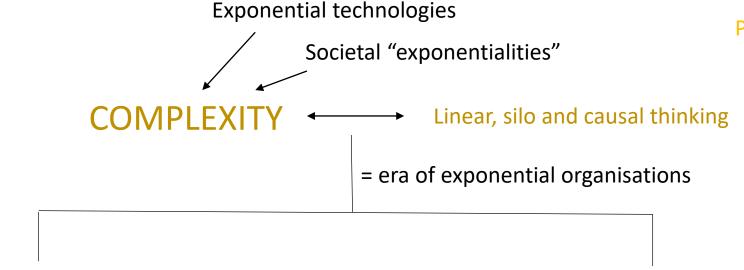


Onze exponentiële wereld:

Wie orde zaait zal chaos oogsten

Prof Walter Baets, PhD, HDR



ORGANISATIONS (companies)

Collective Intelligence

EDUCATION AND RESEARCH

Eco-systems

INDIVIDUALS

Comfortable in complexity
Networked
Systemic
Engaged
Values/purpose/meaning
Agile innovation

We cannot continue to find remedies for the symptoms, we need to work on the causes

The next new skill set will not help us

TRANSFORMATION: from linear to complex



We do what we have always done, and we get what we always got

We cannot innovate, we re-search

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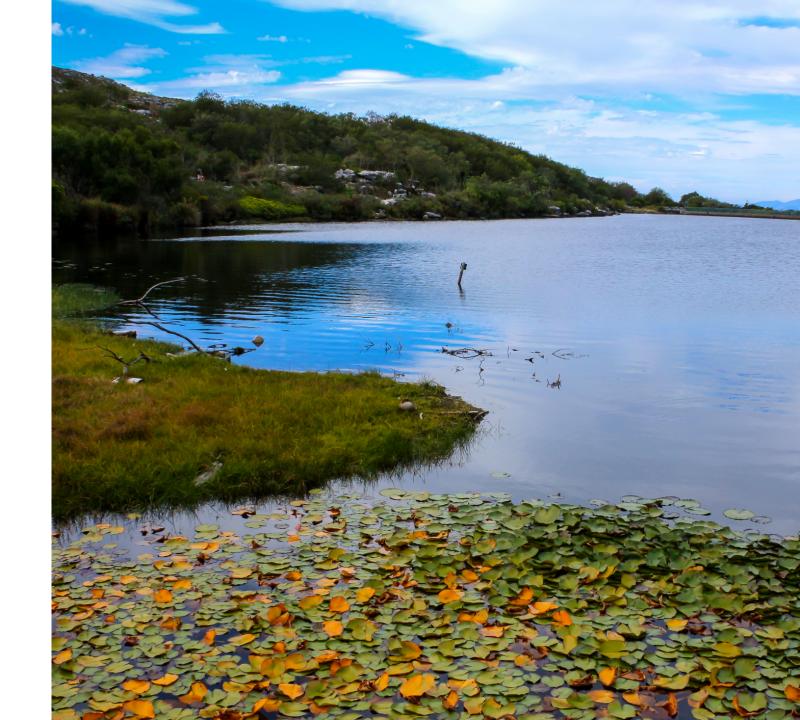
Flatland: Edwin Abbott, 1884

A. Square in search of the third dimension



Wanderer, your footprints are the path, and nothing more.
Wanderer, there is no path, it is created as you walk.
By walking, you make the path before you, and when you look behind you see the path which after you will not be trod again.
Wanderer, there is no path, but the ripples on the waters.

ANTONIO MACHADO



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Alice in Wonderland





A very great musician came and stayed in our house
He made one big mistake...
He was determined to teach me music and consequently, no learning took place.
Nevertheless, I did casually pick up from him a certain amount of stolen knowledge



Learning and the learning organisation

The signature of co-creation

Consciousness (awareness)

PRINCIPLES OF MANAGEMENT AS A LEARNING LAB

It is about transformation, and transformation takes time

Transformation, and therefore innovation, needs personal commitment (you need authentic leaders)

Learning by doing (learning and doing go hand in hand; learning without doing, and doing without learning won't work)

Learning within a diverse eco-system (collective intelligence)

Peer-learning and peer coaching (co-creation and feedback loops; collective intelligence)

Self-designed and individualised learning (learning contract and learning log)

Design thinking enriched with systems thinking (there is no path, you lay down the path in walking)

Systems are:

- Dynamic
- Tightly coupled
- Governed by feedback
- Nonlinear
- History dependent
- Self organising
- Counterintuitive (a-causal)
- Policy resistant (little and adverse impact)
- Characterised by trade-offs (long versus short term)



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Artificial life research / Interacting agents (John Holland; Chris Langton) The mechanism of collective intelligence

- Self-organization of bees
- A soccer game
- An orchestra/jazz/flamenco
- The role of autonomous agents
- Artificial Neural Networks
- Agent Based Simulations

The conditions for collective intelligence to work (the soccer metaphor)

- Are all players good (not necessarily excellent)?
- Is the playing field correctly defined?
- Do all players share the same goal?
- Did we agree on a minimum set of interaction rules?
- The role of the coach, trainer, conductor

Complexity, organisations and learning: a quantum interpretation of business Routledge, 2006

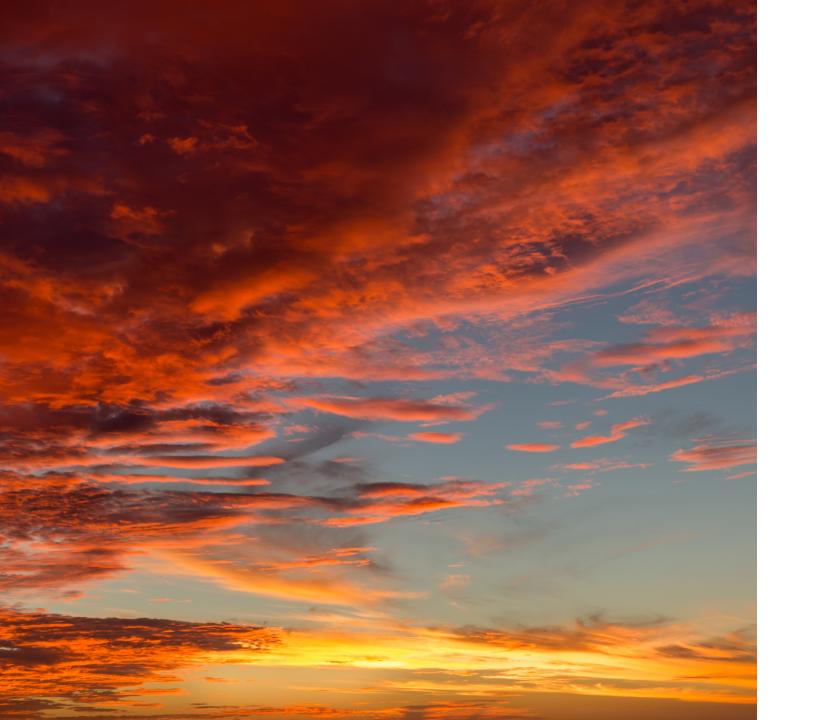
Rethinking growth: social intrapreneurship for sustainable performance
With Erna Oldenboom
Macmillan Palgrave, 2009

Values Based Leadership in Business Model Innovation With Erna Oldenboom Bookboon, 2013 http://bit.ly/wbvblibi

Une Interprétation Quantique de l'Innovation Editions Universitaires Européennes, 2017

http://gsbblogs.uct.ac.za/walterbaets





If you want to build a ship, call people together and give them a desire for the endless sea

Antoine de Saint-Exupery