

Projects & Sustainability

“Live it - While We Deliver It”

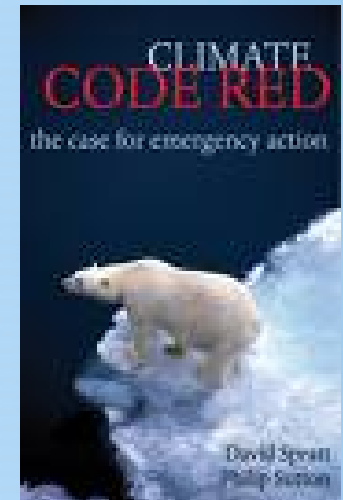
Associate Professor Andrew Wilford



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Introductions

★ Andrew “Wilf” Wilford



Sustainability & Complexity

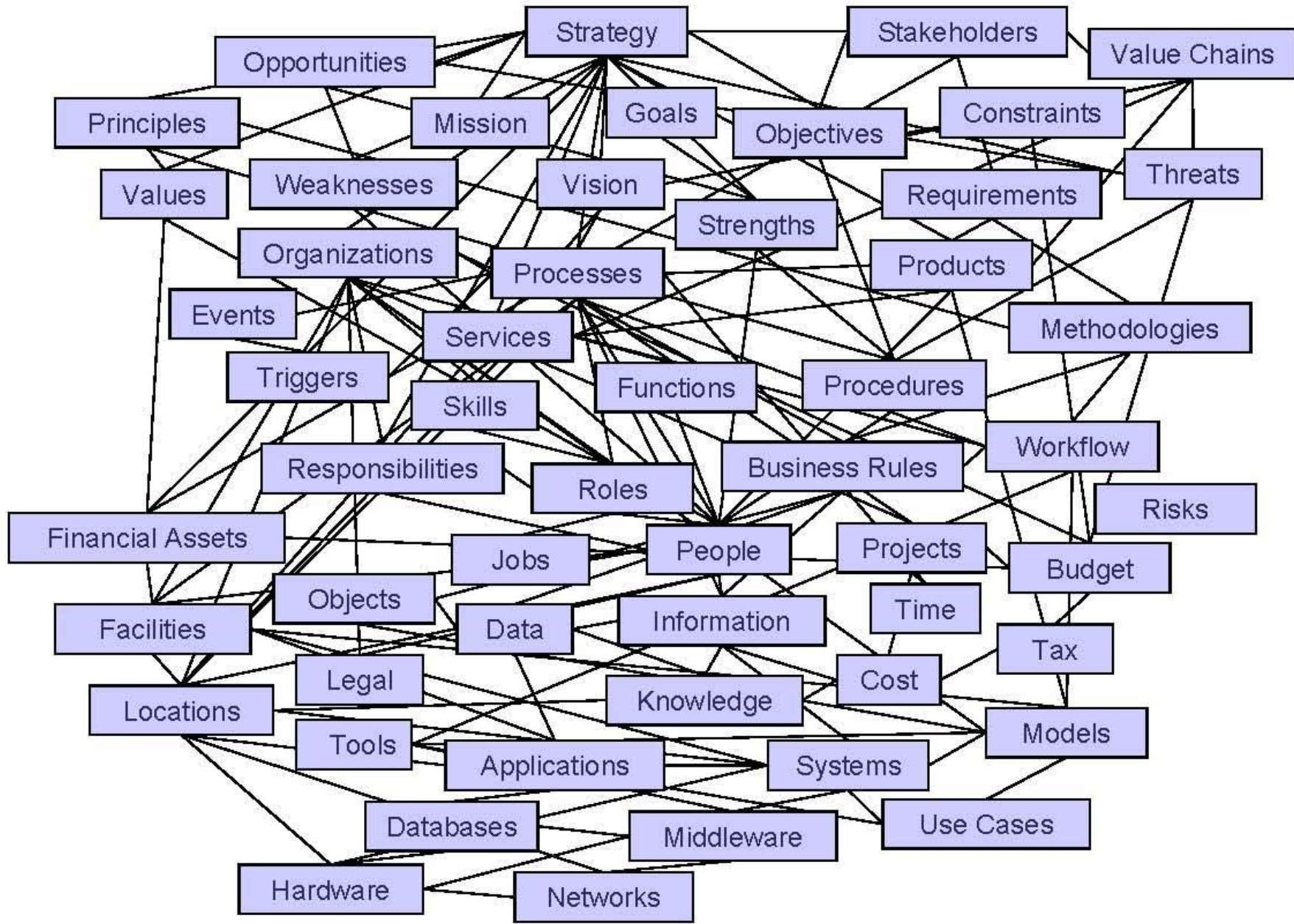


Nature is elegant in its deep simplicity!

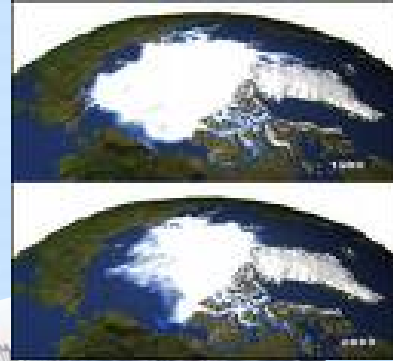
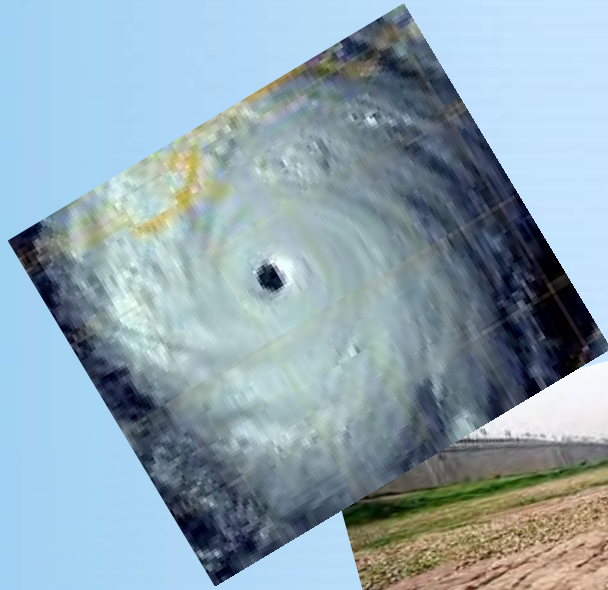
PEOPLE make things complex!



Organization Complexity



Add a bit of this!



And dash of this!

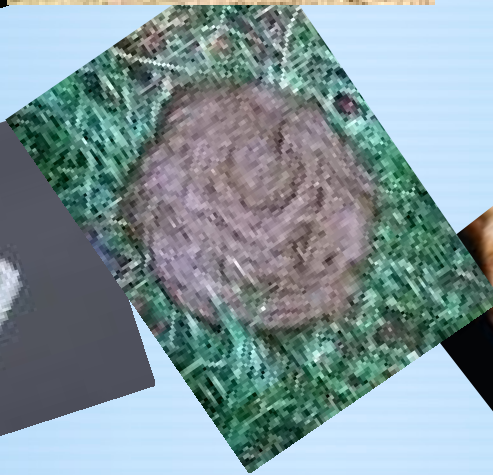




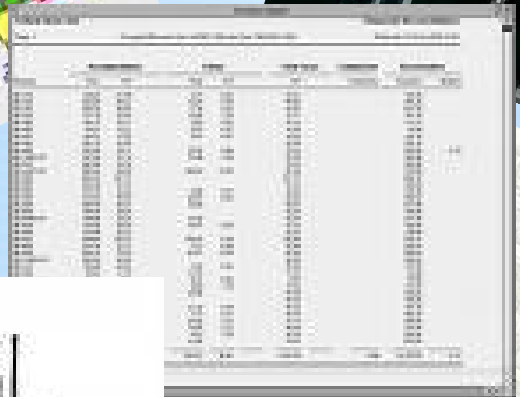
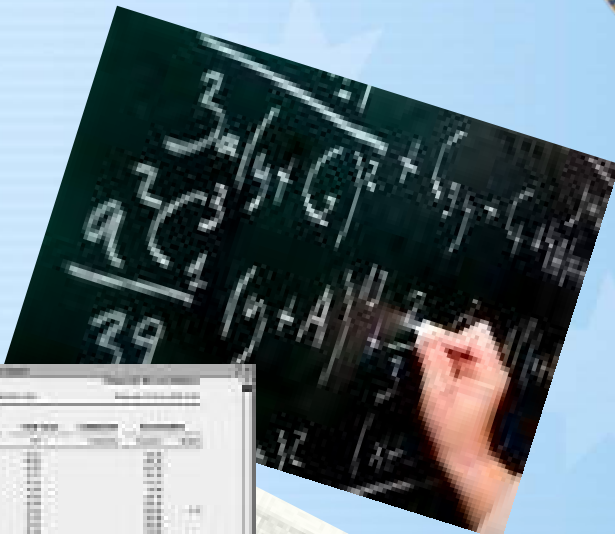
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Is it time for a New Language?

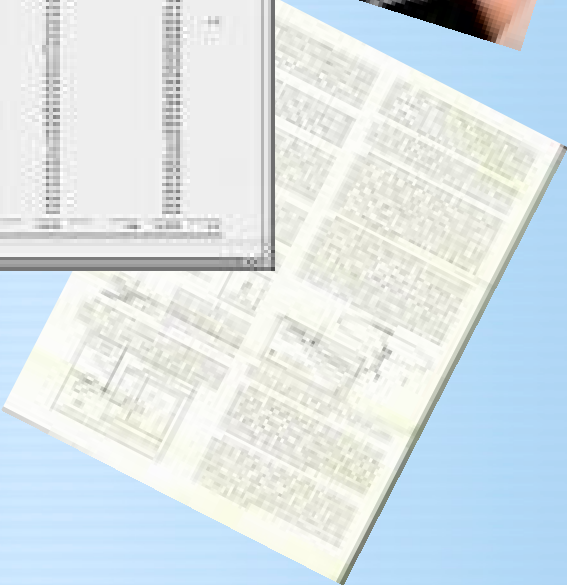
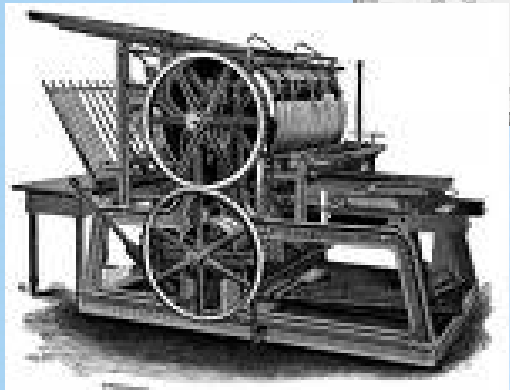
The Agricultural Age



The Industrial Age




























































A screenshot of a data table with multiple columns and rows of text, likely representing a spreadsheet or database record.



Technology Age



The Systems Thinking Age

 PatternDynamics®	Source	Dynamics	Creativity	Exchange	Structure	Polarity	Rhythm
Source  Source	 Voice	 Harmony	 Elegance	 Flow	 Field	 Masculine/Feminine	 Resonance
Dynamics  Dynamics	 Pull-in	 System	 Evolution	 Process	 Hierarchy	 Competition/Cooperation	 Emulation/Imitation
Creativity  Creativity	 Autopoeisis	 Sustainability	 Emergence	 Uniqueness	 Complexity	 Order/Chaos	 Synchronization
Exchange  Exchange	 Power	 Feedback	 Growth	 Trade	 Network	 Flow/Store	 Pulse
Structure  Structure	 Transferability	 Synergy	 Adaptation	 Creation	 Hierarchy	 Input/Output	 Containment
Polarity  Polarity	 Resonance	 Agency/Cooperation	 Differentiation	 Resilience	 Fusion	 Coexistence/Dissolution	 Swing
Rhythm  Rhythm	 Energy	 Iteration	 Seed	 Cycle	 Journey	 Expansion/Contraction	 Repetition

Sustainability

★ A new way of knowing and understanding

•Mechanistic



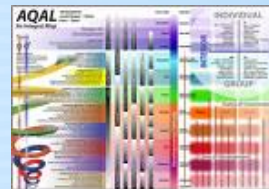
•Organismic



•Socio-political-cultural



•Integral
System



Paradigm Shift

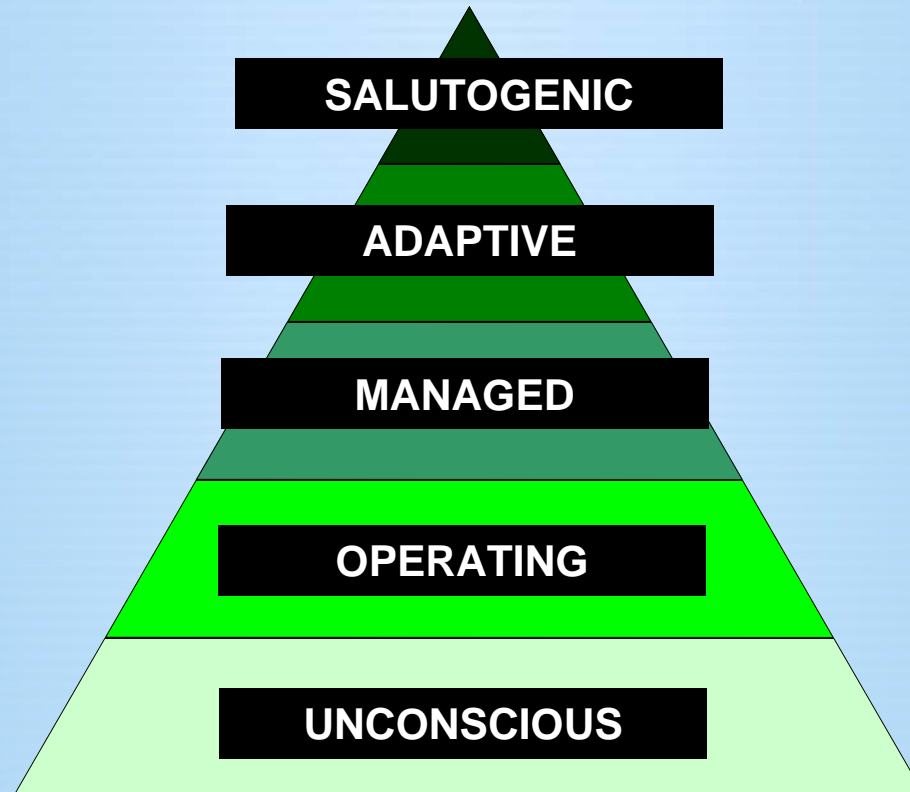


ECOLOGICALLY SUSTAINABLE DEVELOPMENT

OR

DEVELOPMENT of ECOLOGICAL SUSTAINABILITY

A Sustainability Maturity Model?



Learning from the Edge and Beyond



- ★ Community Capacity Development
- ★ Permaculture
- ★ Systems Biomimicry
- ★ Virtuous Cycles – vertical & horizontal exchange

Live It

★ Dr Wendy Sarkissian

- The Eagleby “Active Community Project”



★ Steve Irwin

- Beerwah Local Business and Community Support Program



Why bother?



Why Bother?

- ★ Ecosystem Insolvency
 - A Climate Emergency?
 - Biodiversity decline
- ★ Peak Oil
- ★ The Carbon Market – Trading Out of Insolvency
- ★ Growth, growth and more growth!



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What on Earth has this
got to do with Project
Management?



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Interesting Reading



- ★ Climate Code Red – David Spratt & Philip Sutton
- ★ Climate Wars – Gwynne Dyer
- ★ Now or Never – Tim Flannery
- ★ A Pattern Language – Christopher Alexander
- ★ Kitchen Table Sustainability – Wendy Sarkissian
- ★ The Natural Advantage of Nations -TNEP



Questions?

Disagreements?

Stories?