

Concepts and methods

First global conference on **research integration and implementation**

The story of the poster



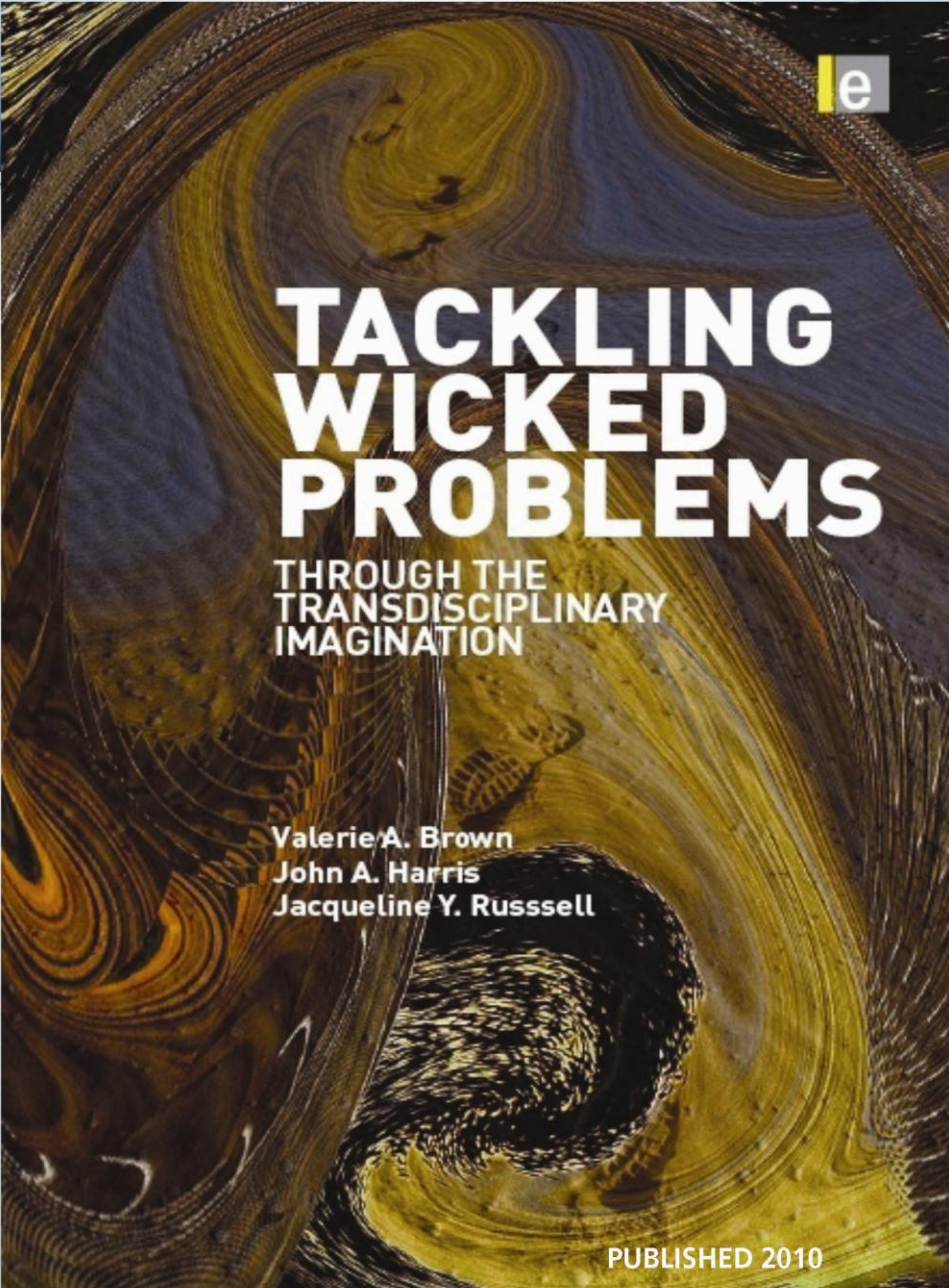
- The world is in the process of transformational change
 - Working with transformational change calls for transdisciplinary inquiry
- Transdisciplinary inquiry requires a collective mind
 - A collective mind draws on collective learning and asks collective questions

Transdisciplinary Research for a **Collective Future**

Working with transformational change

Valerie A. Brown

Director, Local Sustainability Project
Fenner School of Environment and Society,
Australian National University



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TACKLING WICKED PROBLEMS

THROUGH THE
TRANSDISCIPLINARY
IMAGINATION

Valerie A. Brown
John A. Harris
Jacqueline Y. Russell

PUBLISHED 2010

Tackling **wicked problems** requires:

Combining knowledge cultures

individual • local • specialist • organisational • creative

Challenging existing knowledge

moving from single disciplines to collective knowledge

Creating social change

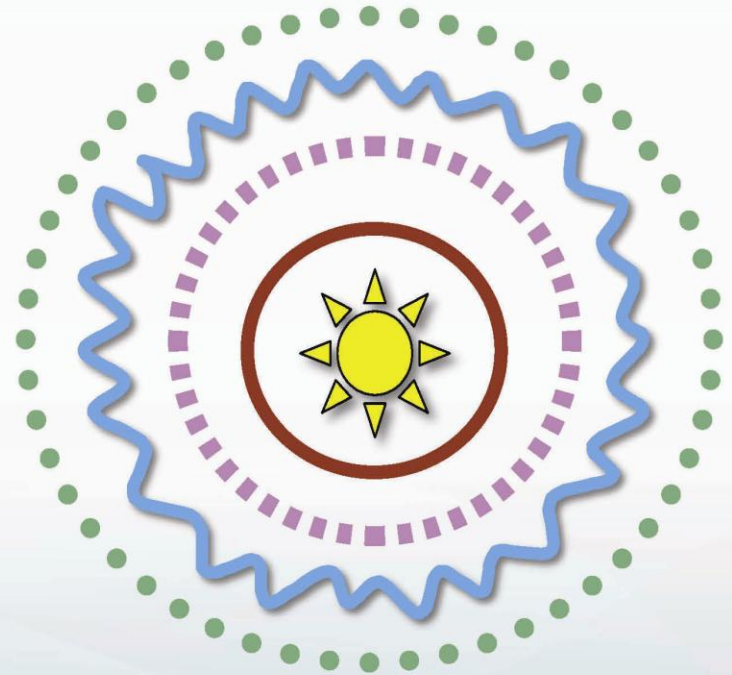
with transformational thinking

Finding multiple solutions

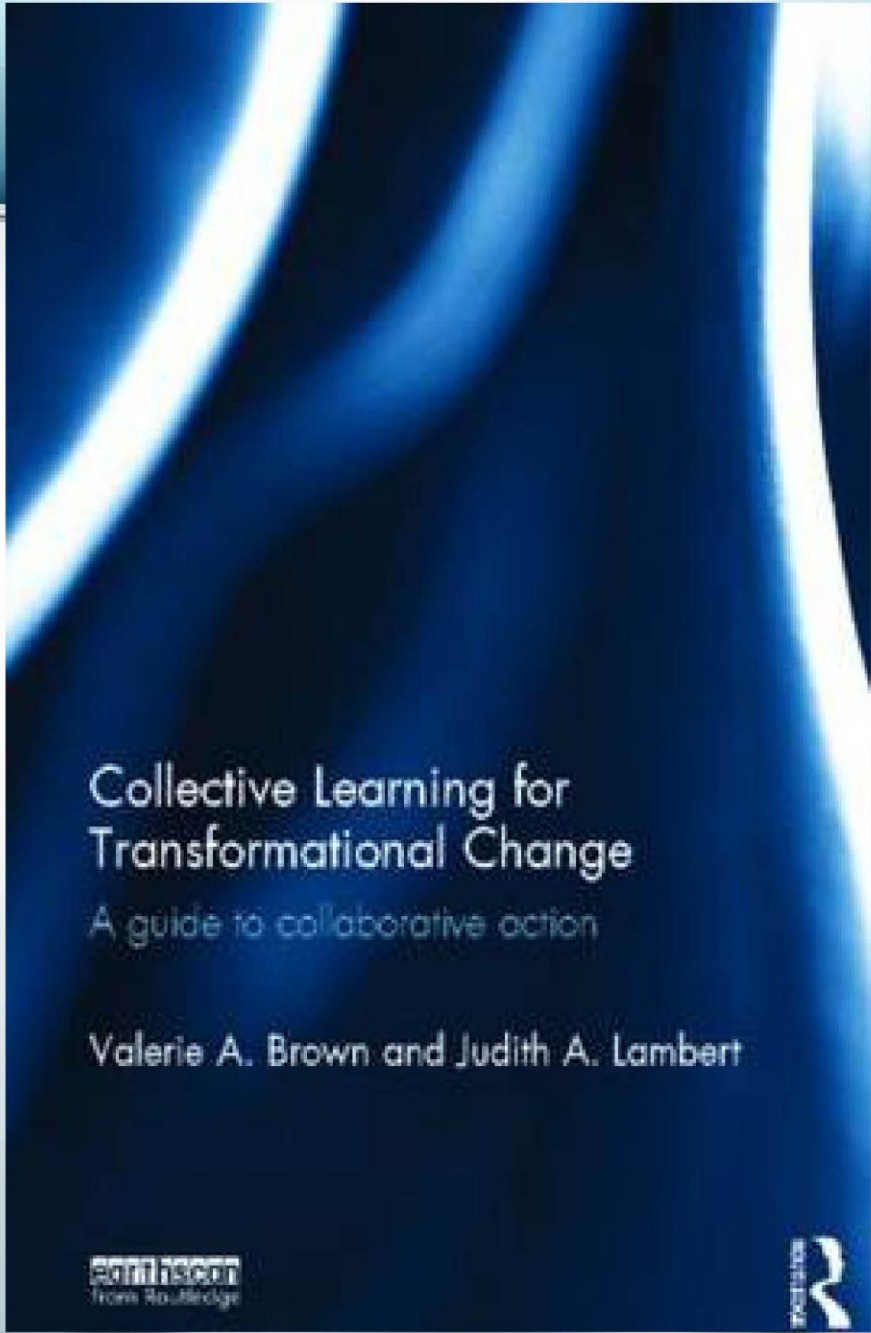
for all the interests involved in the change

Combining **knowledge** cultures needs

- Individual knowledge
+
- Local knowledge
+
- Specialised knowledge
+
- Organisational knowledge
+
- Holistic knowledge



**Collective knowledge is a collective set,
not a hierarchy**



Collective Learning for Transformational Change

A guide to collaborative action

Valerie A. Brown and Judith A. Lambert

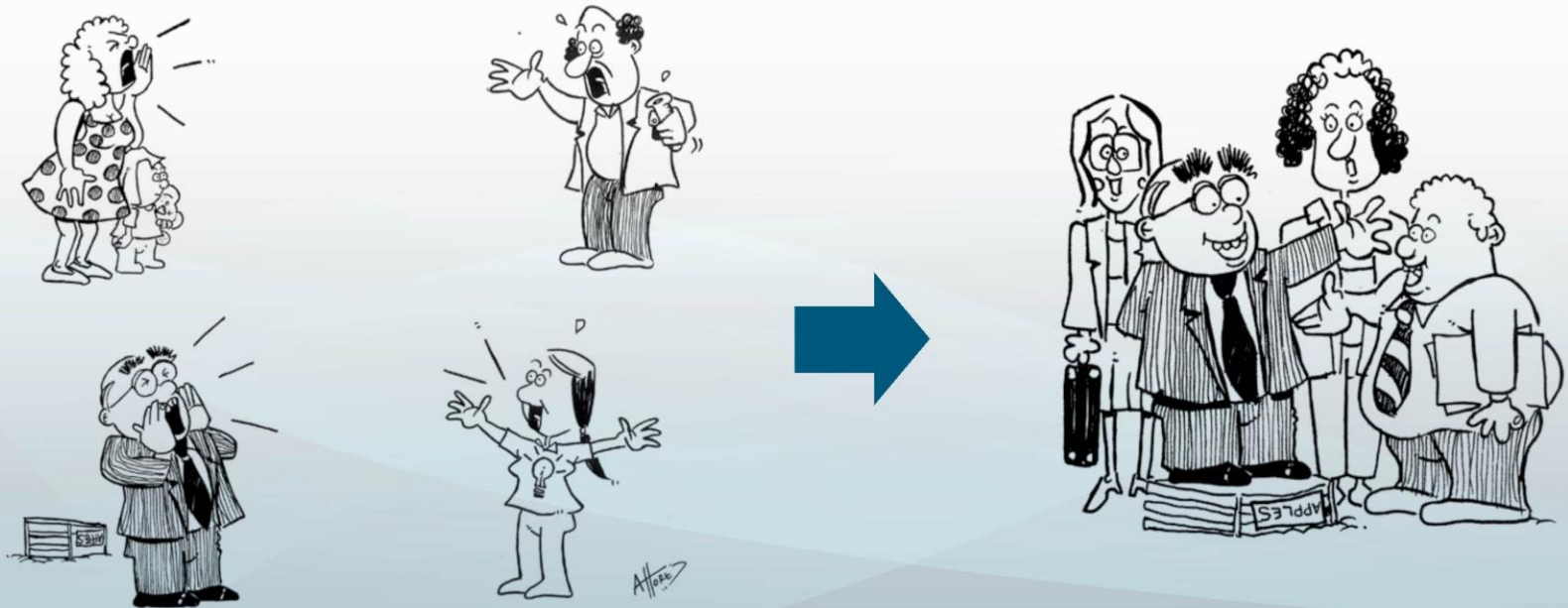
earthscan
from Routledge

Routledge

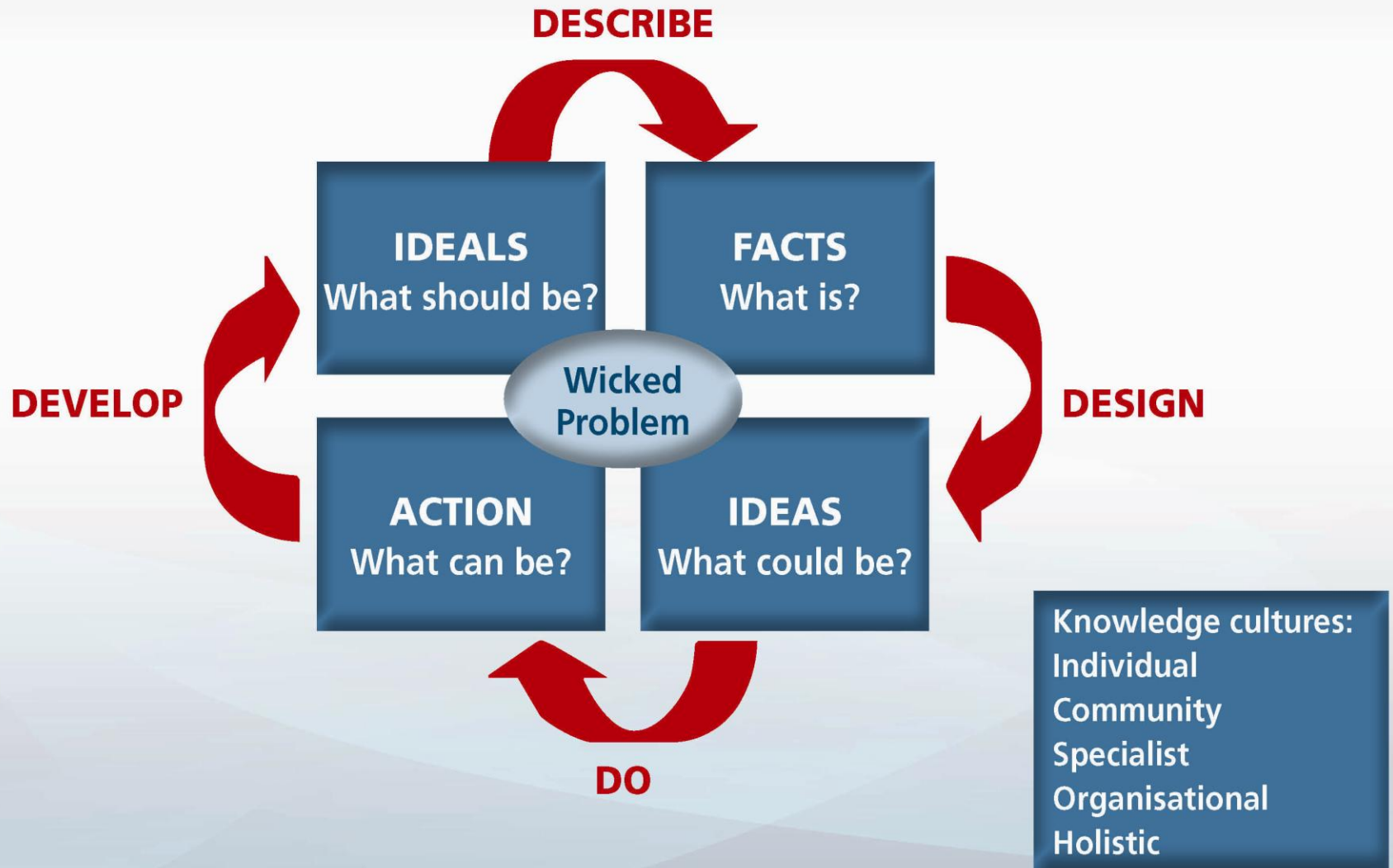
A guide to collaborative action

Collaborative action

requires collective thinking (not consensus)
for multiple knowledge cultures



The **collective learning** cycle



The Human Capacity for
Transformational Change
The Future of the Collective Mind
Valerie A. Brown and John A. Harris



The future of the **collective mind**

The collective mind asks questions
that access all ways of knowing:

Physical

Social

Ethical

Aesthetic

Sympathetic

Personal

Reflective



Brown VA and Harris JA 2014

The human capacity for transformational change.

The Future of the Collective Mind

Routledge In press

A **transformation** science

Collective questions for transdisciplinary research:

- personal • physical • social • ethical • aesthetic
- sympathetic • reflective questions

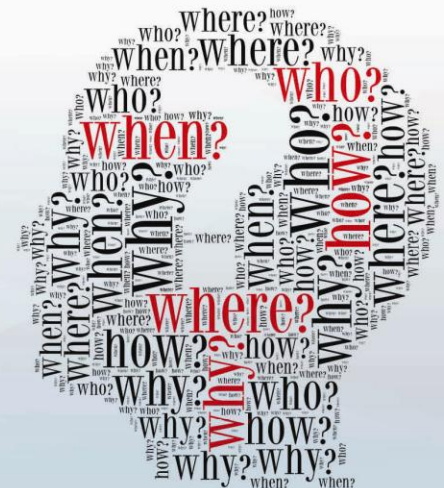
Example: City of Kunming, Yunnan, China

An aerial photograph of Kunming, China, showing a dense urban landscape with numerous high-rise buildings, a wide river, and green spaces. The city is surrounded by mountains in the background.

PERSONAL: research framework
PHYSICAL: size, population
SOCIAL: customs, laws, roles
ETHICAL: aims, values
AESTHETICS: design
SYMPATHETIC: family, friends
REFLECTIVE: collective

Transdisciplinary research for a **collective future** will:

- Answer all seven collective questions
- Explore self-organising systems
- Draw on conscious and more-than-conscious minds
- Be based in collective learning



Poster author

Emeritus Professor Valerie A. Brown AO, PhD
Director, Local Sustainability Project,
Fenner School of Environment and Society
Australian National University. Email: val.brown@anu.edu.au



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London, Earthscan/Routledge. In press.

<http://www.I2Sconference.org>