



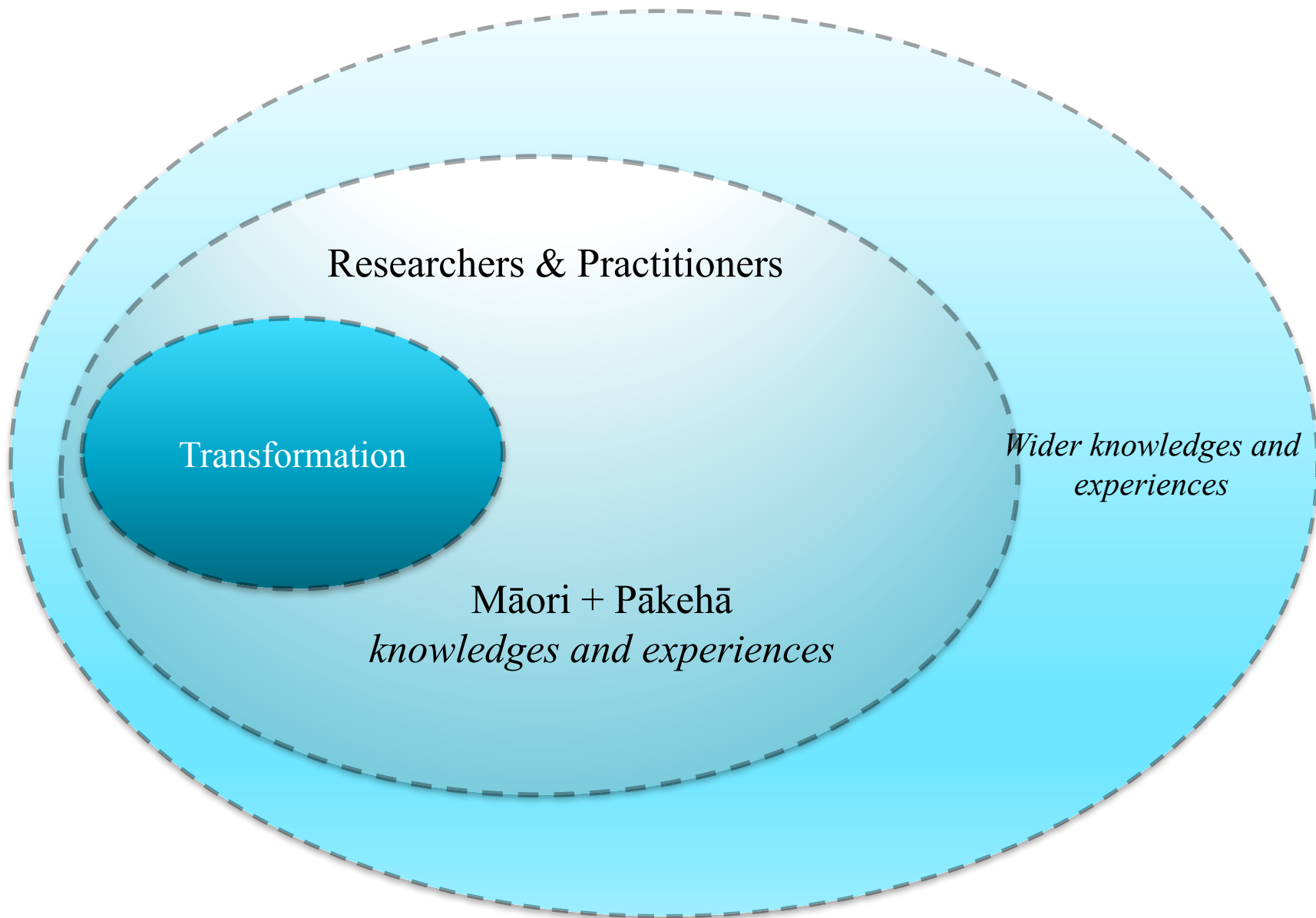
Manaaki Whenua
Landcare Research

Thinking and doing transformation

Ronlyn Duncan

with Franca Buelow, David Diprose,
Graeme Nicholas, Melissa Robson-
Williams, Rawiri Smith and James Turner

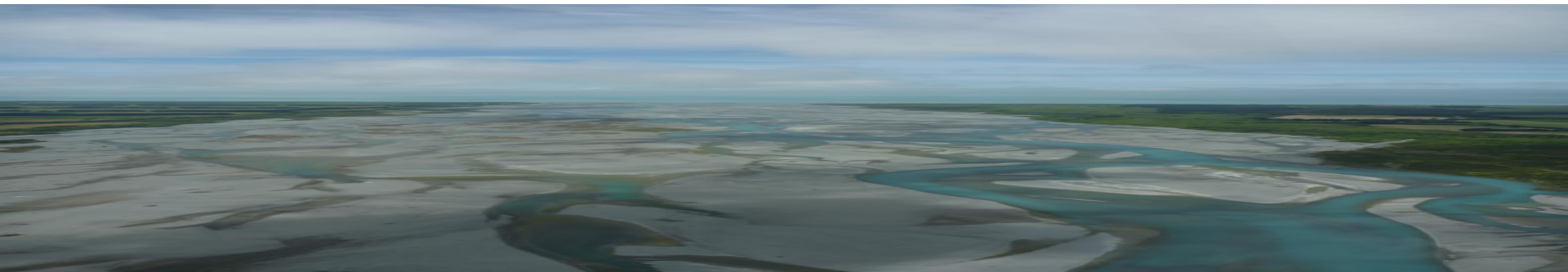
Our 'thinking and doing' research approach





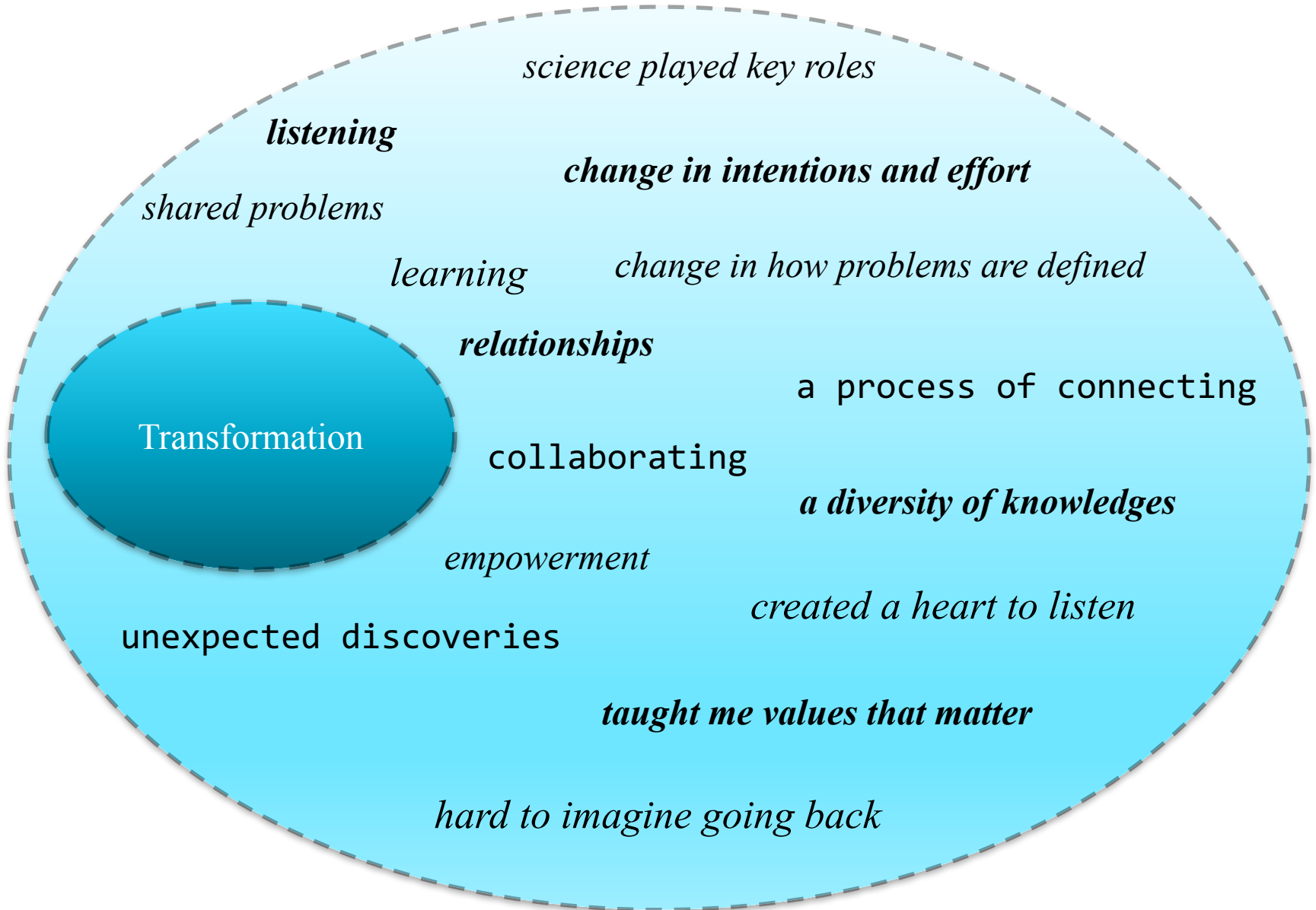
Many questions ...

- What is transformation?
- Would we know transformation if we saw it?
- What is to be transformed?
- What is the scale of transformation to be?
- Do small changes accumulate to a transformation?
- Should transformation be planned or evolve?
- What should be the role of science in transformation?





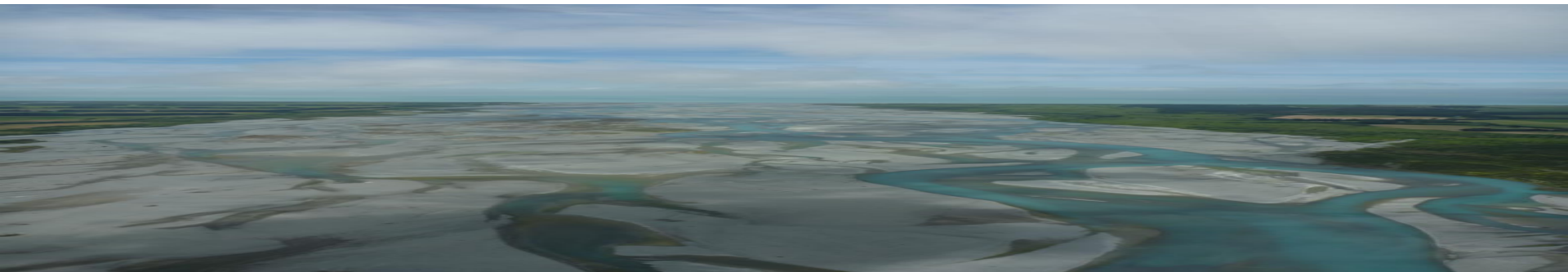
Insights from stories of transformation





Questions for wider network

- What concepts and frameworks can we use?
- What are the pre-conditions, elements, pathways, modes, system change-points?
- What are the motivators for change?
- What capabilities and capacities help and hinder?
- How is a case for transformation explained?
- What does transformational change feel like?





In general, transformation ...

- challenges the status quo
- can create winners and losers
- is not only about technology transfer
- needs to occur within people
- can be reactive or anticipatory

**“the challenge is not finding ways to know the future, but rather to find ways to live and act without knowing the future”
(Miller, 2011)**



Transformation involves:

- shifts at a deep level
- new rules of the game
- challenging existing social and institutional structures
- unlocking path dependencies



Transformation requires:

- working at and across multiple scales and levels
- learning and experimentation
- the creation of multiple pathways
- innovations in governance and institutions
- building transformational capacity
- change in practices, identities, values, meanings
- adaptive and transformative change
- new ways of doing science





Returning to the questions ...

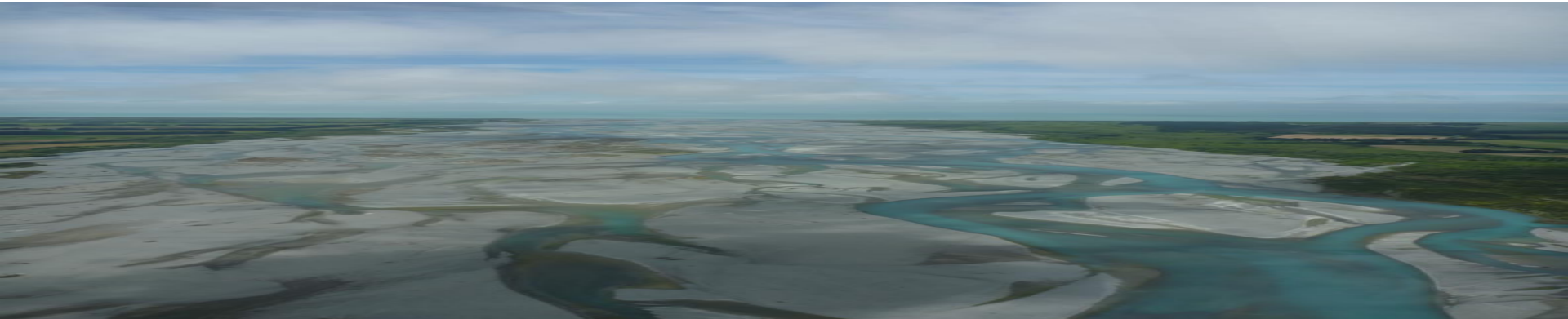
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Top tips

1. Put the problem at the centre
2. Defining ‘the problem’ requires multiple perspectives and knowledges
3. Reflect on assumptions about users, tools, context and competencies
4. Be open to producing knowledge differently
5. Build capacity in co-innovation





Building scaffolding, transformational capacity

OUR LAND
AND WATER

Toitū te Whenua,
Toiora te Wai

National
SCIENCE
Challenges

Transformation





Ideas to take forward ...

- ecological adversity
- adaptation limits
- protective adaptation
- transformational capacity

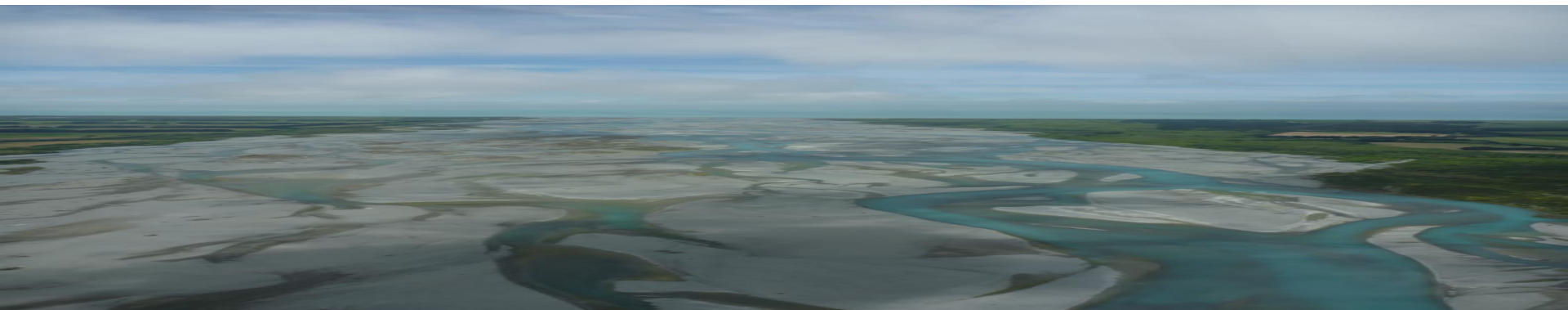
- building an ecology of knowledges





An ecology of knowledges

- moves beyond ‘integration’
- encourages the co-existence of a diversity knowledges, practices and practitioners
- recognises how inter-relations can get out of balance





To conclude ...

There is no one size fits all approach to transformation

Learning, experimenting, connecting, building trust takes time

Transformation is experienced, not delivered



Please share your transformation story with us

@ <https://www.surveymonkey.com/r/RWMR6SS>

Survey also asks:

- Would you like to continue the conversation?
- Who else should we be talking to?

Thank you!

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