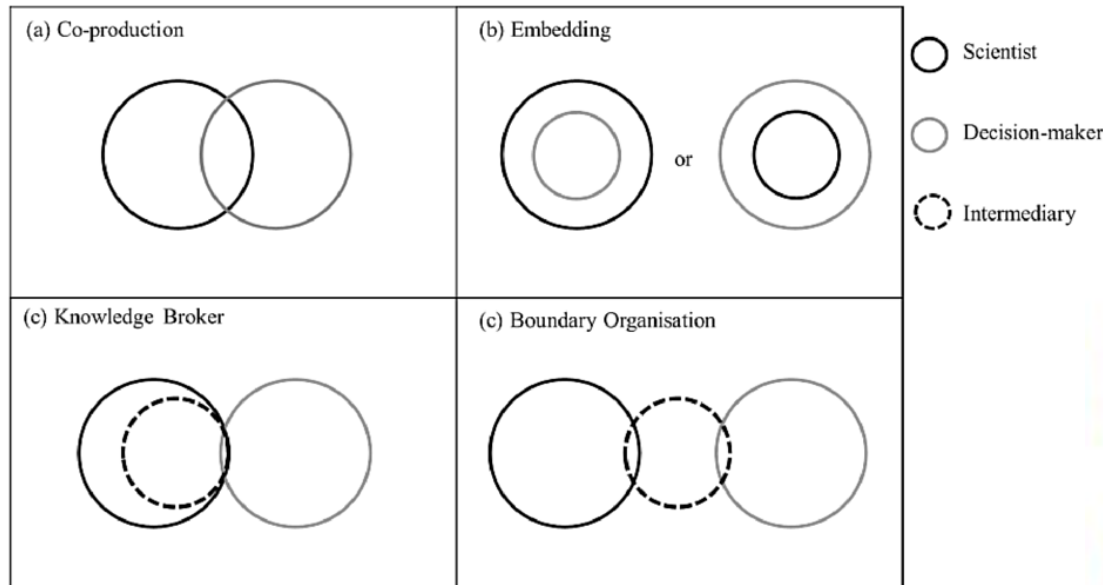


# Co-production and climate services

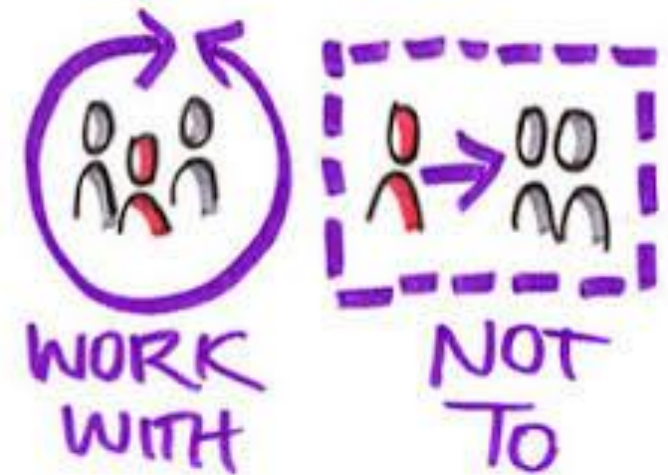
Katharine Vincent and Alice McClure

[katharine@kulima.com](mailto:katharine@kulima.com); [alice@csag.uct.ac.za](mailto:alice@csag.uct.ac.za)

# Co-production: method of post-normal science

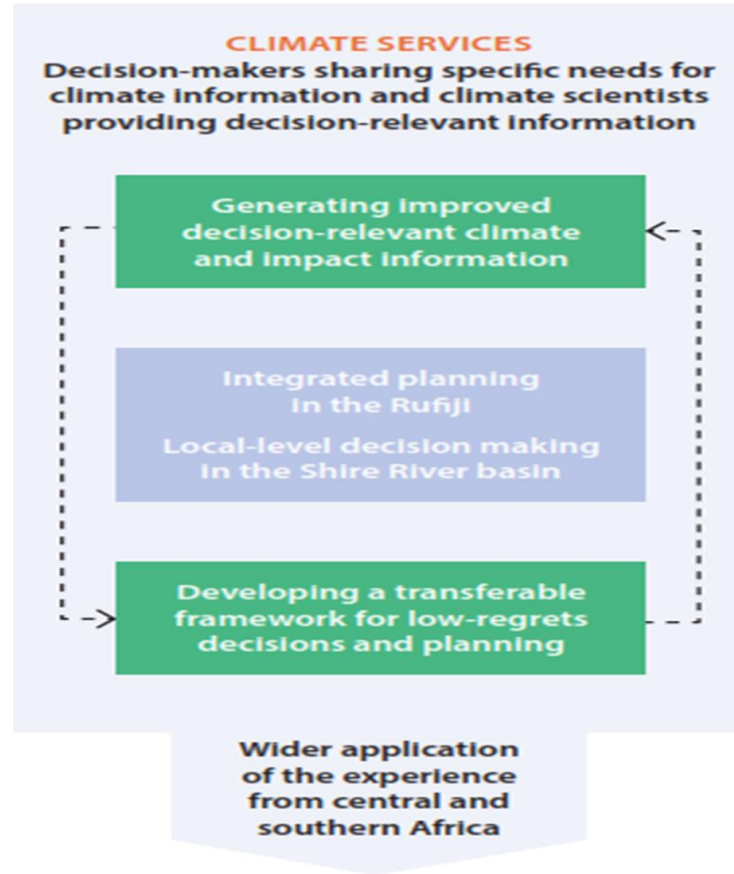


Source: C. Cvitanovic, A.J. Hobday, L. van Kerkhoff, N.A. Marshall, Overcoming barriers to knowledge exchange for adaptive resource management: the perspectives of Australian marine scientists *Mar. Policy*, 52 (2015), pp. 38–44



Source: [www.volition.org.uk](http://www.volition.org.uk)

# Uncertainty reduction in Models For Understanding development Applications – UMFULA



# Future Resilience for African CiTies and Lands - FRACTAL



UNIVERSITY OF BOTSWANA



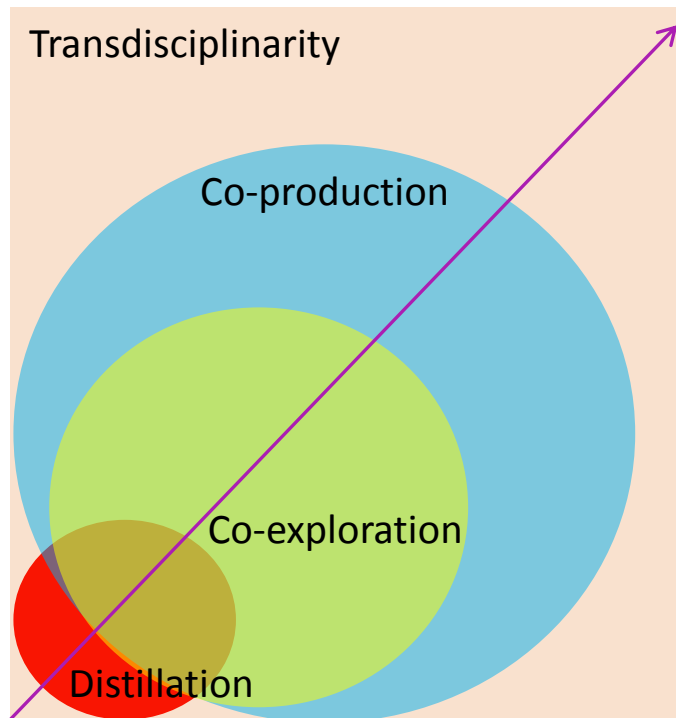
UNAM  
UNIVERSITY OF NAMIBIA



CITY OF CAPE TOWN



## Four key terms for FRACTAL





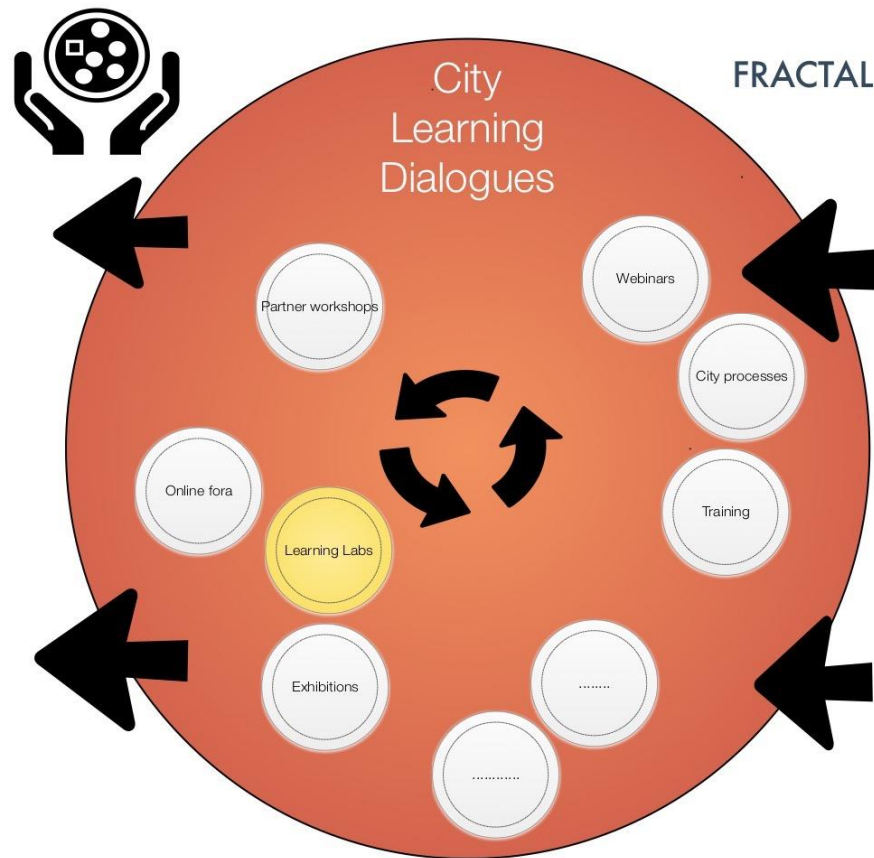
# Trust and building relationships



# Social learning: theory and practice



# Social learning: theory and practice

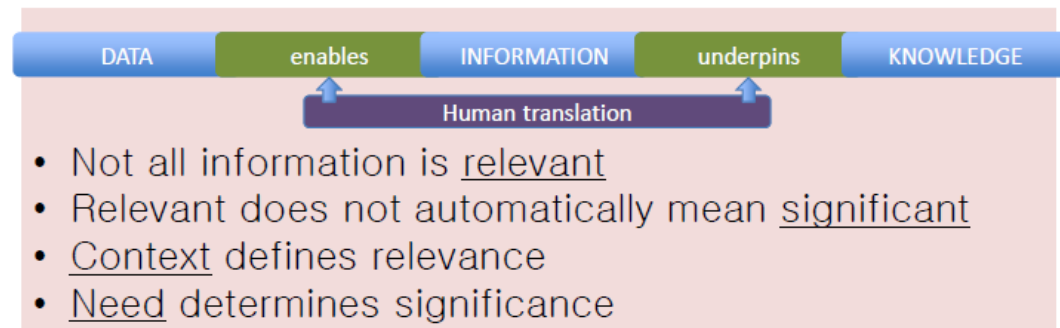




# New approach to capacity building







You can see the trees and the road ... is it enough to make decisions?

## The strength of the answer is in how well we pose the question

- Will he throw it?
- In which direction?
- How hard?
- How accurate?
- Am I exposed?
- Does it matter?
- What are the consequences?
- Can I take avoidance measures?
- What disaster risk management?
- Do you have a towel?



After Hewitson 2016

# Learning so far...

- Identifying the right people, then building trust and relationships is essential – but time-consuming
  - Patience and negotiation to overcome resistance
  - Difficulty of predicting rate of progress (M&E)
- Social learning requires
  - Commitment from all parties
  - Openness and willing to see others' viewpoints
- Huge rewards in effective co-production
  - At individual level
  - Hope to also see at systemic level (watch this space!)

- Learning priorities and contexts are different from one city/region to the next
- Terminology (common understanding/language) is very important
- “Big plans” are made in the office/behind a computer... going to a place and engaging with people on the ground changes perspectives/priorities
- Acknowledging the importance of ongoing dialogue, the value of well-structured interactions is immeasurable