



Planning for investment: the transport infrastructure case

Vivienne Ivory (Governance)

Liam Wotherspoon

Daniel Blake (Infrastructure, QuakeCoRE)

(Infrastructure, QuakeCoRE)

Garry McDonald
(Economics)

Roger Fairclough
(everything)

Phil Tate (Simplicitate)

The transport problem

- Uncertain hazards
- Uncertain transport
- Uncertain impacts
- Uncertain timeframes
- Different understanding
- Different needs
- Different priorities
- Different timeframes

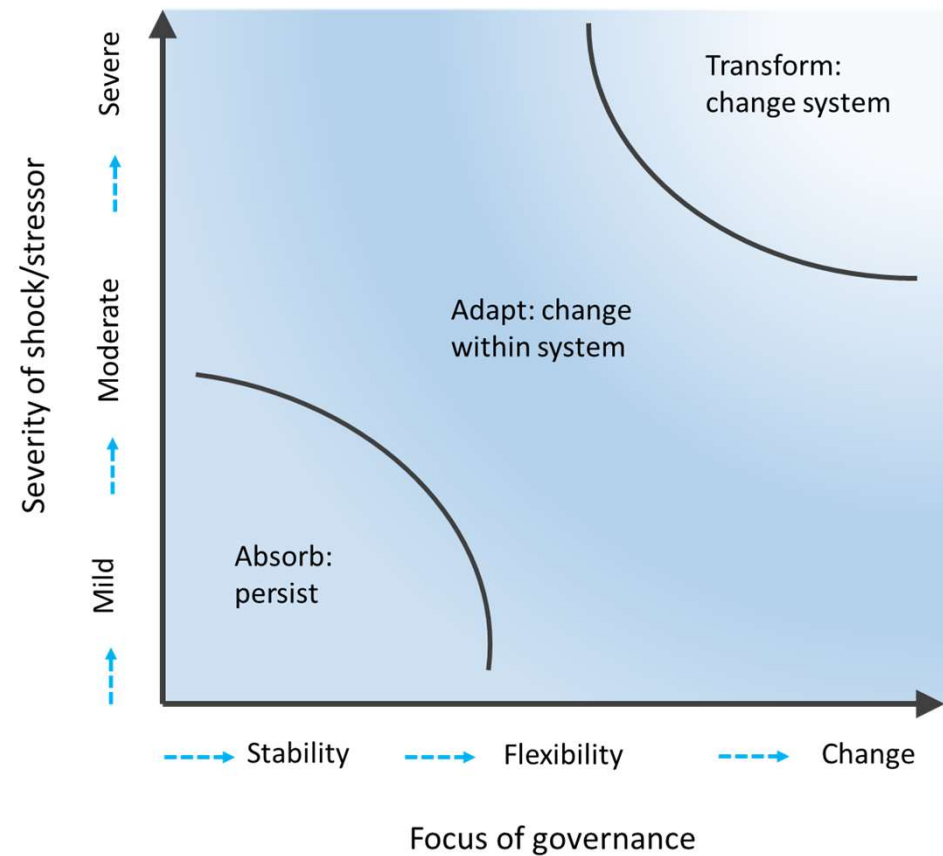
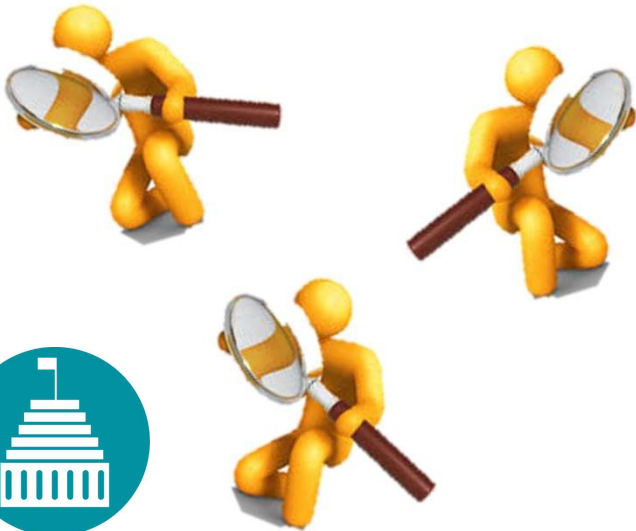


Decisions contested, deferred, contradicting



The governance problem

- Short term focus on operations
- Siloed
- BAU **assumptions** in the face of needed change



Growing our adaptive capacity: Corridor forums

Oberg et al, 2016. TransResProc. Governance of major transport corridors involving stakeholders

“...future ideas laboratories acting as meeting spots for development of the transport corridor on specific topics... multilevel interaction between stakeholders...” p.866-7

Provide a **platform** for collaborative, inclusive governance,

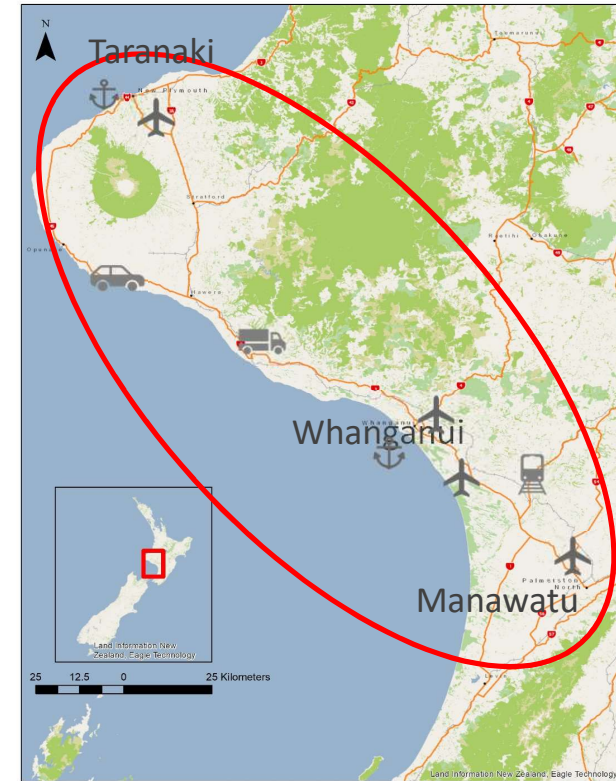
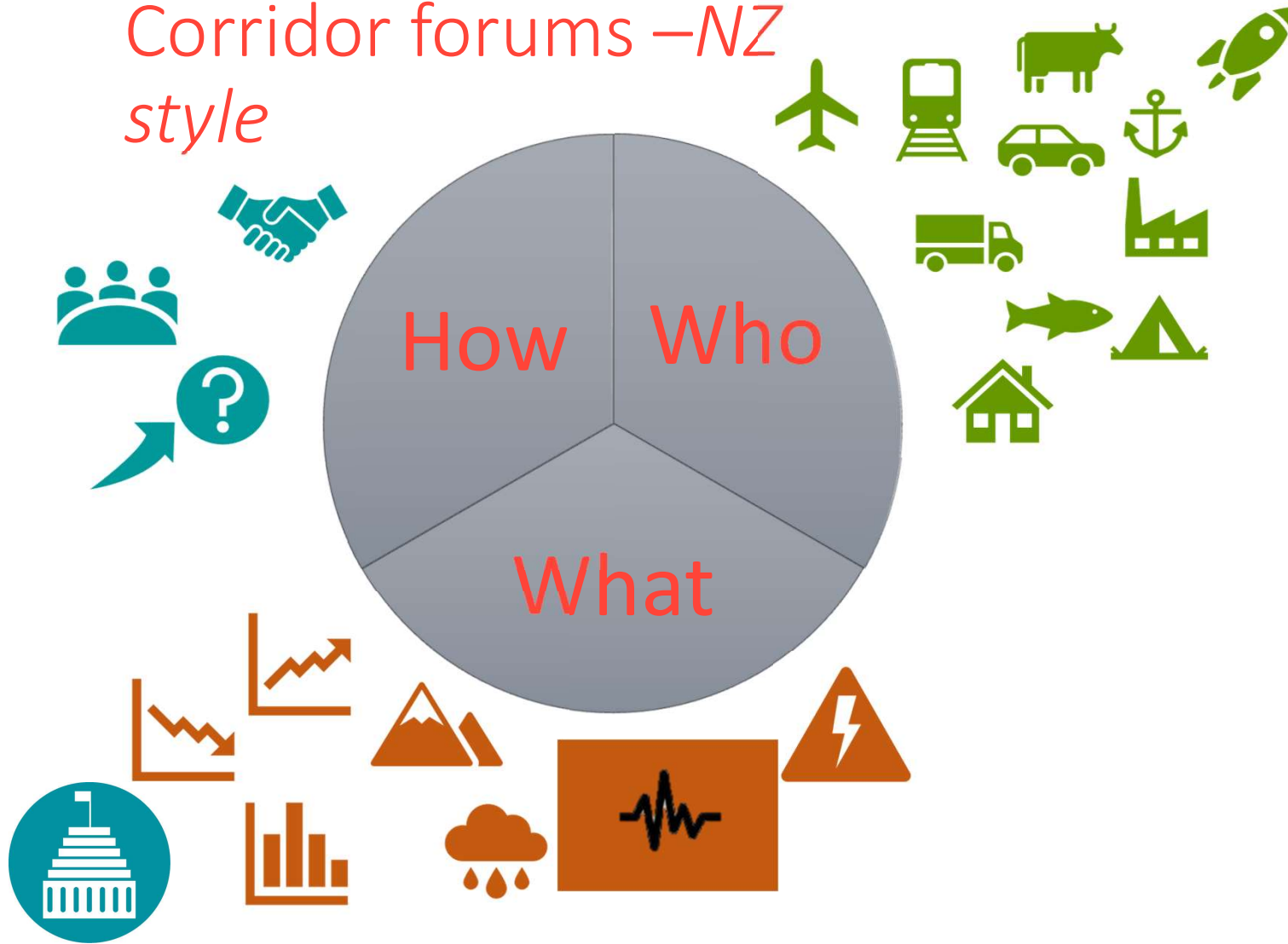
Provide ‘**free-thinking creative space**’ to encourage transformative thinking about the future. Can we challenge our assumptions, challenge existing ways of doing things?

Practice interactions and decision-making to establish cross-system relationships **prior** to a major event,

Practice making decisions where there is **uncertainty**, where there are conflicting answers and values.



Corridor forums –NZ style



National
SCIENCE
Challenges

RESILIENCE
TO NATURE'S
CHALLENGES

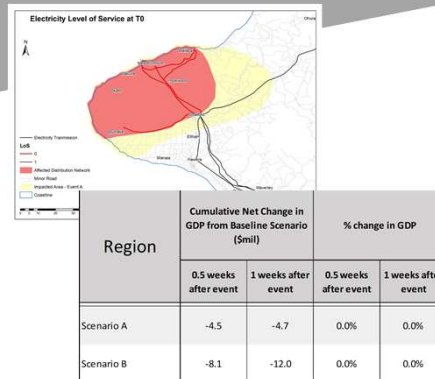
Kia manawaroa -
Ngā Aka o
Te Ao Tūroa

Corridor forums –NZ style

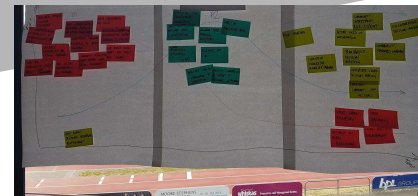
Future stories



Implications



3 Horizons



Dilemmas



Simplicite
Exploring Regenerative Futures

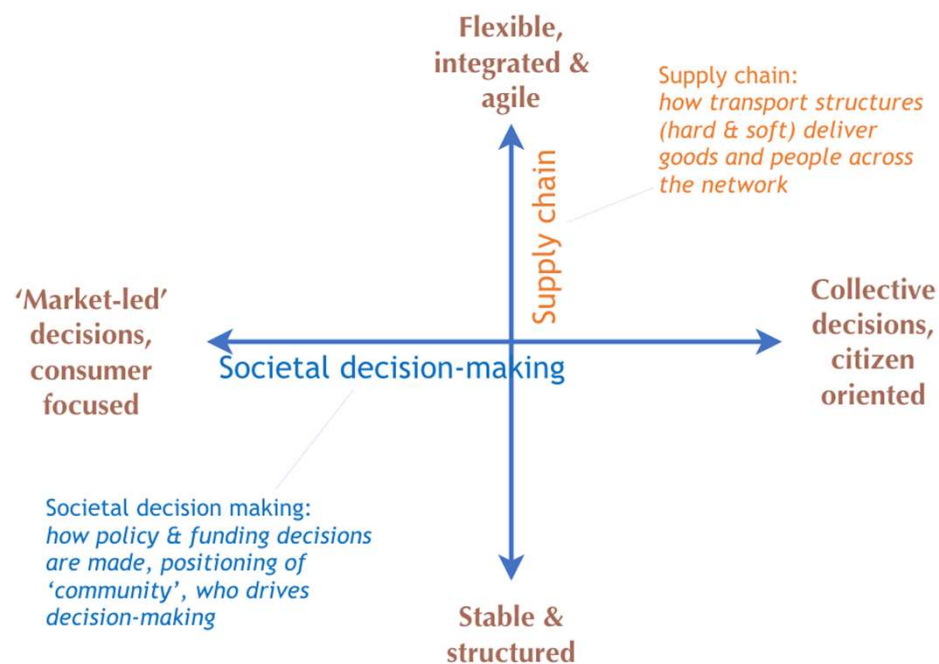
National
Science
Challenges

RESILIENCE
TO NATURE'S
CHALLENGES

Kia manawaroa -
Ngā Akina o
Te Ao Tūroa

Corridor Forums pilot insights

- Adhoc, reactive decision making was the biggest risk to sustaining our regions in the face of a changing world (natural, social, technological)
- We can't future proof transport for hazards. But technology can provide opportunities to enhance resource efficiency



Simplicity
Exploring Regenerative Futures

National
SCIENCE
Challenges

RESILIENCE
TO NATURE'S
CHALLENGES

Kia manawaroa -
Nga Akina o
Te Ao Tiora

Insights: What counts as severe?

Duration & costs

24 hrs vs 6 months (whose impact matters the most?)

Changing frequency

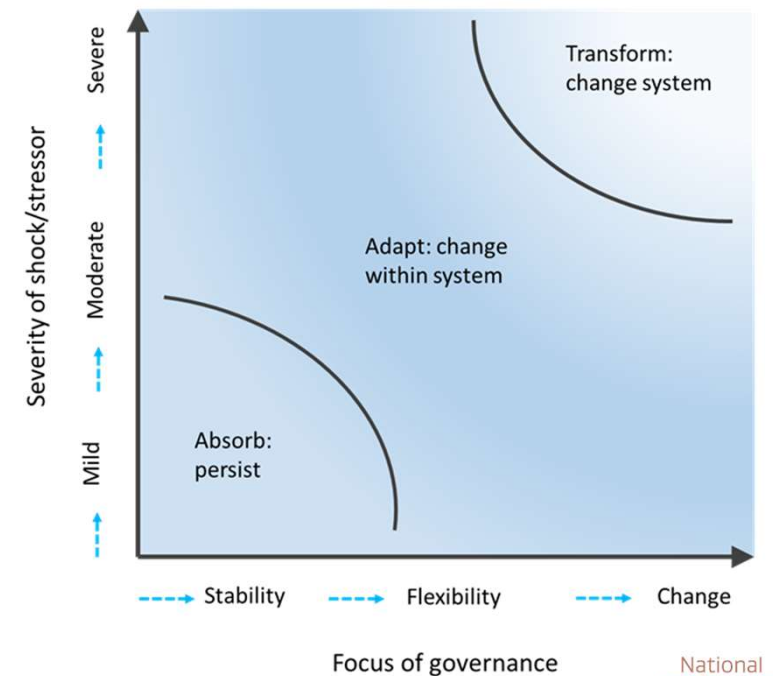
What happens to the budget if 10 yearly becomes annual?

Scale (space & time)

of impact vs scale of decision-making

Who bears the cost

vs who wears the benefit

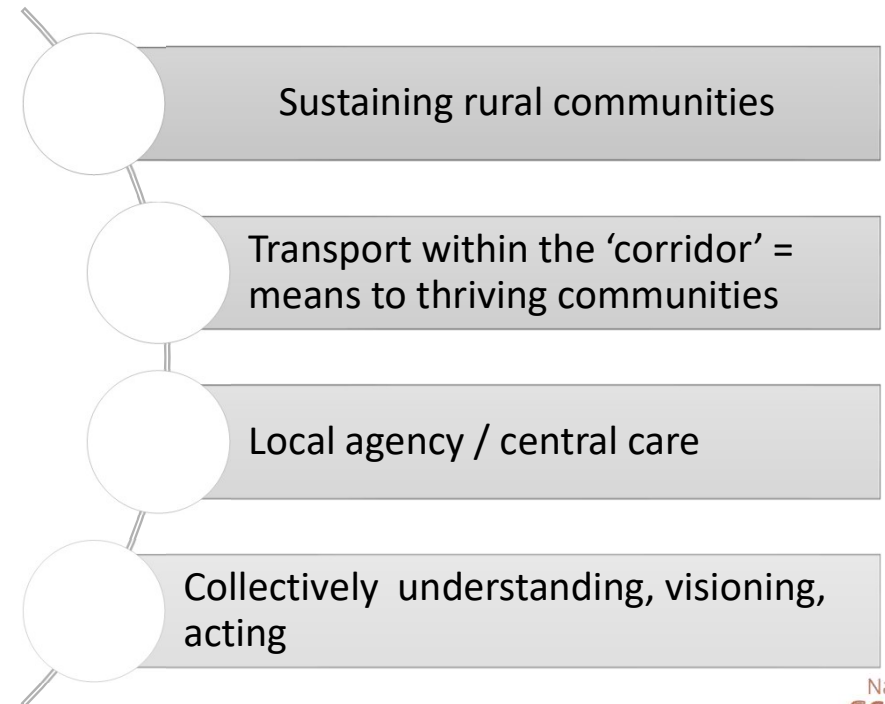


National
SCIENCE
Challenges

RESILIENCE
TO NATURE'S
CHALLENGES

Kia manawaroa -
Nga Akina o
Te Ao Tiora

Insights: values



Simplicity
Exploring Regenerative Futures

National
Science
Challenges

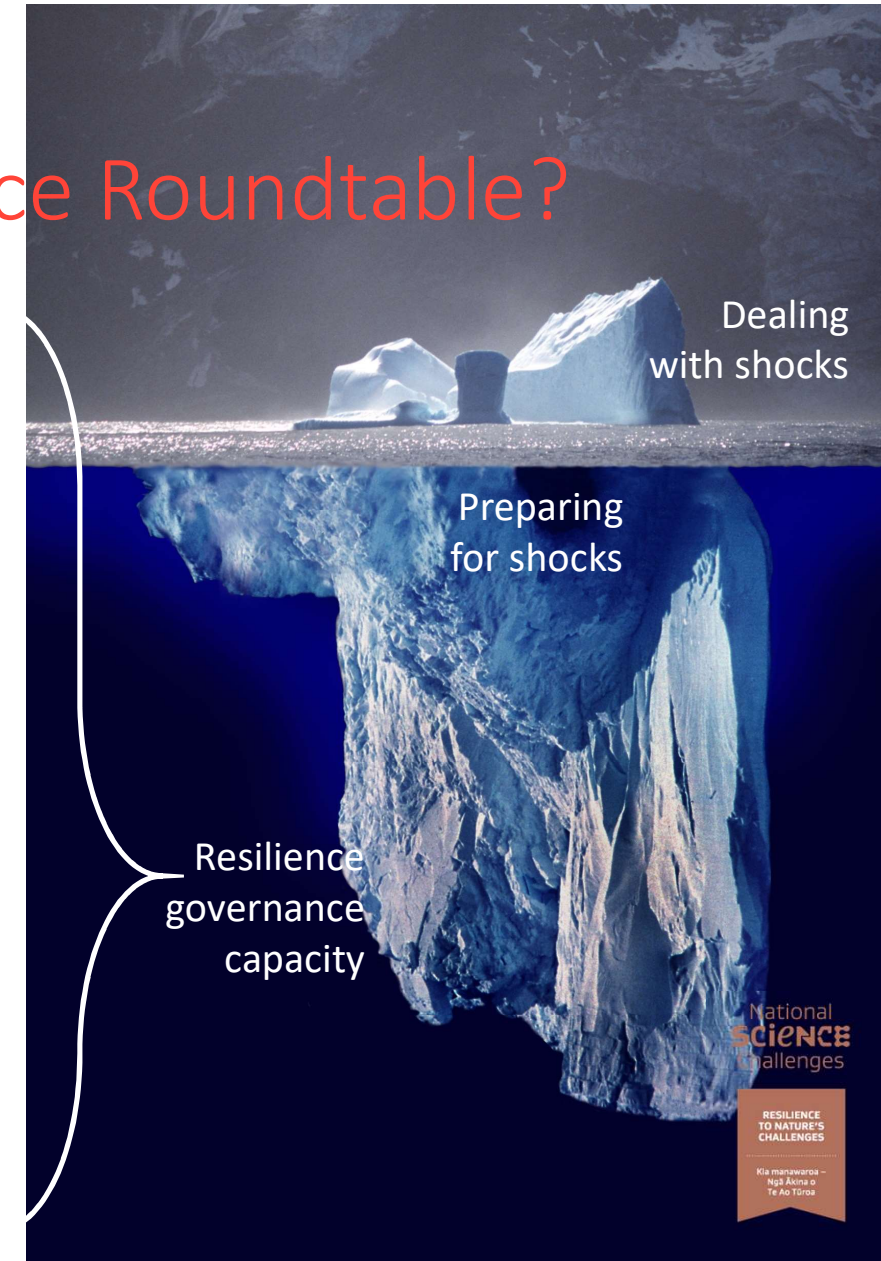
RESILIENCE
TO NATURE'S
CHALLENGES

Kia manawaroa -
Nga Akina o
Te Ao Tiora

Deep preparedness – a Resilience Roundtable?



Purpose	<i>Increase community resilience through:</i> Bringing together Developing capacity Long-term connections and trust
Membership	Voluntary Coordinator / leader System wide membership
Accountability	Those who bear the consequences
Review	Breadth of membership participation Actions that challenge the status quo
Ways of working & components	Collaborative, forward thinking. Safe space to address conflict. - <i>General forum</i> - <i>Working groups</i> - <i>Ideas laboratories</i> - <i>Knowledge & information</i>
Sharing information & resources	Useable, useful Secure Protecting sensitivities





Space benefits; the final frontier?

In space we can

- Collectively share risk
- Challenge thinking patterns
- Change social practices of decision-making
 - Who we talk to
 - How we use information
 - What we talk about

