutes Retrenchment?



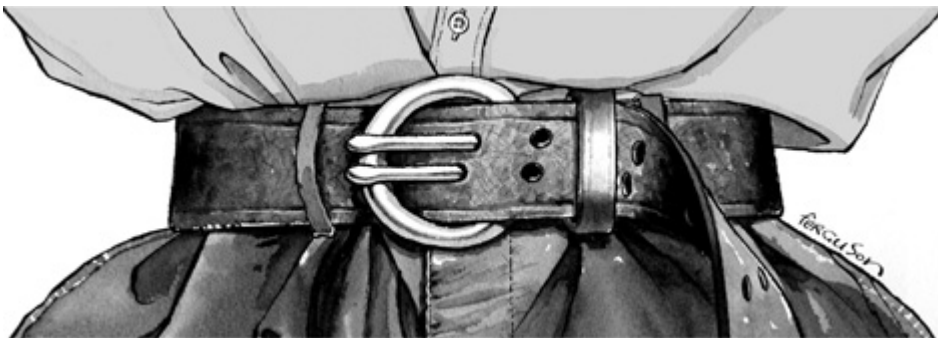
Product

Profit

Traffic

Margins

Austerity



The Way Forward (Larry Keeley)

- Think big and ***stand in the future***...Focusing too tightly on the status quo will force failures
- Prototype a ***compelling model solution***...Not because you will get it right, but instead because it is a shared idea
- ***Co-construct, co-construct, co-construct***...All of us are smarter than any of us; don't be exclusionary

- Avoid **central control**...It doesn't work, it is woefully out of date, modern systems don't need it
- Start with what you have now...You will not ever have perfect conditions, so be **adaptive** and **modular**
- Foster integrated **platforms, not products**...not just what we do, but how we do it, so that many independent participants can participate in the solution

<http://education4opportunity.com/national-education-innovation-summit>



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