

Paul Turner

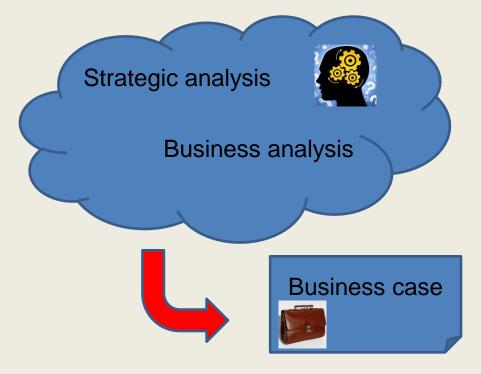


Minsk 25th May 2012



The breadth of Business Analysis







Requirements engineering



Solution development



The breadth of Business Analysis





Business Architecture



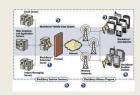
Systems Thinking







Systems Modelling







Requirements engineering



Solution development





Systematic approach v systems thinking



Systematic approach

Divide each difficulty into as many parts as is feasible and necessary to resolve it.

Rene Descartes

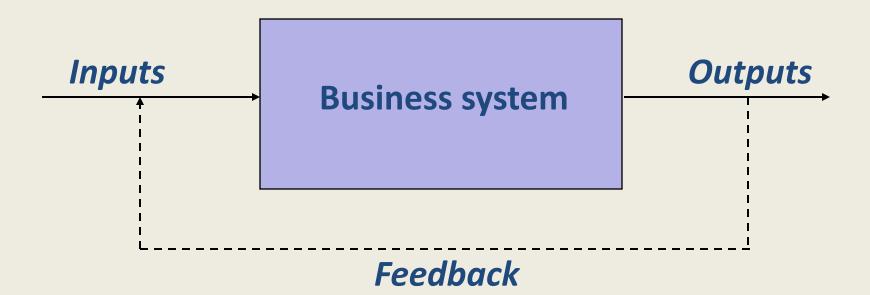
Systems thinking (systemic)

A discipline for seeing wholes.

Peter Senge

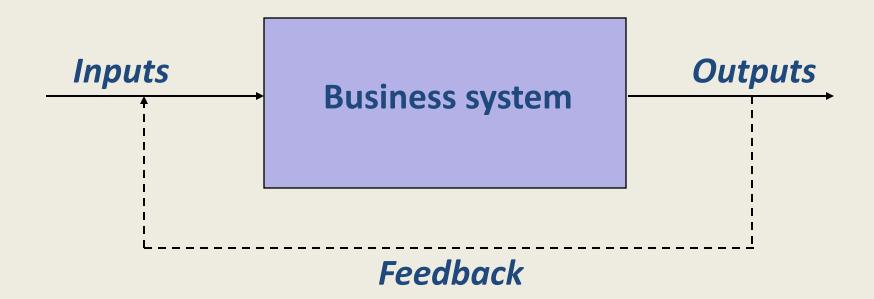












Systems have feedback loops and the system must react to this feedback













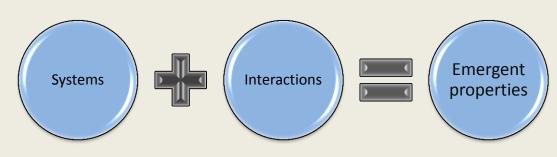


Emergent properties of systems



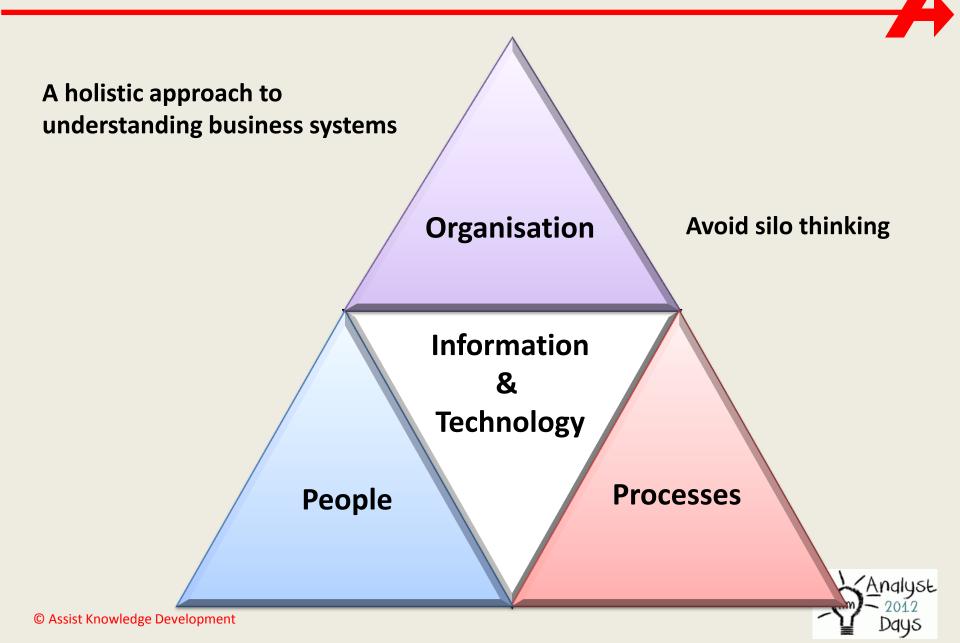


Characteristics that emerge from the system as a whole rather than just by adding up the characteristics of the parts.





POPIT™ – taking a holistic approach



Can you see the whole picture?



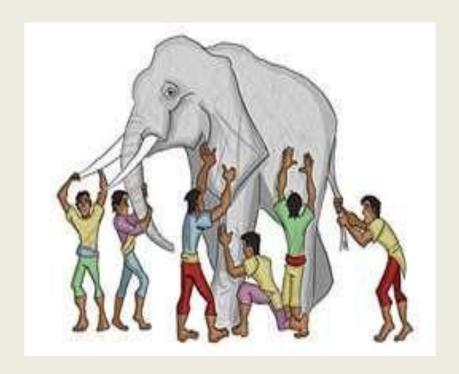


The story of the six blind men



Can you see the whole picture?





The story of the six blind men

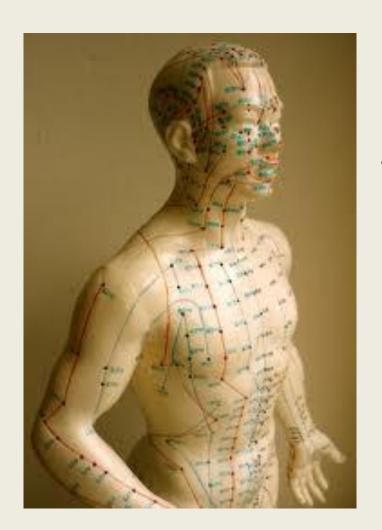
Or is it seven?





Systemic change





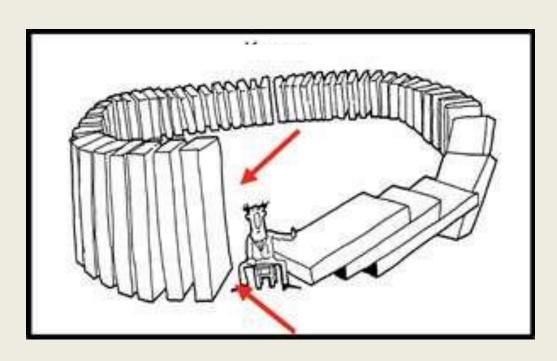
Systemic change is one where the impact of any change is considered in respect of the whole ,and the relationships between the individual parts to one another

See the bigger picture



Cause and effect





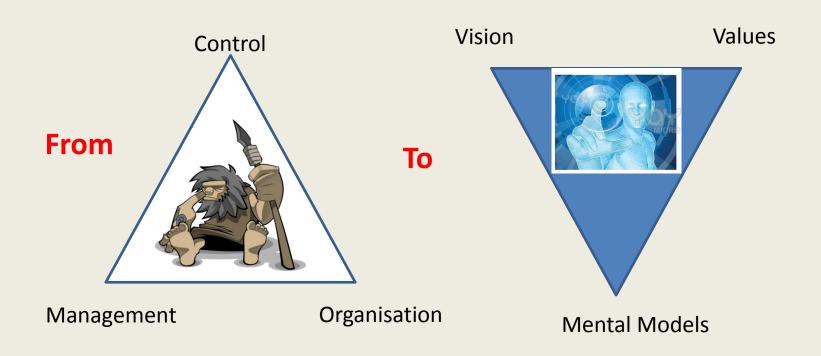
The solution to one problem may cause another bigger Problem

We may act to produce short term benefits leading to long term costs



The basic disease of the hierarchy







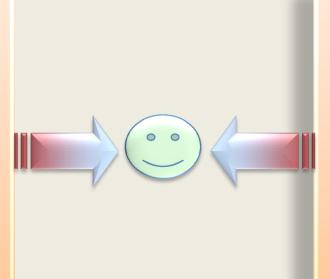
The customer viewpoint...



The organisation



Customer focus



The customers

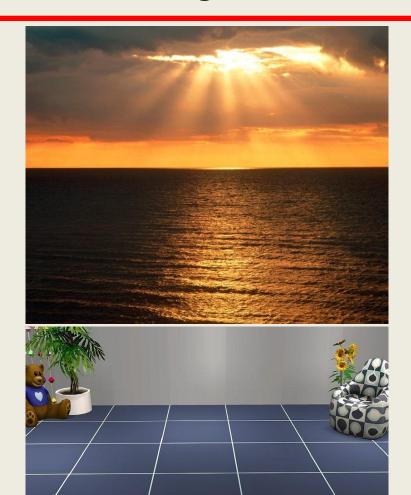
Needs

Expectations



High level vision or detailed inspection





We need to get a balance between a long term vision of a possible future

. and the reality of the detail of the current situation.



Clarity of Vision





"In every block of marble I see a statue as plain as though it stood before me, shaped and perfect in attitude and action. I have only to hew away the rough walls that imprison the lovely apparition to reveal it to the other eyes as mine see it."

Michelangelo



Mental Model





Systems thinking without mental models is like flying without navigation

It involves:

- Holistic thinking
- Backward thinking



Simplicity and completeness of the solution





"Things should be done as simple as possible – but no simpler"

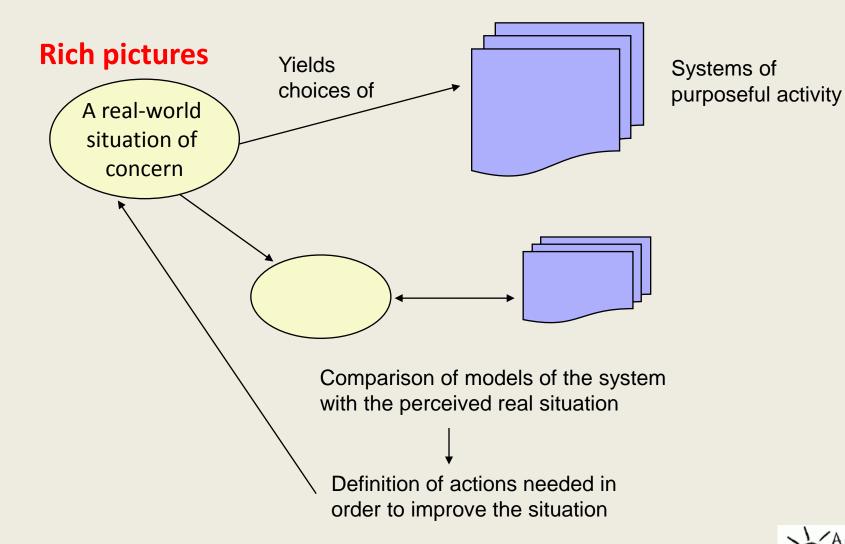
Albert Einstein

Think outside the box. What box?



Soft Systems Methodology





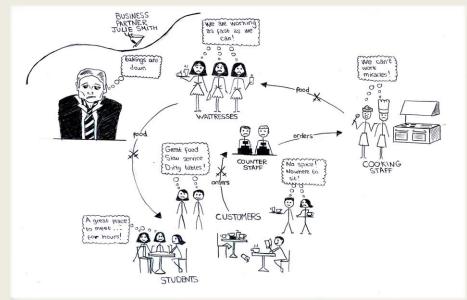


Rich Pictures





A picture is worth a thousand words

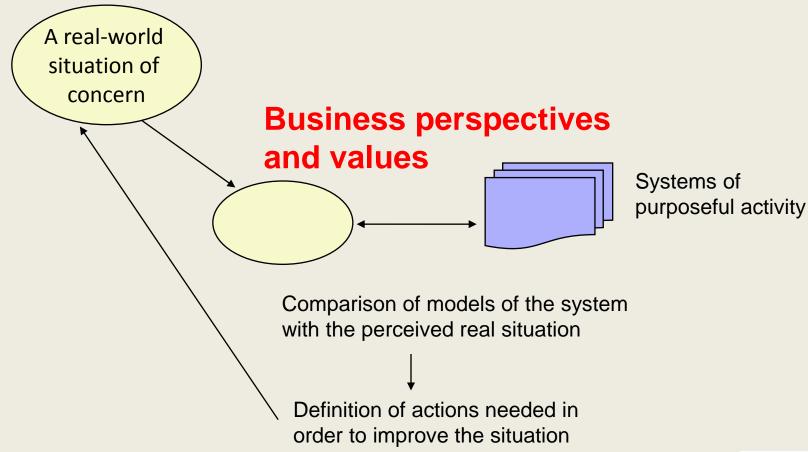




Soft Systems approach



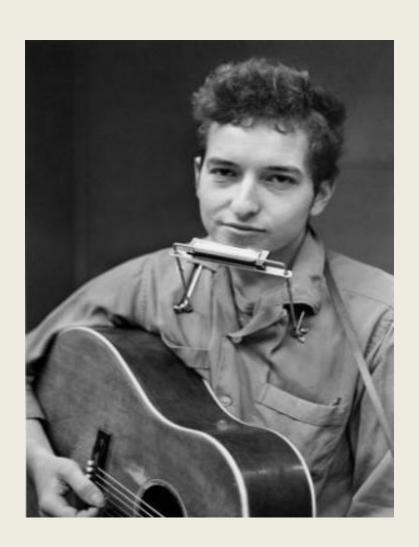
Rich pictures





Business Perspectives and values





You're right from your side and I'm right from mine

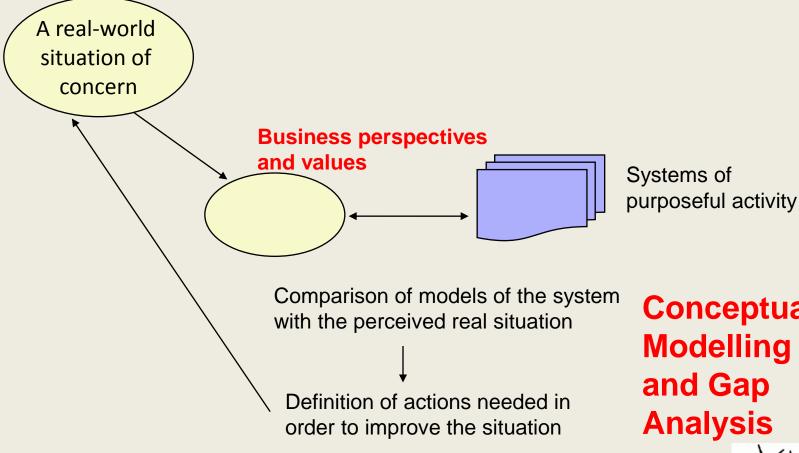
Bob Dylan



Soft Systems approach





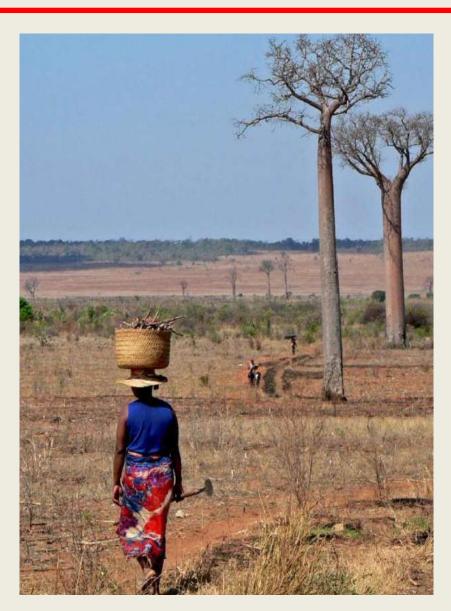


Conceptual Modelling and Gap **Analysis**



Conceptual Modelling and Gap Analysis





Where are we now?



Conceptual Modelling and Gap Analysis



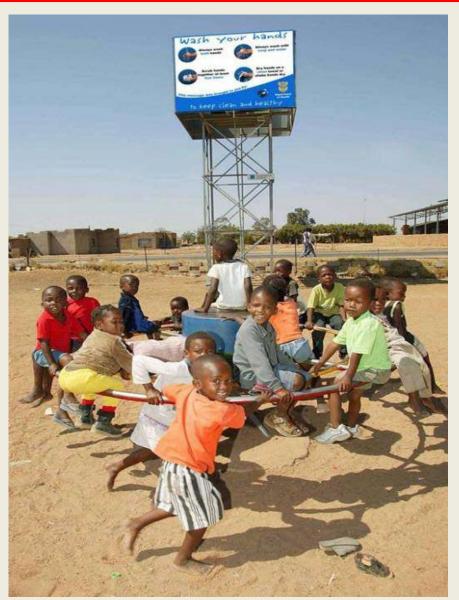


Where do we want to be?



Conceptual Modelling and Gap Analysis





How are we going to get there?

How will we know we have arrived?



Systems thinking - summary

Emergent properties



Disease of the hierarchy



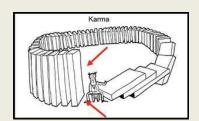


Levels of vision

Clarity of vision



Simplicity and completeness



Cause and effect



Properties of a system



Systemic change



Gap Analysis



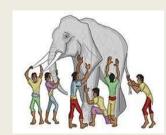
Perspectives and values



Mental Models



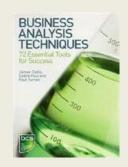
Rich Pictures



Whole picture







Paul Turner



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