

# The necessity for place-based bicultural tools in Aotearoa New Zealand's Town Planning

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# The necessity for place-based bicultural tools in Aotearoa New Zealand's Town Planning



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# Research context in Aotearoa New Zealand

- Town planning is led by councils, with expert-led approaches
- Lack of recommendations supporting authentic collaboration with Māori
- Lack of mechanisms to enable community and hāpu-led town planning
- Community engagement: often {only} consultation processes

# Research context in Aotearoa New Zealand

## Māori world views

- Belonging
- Kinship and guardianship
- Reciprocity
- Ancestral / Spiritual connections

## Planning framework

- Tenure [owning/renting]
- Management and production
- Socio-economic development
- Cadastre [land parcels]





# Research objectives

- Strengthen collaborative planning for a better inclusion of local knowledge and community narratives in Aotearoa New Zealand's town planning
- Advance co-creation methodologies and place-based tools to strengthen bicultural planning
- Embeddedness of mātauranga Māori in planning and decision-making: more equity





# Case studies



**Rotorua:** partnering with Ngāti Whakaue  
Planning context: Rapid urban transformation



**Waimakariri:** partnering with Ngāi Tūāhuriri  
Planning context: Post-disaster recovery



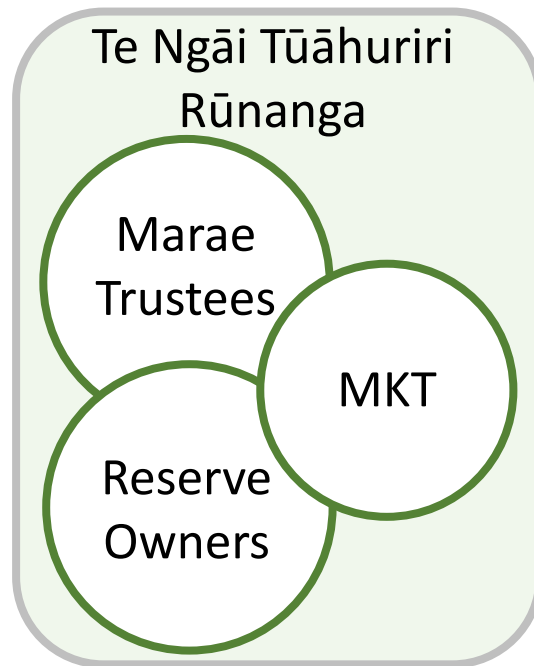
# Research methodology: Immersed engagement and co-creation

## ***Immersed Engagement***

4 key considerations to mediate engagement:

1) Empathy 2) Mutual trust 3) Purpose 4) Continuity

Waimakariri partners



Immersed researcher

Waimakariri Work group

Research Team

Immersed researcher

Core Rotorua group

Rotorua partners

Ngāti Whakaue

Te Tatau o Te Arawa

## ***Co-creation partnerships:***

Mātauranga Māori and the views of our partners to be supported through research expertise



# Te Tatau o Te Arawa Elected Members



- \* Koeke
- \* Iwi & Hapū
- \* Whakaue
- \* Trusts & Incs
- \* Pan-TA
- \* Rangatahi



# Te Arawa E Project



## Te Arawa 30-50 year vision

- Alignment of Te Arawa wide Strategy & Vision
- Te Arawa engagement & mandate
  - Iwi/hapū hui; Online/SM engagement; Wānanga; Interviews

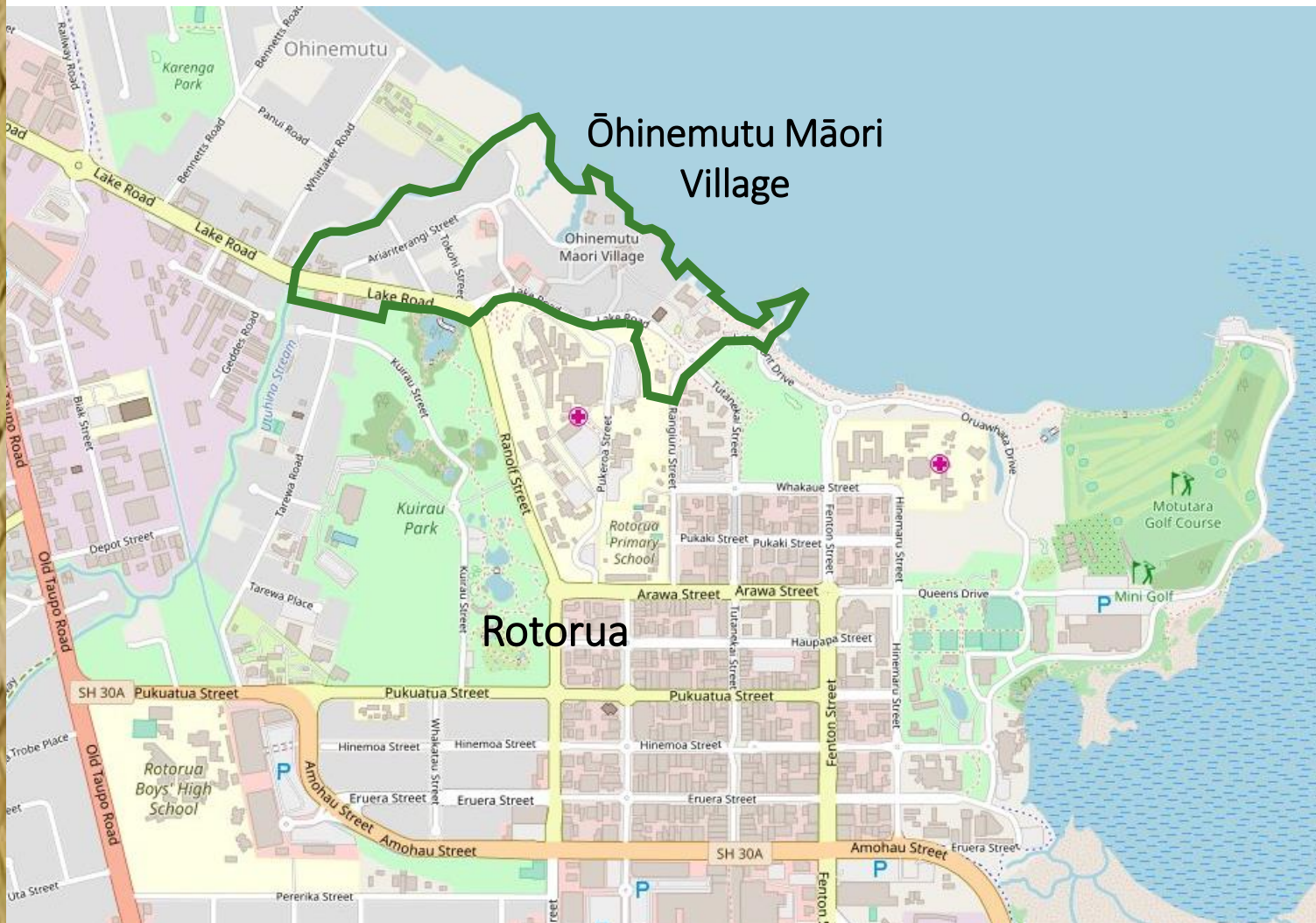
## Rotorua Reorua

- Phase 3: Kia Toitū Te Waka Reo - Building a sustainable future

## Mana Whenua capability building

- Town Planning
- Research Project in collaboration with University of Canterbury
- Ōhinemutu and Ngāpuna.

# Rotorua case study





# Literature Review

There is a need to include Māori values in land-use planning and apply a bicultural approach  
(Harmsworth 1997, 2004)

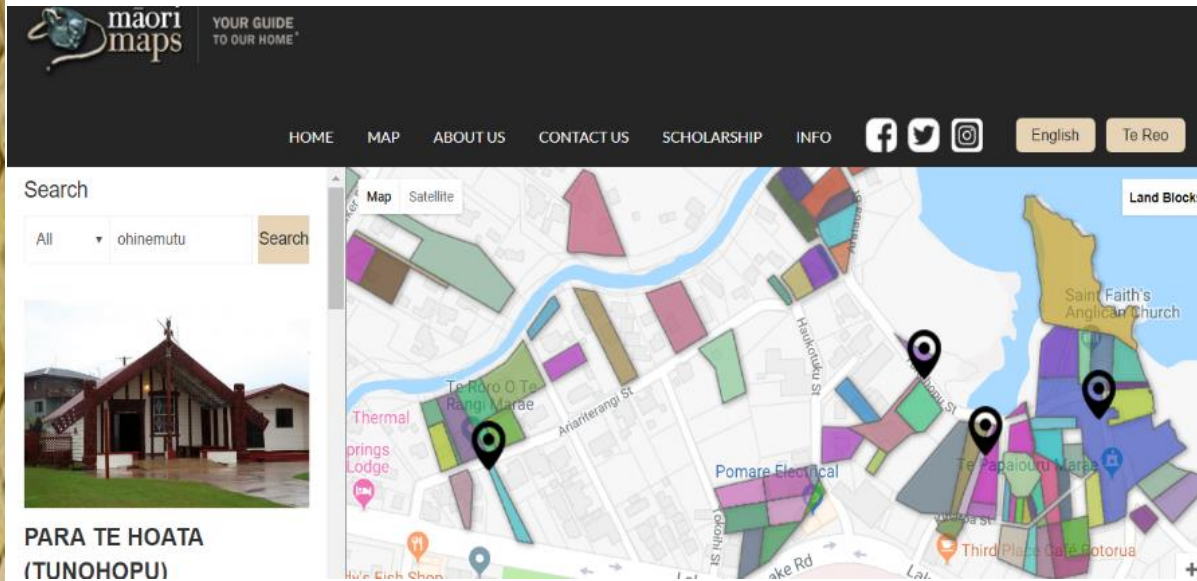
Māori have a long and unique approach to design and planning. It is not just about outcomes but also processes, traditions and methodologies  
(Matunga, 2013, 2018)

Current approaches often fail to incorporate local realities and cultural values and aspirations of communities  
(Kingi et al, 2013)

The integration of Mātauranga Māori into urban planning can assist local authorities to achieve sustainability goals (Awatere et al, 2013)



# Place-based bicultural tools in Aotearoa New Zealand



***Maori maps*** incorporates *Maori Land Online* (owners, blocks, maps, marae) and *WhenuaViz* (land capability, land cover, soils)

<https://maorimaps.com/>



***Kā Huru Manu*** developed by Ngāi Tahu Atlas includes original Māori place names, traditional travel routes and original land allocations [www.kahurumanu.co.nz](http://www.kahurumanu.co.nz)

# Place-based bicultural tools in Aotearoa New Zealand

***Waimangu Volcanic Valley App*** is an AR tool which enables the visualisation of the Pink & White Terraces prior to the Mount Tarawera Eruption (1886)

<https://www.waimangu.co.nz/plan/app>

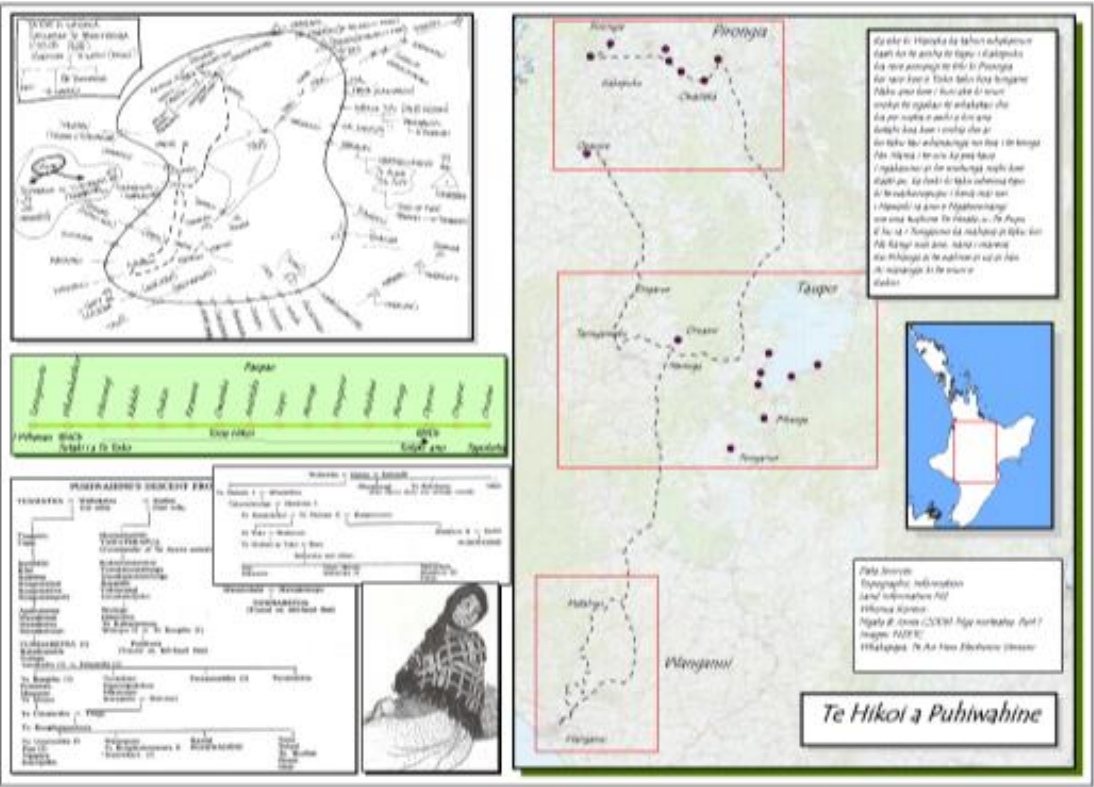




# Place-based bicultural tools in Aotearoa New Zealand

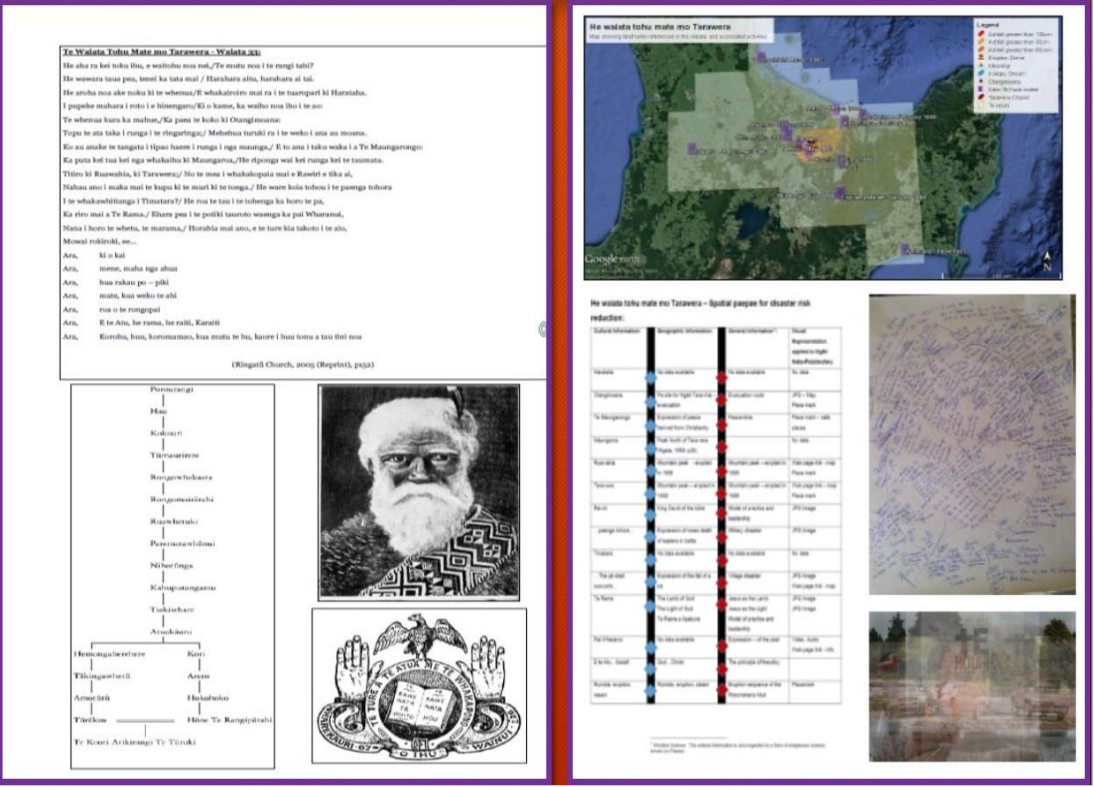
## Mapping Ancestral Landscapes

Dr Hauiti Hakopa



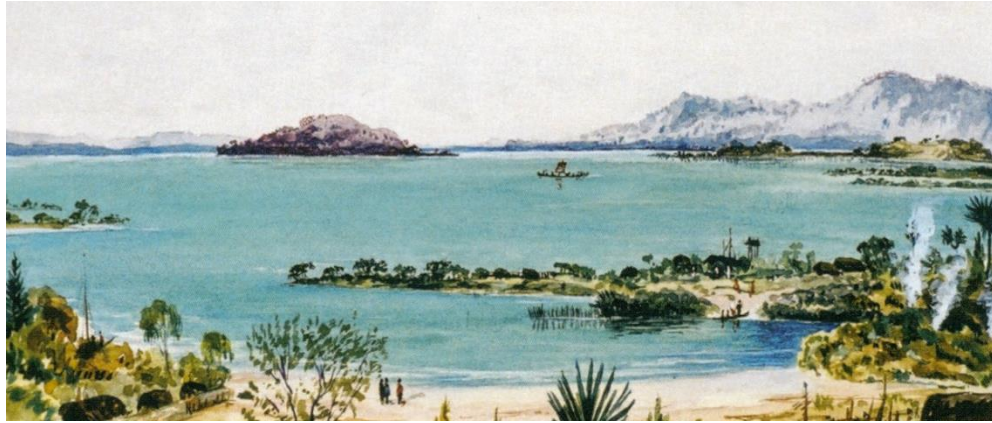
## Spatial Paepae

Sylvia Tapuke



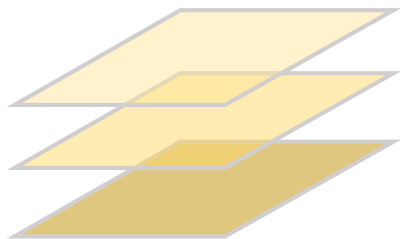


# Place-based bicultural tool in Rotorua: Ōhinemutu village

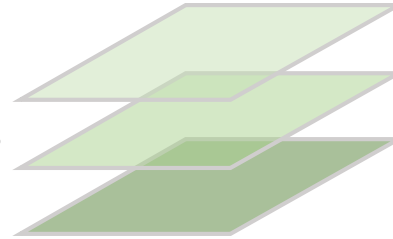


## ***Place-based tool mapping traditional stories and local mātauranga to ground urban regeneration***

Engaging Ngāti Whakaue in revisiting past spatial transformations in Ōhinemutu toward the reaffirmation of core values for the community to lead future transformation



Ngāwhā: Geothermal features  
Ngāwhā: Traditional uses  
Ngāwhā: Traditional stories and legends



Ngāwhā: Local mātauranga  
Ngāwhā: Other scientific information  
Ngāwhā: Contemporary stories

# Discussion

## The necessity for place-based bicultural tools in Aotearoa New Zealand's Town Planning

- **Structures of recognition:** Māori planning, mātauranga, and views as planning foundation
- **Authentic partnerships:** Mediated through empathy, mutual trust, purpose and continuity
- **Engagement is more than technology:** Culturally appropriate, and robust technology should support Māori planning pathways (not the other way around)
- **Engagement is more than 'another box to tick':** Collaborative partnerships can strengthen planning
- **Co-creation is a methodological pathway** toward transformational tools and processes

***Titiro whakamuri, kōkiri whakamua***

*‘Look back and reflect so we can  
move forward’*