



TANGO-W

Transformative capacity in energy-food-water

What is Urban Transformative Capacity and why does it matter for sustainability in your city?

Dr. Doris Wilhelmer

Welcome

"Urban transformations form a central challenge for enabling global pathways towards sustainability and resilience."

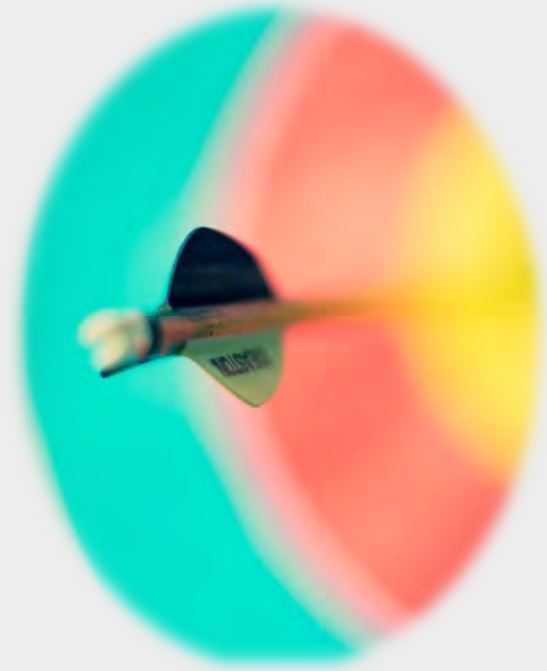
(Marc Wolfram)



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GOALS

- Urban Transformative Capacity (UTC) → Definition UTC
 - Success Criteria for Change → Marc Wolfram
 - Why context governance and what is it for?
 - Transformative Governance instruments supporting context governance
 - Similarities between transformative researchers and civil servants
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What is UTC?

The fundamental ability of systems (e.g. cities) to address and adapt to climate change challenges and their impacts. Enables systemic change and transformative adaptation. Facilitates fundamental changes and the potential to establish new systems or ways of operating.
(Marc Wolfram)

Urban Transformative Capacity (UTC)



Transformation

10 components of UTC

Wolfram's Framework

(C1) analysis of governance spaces ————— Initial Situation & CONTEXT

(C2) leadership processes (civil servants/ ROs)

(C3) empowered communities of practice/ actors

(C4) systemic awareness

(C5) visions and foresights experimentation

(C6) CoP Experiments

(C7) Innovation Embedding

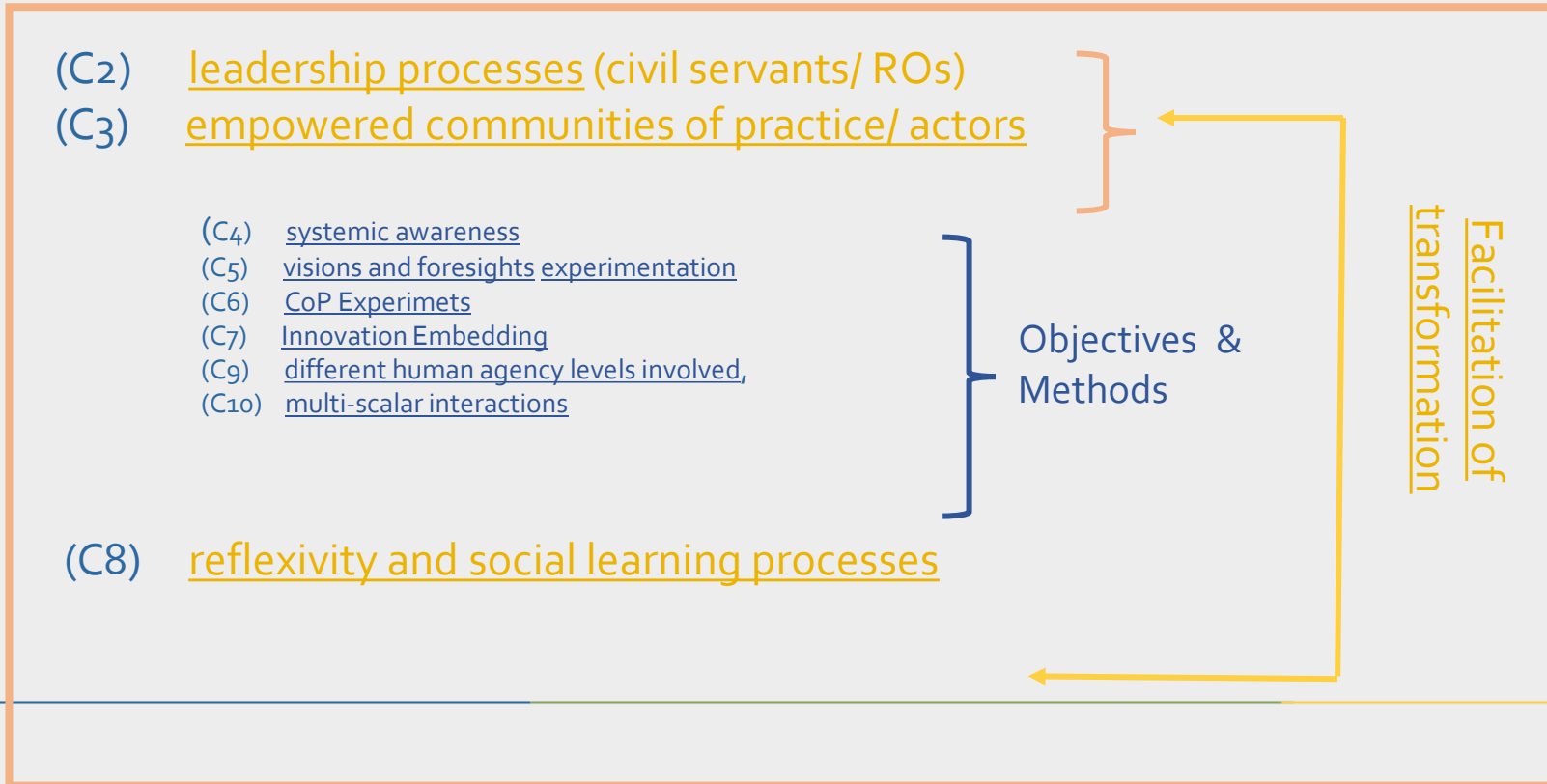
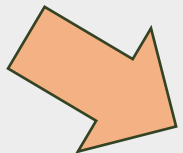
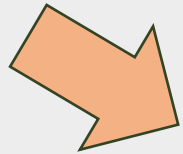
(C9) different human agency levels involved,

(C10) multi-scalar interactions

Objectives & Methods

(C8) reflexivity and social learning processes

Facilitation of transformation



Wolfram's success criteria of local transformation projects



Wolfram's success criteria for transformative projects

- Need for change,
- Political will to implement change,
- Definition of desired outcomes,
- Holistic - transdisciplinary approach
- Long-term planning,
- Clear medium-term and short-term planning,
- Collaboration between all stakeholders,
- Equal access to resources for all,
- Investment in infrastructure and public services.

TANGO—W GOOD PRACTICE PLAYBOOK, PAGE 5 (SOURCE: WOLFRAM, M & FRANTZESKAKI N. 2016).



Preconditions for transformative research

→ Tango-W Success criteria



- (1) Sustainability as an intervention function
- (2) Transdisciplinarity
- (3) Solution-orientation
- (4) Process orientation instead of individual events
- (5) 2nd order cybernetics



THANK YOU!



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