



Adaptation of pā to climate change: “Business as usual”

A. Bailey-Winiata

S. Gallop, I. White, L. Wotherspoon
T. Fa’au, M. Dickson, J. Ellis

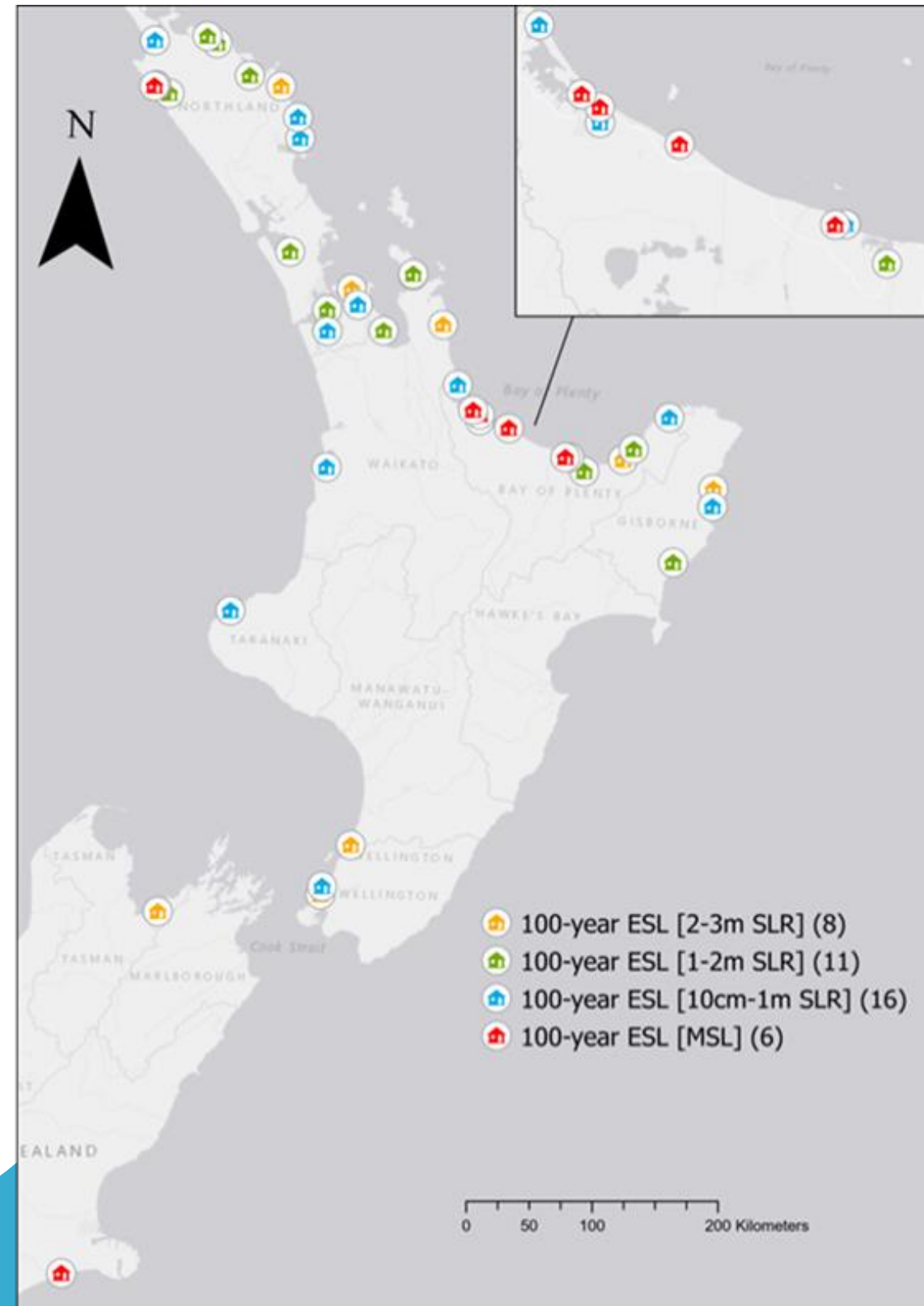
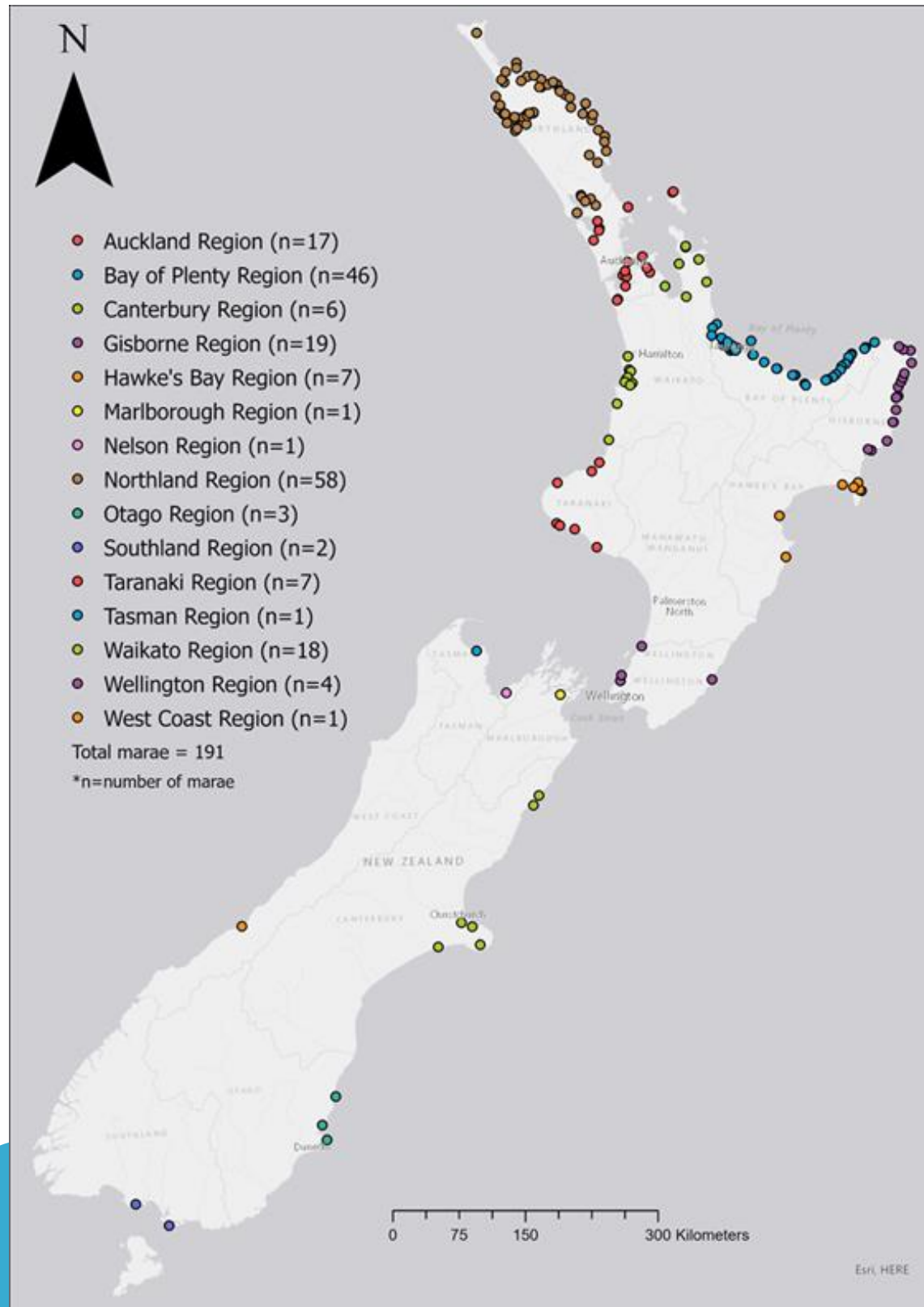


Ko wai ahau? - Who am I?

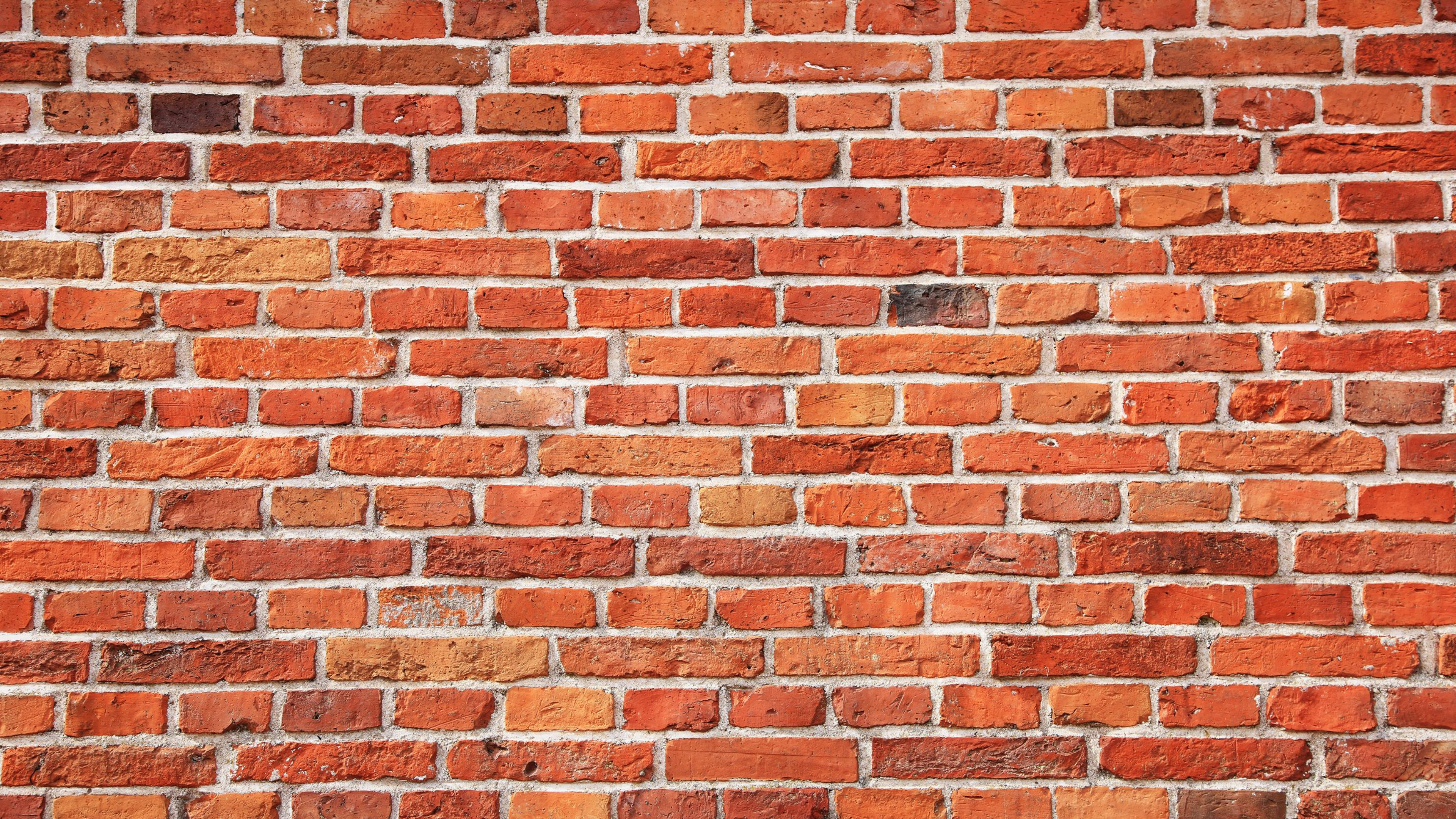


Background

- MSc - Understanding the potential exposure of coastal marae and urupā to sea level rise



- 191 marae are within 1 km of the coastline
- 41 of these are at risk to a 100-year ESL + 3m SLR
- **Hapū and iwi wanted to know how can they adapt to these impacts?**

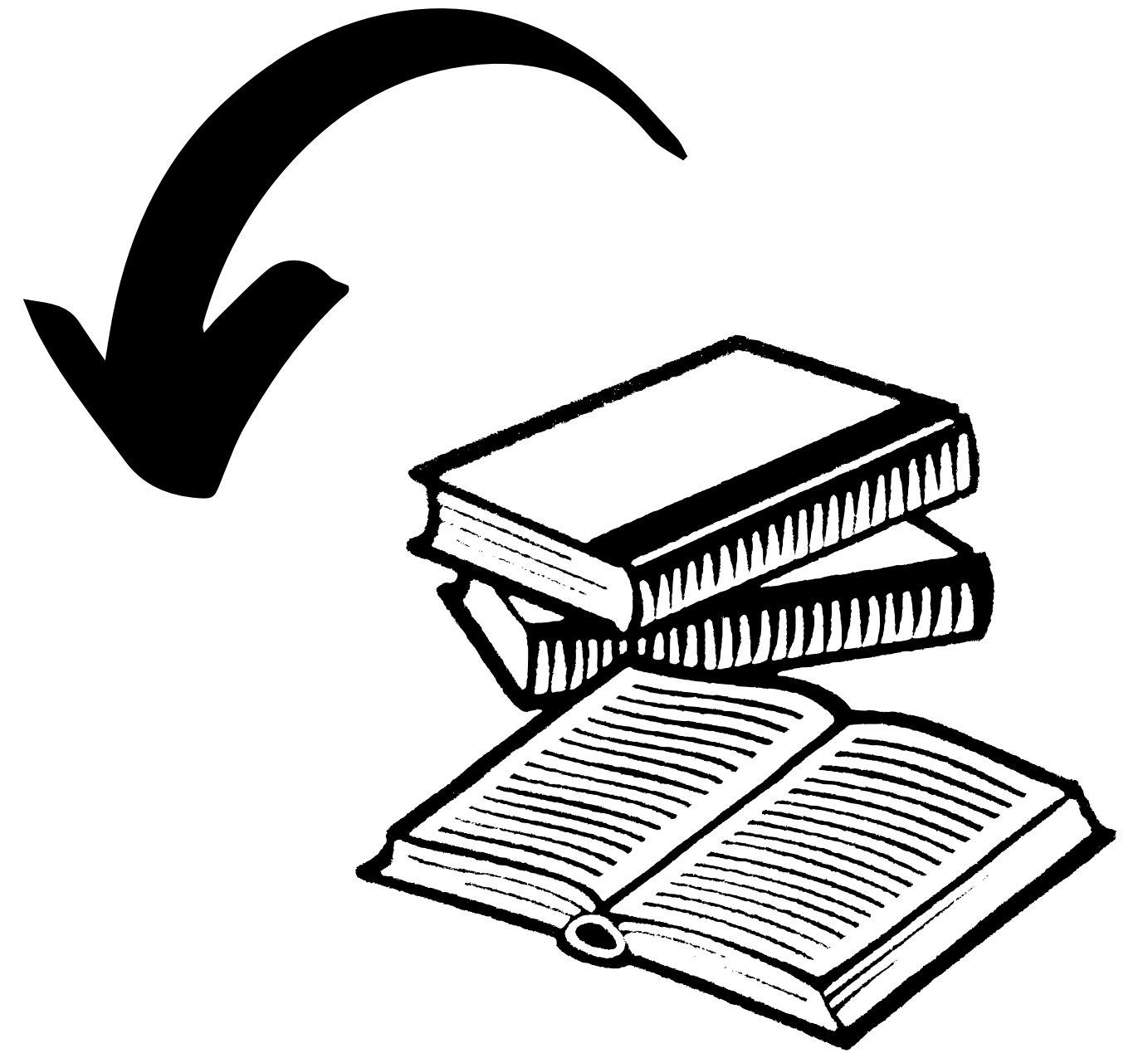


Flip the narrative

**“Kia whakatōmuri
te haere whakamua**

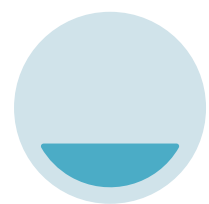
-

**I walk backwards
into the future
with my eyes fixed
on my past”**

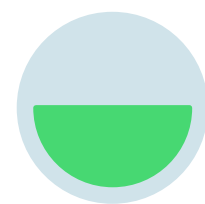


What did we do?

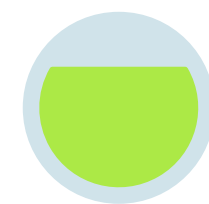
Codevelop a framework for an Indigenized managed retreat strategy for Aotearoa New Zealand



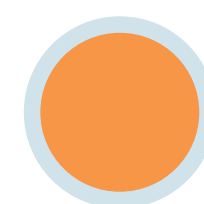
Historical Māori relocations



Global review of adaptation challenges



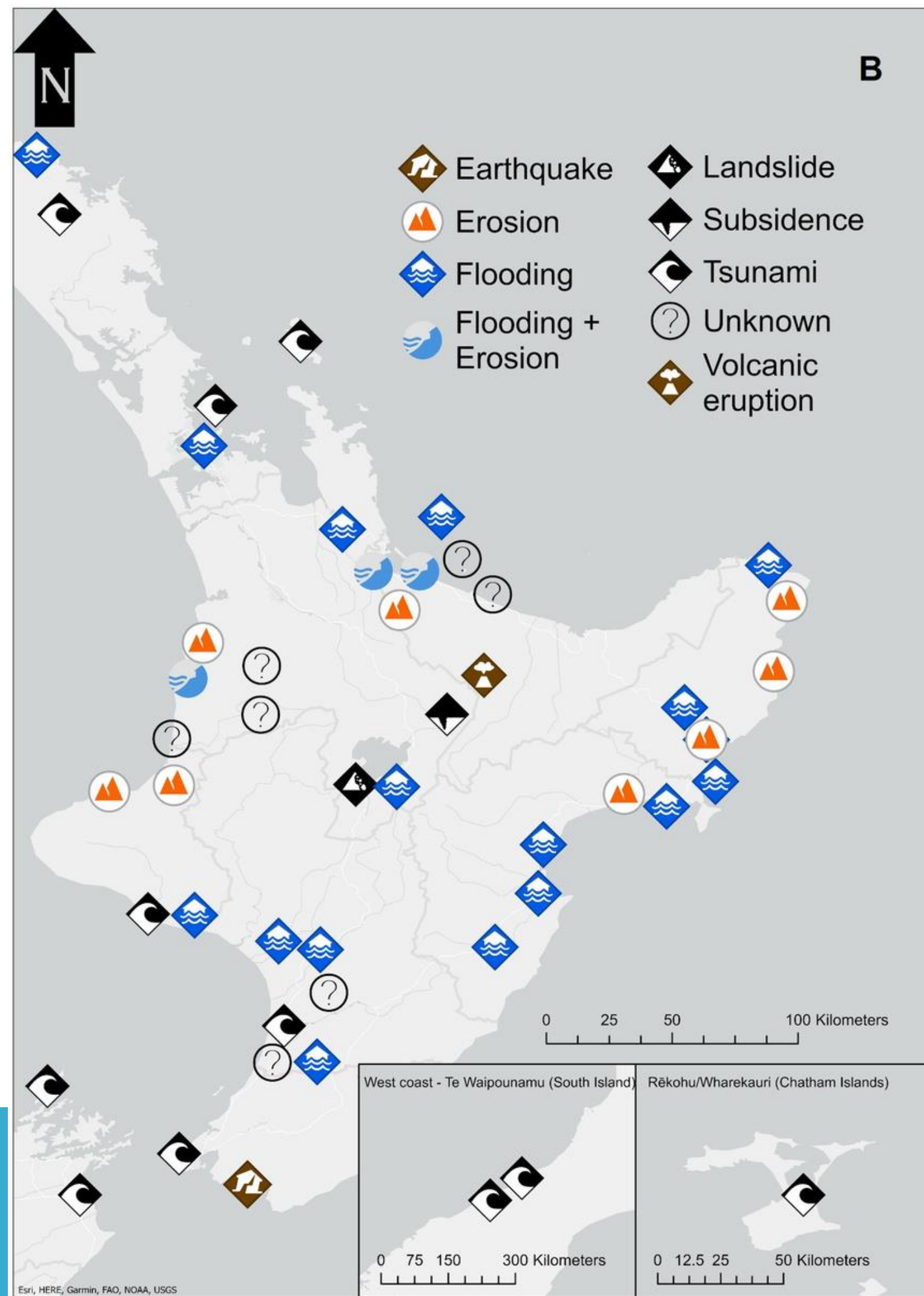
Exposure and isolation of coastal marae



Framework to support adaptation/relocation decision-making



Pā is a broad term for the complex of Māori structures, places, and people, important to Māori culture and identity



A story of resilience



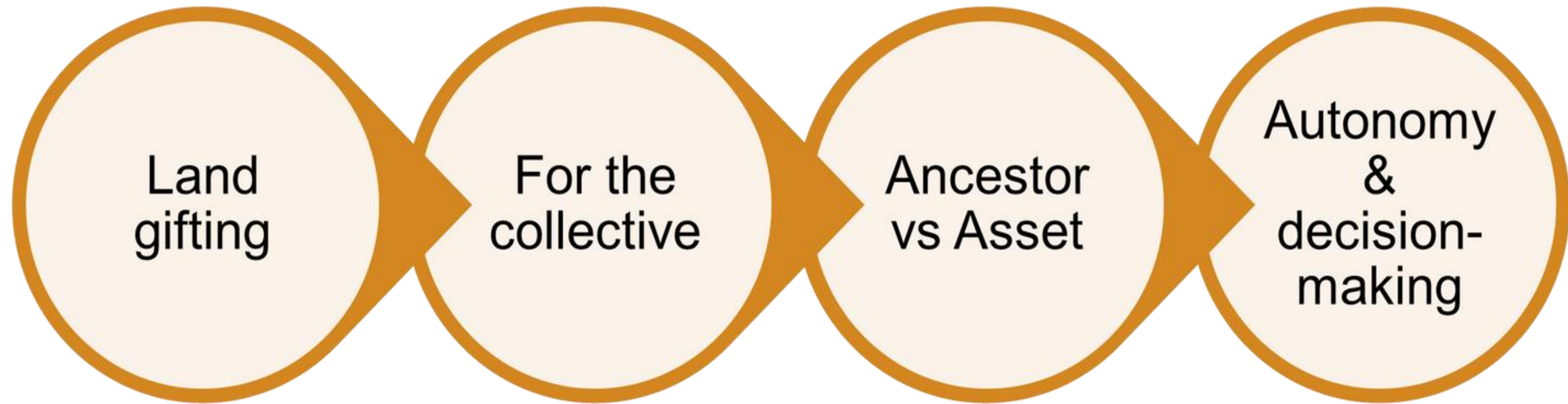
C. Blomfield

“It’s all of those intangible values... The physical relocation isn’t much of a challenge at all, it’s the values”

“You’ll put the relocation off as long as you can...until they can be shown the evidence...there is no impetus to do something revolutionary such as moving”

Bailey-Winiata et al., (In review)

Insights for future relocation



Bailey-Winiata et al., (In review)

Discussion is now



'Our tīpuna knew when to move' - The difficult conversations about managed retreat for Māori

7:09 am on 1 May 2023

 **Ella Stewart**, Longform Journalist, Te Ao Māori
@ellapetastewart ella.stewart@rnz.co.nz

Share this     

Cyclone Gabrielle: Māori fear for whenua future with recovery plans

 **RNZ** TE REO IRIRANGI O AOTEAROA

6 Jun, 2023 03:28 PM 4 mins to read

 Save  Share

Submission to Parliaments Inquiry



Written submission

Video submission



Concluding remarks

- Pā relocation is **not uncommon**
- We have **done this before** and we **can do it again**
- **Enablers of historical relocation are still being used now**
- Communities are having to **respond now** and many **cannot wait for policy** to keep up

akuhata.bailey-winiata@pdp.co.nz



RESILIENCE
TO NATURE'S
CHALLENGES

Kia manawaroa –
Ngā Ākina o
Te Ao Tūroa



He Ekenga Ngaru

Māori community solutions to climate retreat and adaptation