

Decision making at the Edge- lessons for resilience

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Session 2 Investment in resilience

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RESILIENCE
TO NATURE'S
CHALLENGES

Kia manawaroa –
Ngā Ākina o
Te Ao Tūroa

Technical
support

**MITCHELL
DAYSH**

Project manager
& facilitation



Tonkin & Taylor
Technical advisor



Social impacts



Economic analysis

Aramanu Rohipa
Cultural values

Clifton to Tangoio Coastal Hazards Strategy 2120

Coastal Hazards Joint Committee



NAPIER
CITY COUNCIL
Te Kaunihera o Ahuriri



HASTINGS
DISTRICT COUNCIL



Community panels

Edge researchers: 'Critical Friends'



Living at the Edge –
Transforming the Margins

National
Science
Challenges

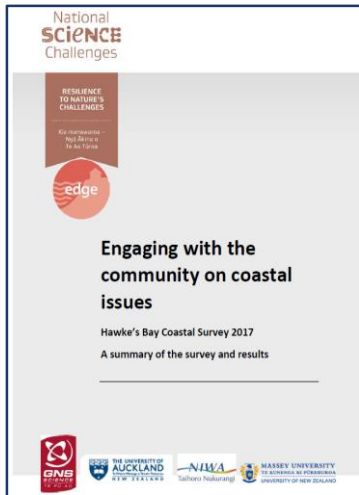
RESILIENCE
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Objectives of Edge collaboration

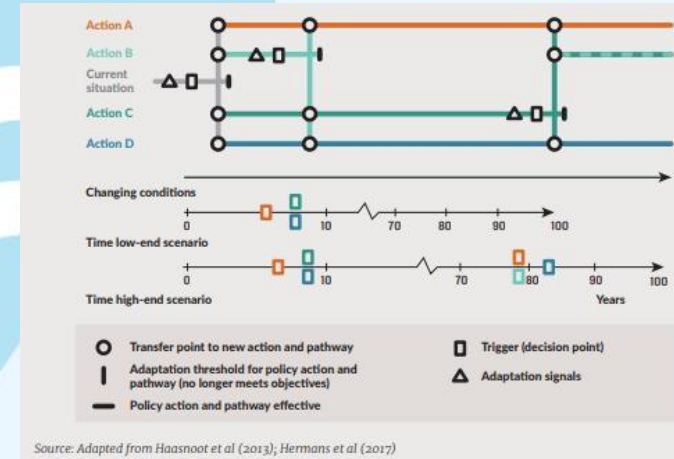
- Provide **robust and independent science to support and inform the Strategy**, while undertaking wider Edge research objectives
- Conduct **co-produced, participatory research** for Edge aims
- Support alignment of the Strategy with **national-scale guidance** on coastal hazards and climate change effects on hazard risks
- Support the Strategy to achieve outcomes sought by Partner Councils within the timeframes and budgets
- To work in a mutually beneficial way (MOU protocols)—greater progress than either alone could achieve



Living at the Edge

What we did

- Provided **science and technical input** to the Strategy process with TAG
- Used **Dynamic Adaptive Policy Pathways (DAPP)** planning to identify options, evaluate options, develop pathways, evaluate and cost pathways (Real Options Analysis)
- **Observed the process** and collected data from panel members on their experience in the process
- Intervened as **honest broker** with information and its application and process in optioneering
- Collected **reflections** on the Strategy process to refine practice



Lessons – Trust and understanding built

- **Effective community engagement** changes minds
- Value of **iwi Maori as governance partners** and for their perspectives
- **Effective governance** strengthened mandate, political commitment and buy-in
- A **clear decision framework** essential for a transparent process
- The process gave the recommendations **legitimacy**
- Independent knowledge and diverse disciplines gave **credibility**



Practitioner perspectives

- Able to tune decision-making framework to **match the revised national coastal hazards and climate change guidance** (Dynamic Adaptive Pathways Planning & Real Options Analysis alongside MCDA)
- ‘Edge’ role reinforced the science process messages giving the Panels confidence that the **science and process was robust and supported by a range of experts**
- Regular evaluation during the process by ‘Edge’ gave **early warning of issues** as they arose which were addressed with Q and A posted on the Strategy website



Living at the Edge

Community panel perspectives

"Found the DAPP process was **helpful to navigate complex issues**"

"The process was **enabling** because it challenged pre-conceived views"

"I was **very impressed by the team from the Edge** who with their comments added a great deal to the process"

"**Keep the 'Living at the Edge' studies going** as it has great importance for everyone who lives at the coast"

"The more people involved, the better the discussion and the **more inclusive the decision making process.**"

"It was a **very robust process** and I applaud the TAG Team and Chair for including the affected people from the coast on the panel"

Living at the Edge

Conclusions

- Involvement of Edge researchers gave us a unique opportunity to act as a 'critical friend' to the Strategy development
- More robust assessment by including changing risk profiles over time and adding value to the process (DAPP, ROA, aligned with national Guidance) in giving independent advice
- Insights to be gained by looking critically at the process and distilling lessons that can be applied elsewhere.

