

Integrated framework for implementing pathways

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Centre for Environmental Change and Human Resilience







Climate change changes everything

Meeting goal of 1.5°C

= significant change

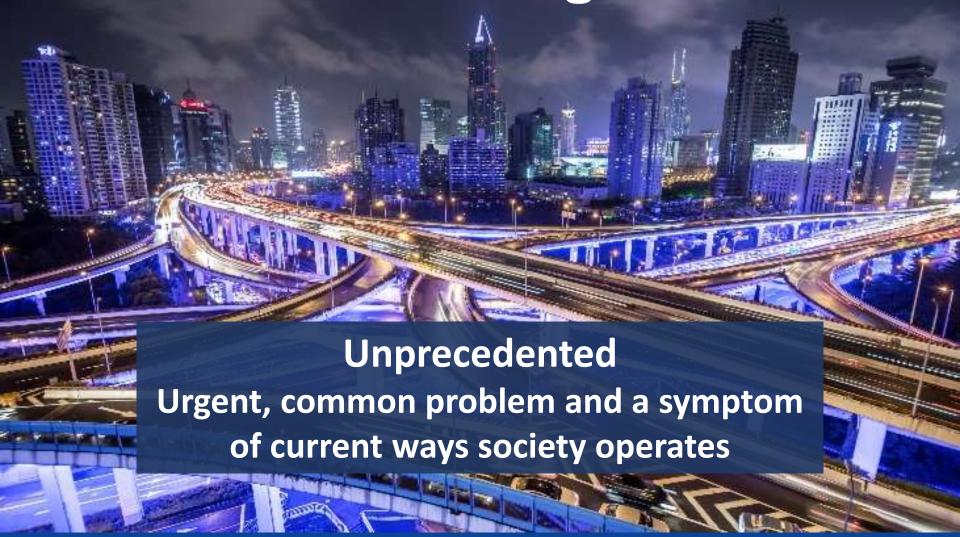
Not meeting goal of 1.5°C

= significant change





The climate challenge









Implementing emissions pathways is all about change...

Three broad focal areas:

Understanding the problem

What needs to change?

Identifying solutions

In what way does change need to happen?

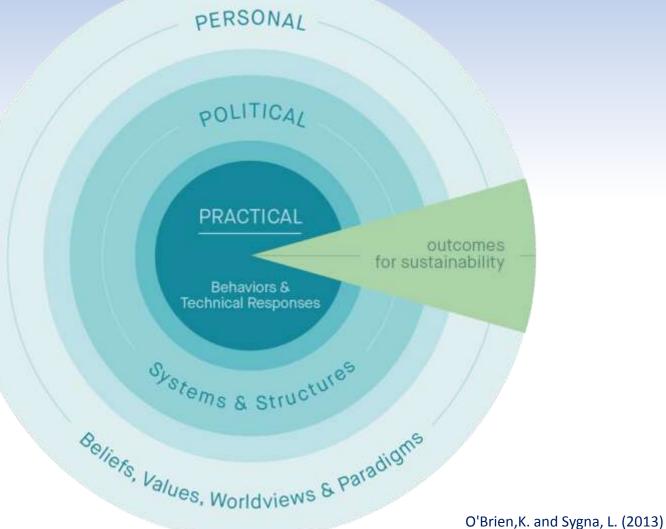
Putting solutions into practice

How to facilitate change?





to change?

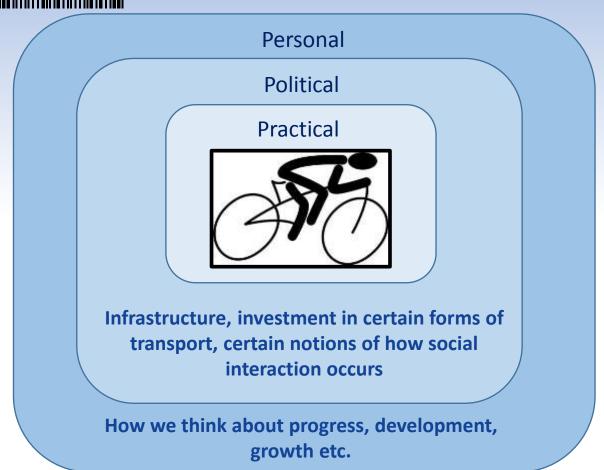








changing mobility patterns Example:



Spaargaren, G. (2011) Theories of practices: Agency, technology, and culture. Global Environmental Change 21, 813-822.

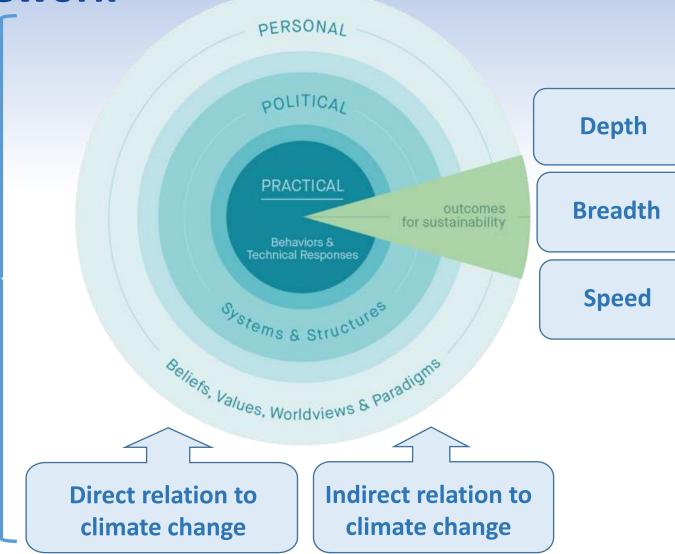


Shapte Framework

What needs to change?

In what way does change need to happen?

How to facilitate change?





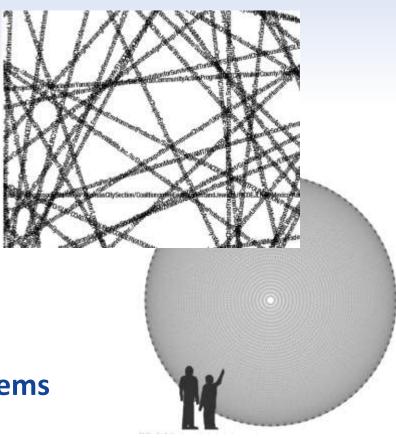




Change is already happening...

- Mega trends
- Values, worldviews
- Di-vestments and finance
- Social movements
- New solutions, innovations and ways of doing things

Much of this is emerging from the multiple actors, often inhibited or reinforced by larger structures, systems and politics









What do we know about:

- Current social/value trends?
- Enabling conditions?
- Policies to practice?
- Opportunities and trends?
- Leverage points for change?
- Collective action?
- Conflict resolution?
- Influence of historical legacies?
- Communications and change?
- How to be creative?
- How to get people talking about CC?
- Large scale system change?

Business and Management

Finance & Economics

Futures

Political science

Human geography

Psychology

Art

Design

History

Law

Sociology

Mathematics

Education

Communication

Evaluation







Intentional change...

Understanding the problem

What needs to change?

Identifying solutions

In what way does change need to happen?

utting solutions into practice

How to facilitate change?





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Tools

Practices

Processes

Generic to change

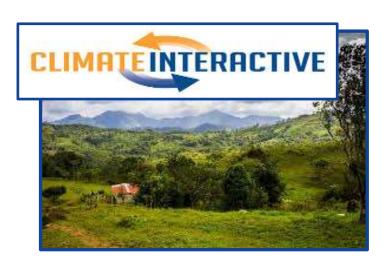
Specific to climate change

Theory U

Otto Scharmer



Image by: Umberto Santucci, www.umbertosantucci.it

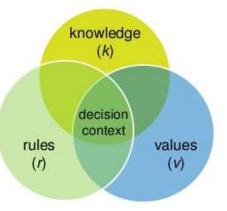


Multi-Solving

https://www.climateinteractive.org/

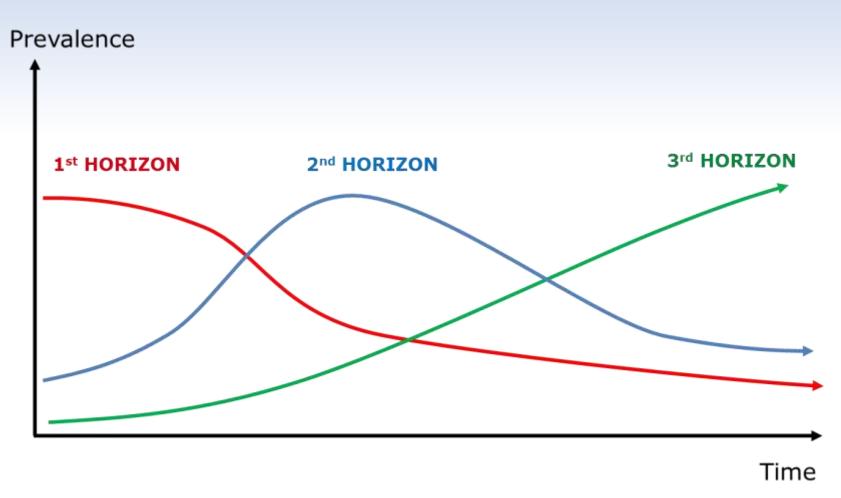
Value-Rules-Knowledge

- Do we know the outcome (K)?
- Do we want the outcome (V)?
- Are we allowed the outcome (R)?





Example – Futures tool/process

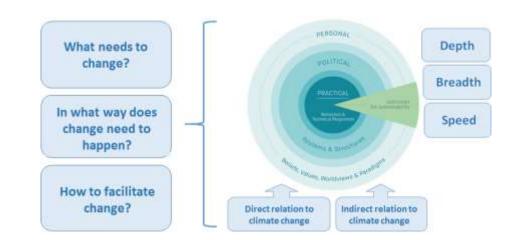


Sharpe, B, Fazey, I et al 2016. Three Horizons: A powerful practice for transformation. Ecology and Society. 21, 2: 47



Key messages

 Change needs to occur at multiple levels and in multiple ways



- 2. Simple framework
- 3. Needs particular attention to 'how to facilitate change'.
- 4. This requires:
 - a) Engaging with diverse social science, arts and humanities disciplines;
 - b) Engaging with knowledge outside of academia;
 - c) Creativity don't be constrained by what we think we know from the past.



