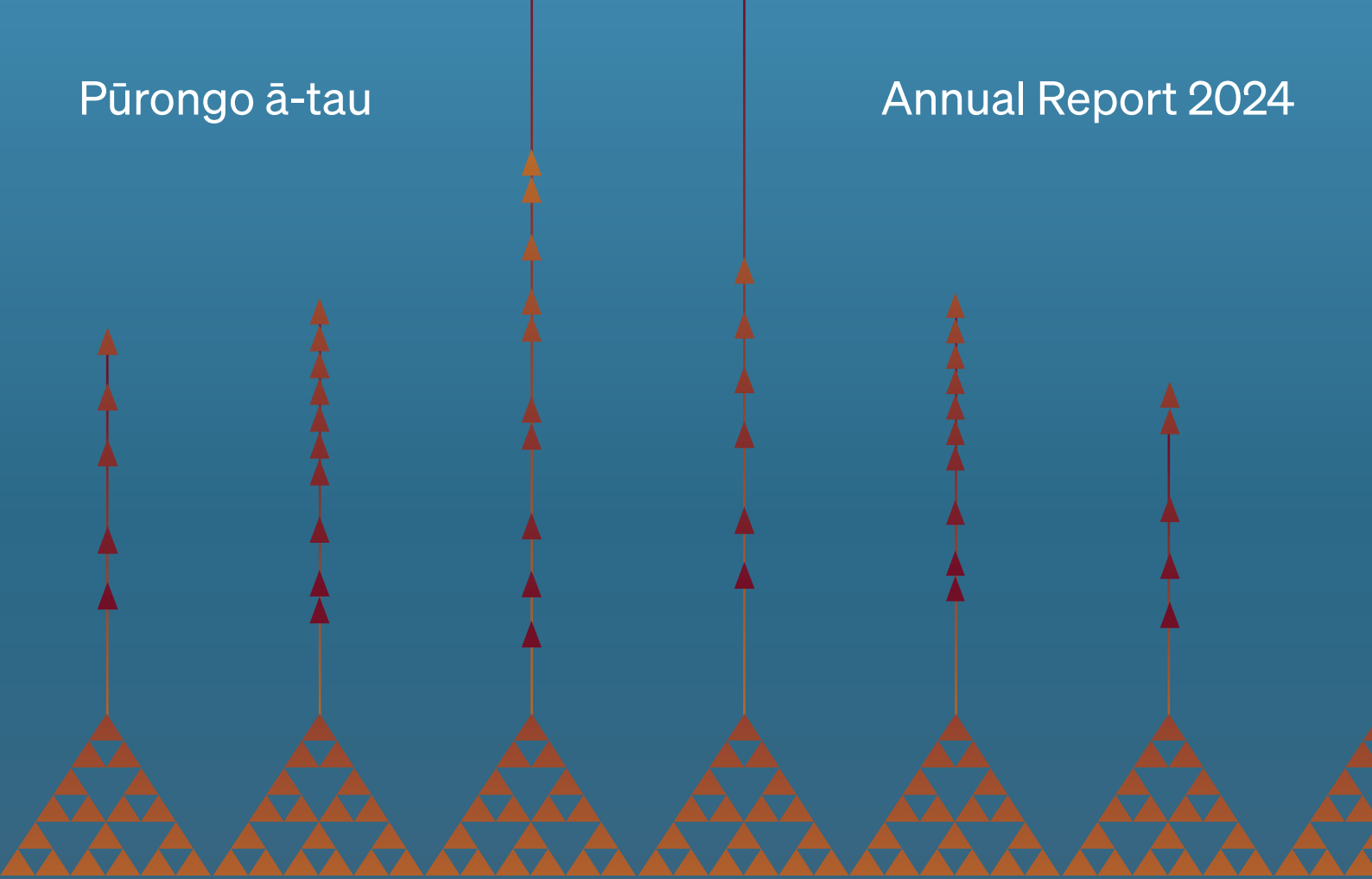


Pūrongo ā-tau

Annual Report 2024



*Hangaia he tūāpapa kia puāwai ai Te Ao Māori*



**Ngā Pae o te  
Māramatanga**

Aotearoa New Zealand's  
Māori Centre of  
Research Excellence



*Hangaia he tūāpapa kia  
Puāwai ai Te Ao Māori*

*Building the foundations for  
flourishing Māori futures*



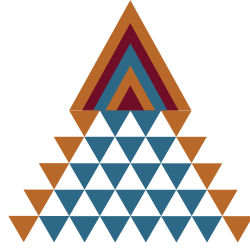
# Ngā Pae o te Māramatanga

Aotearoa New Zealand's Māori  
Centre of Research Excellence



**Pūrongo ā-Tau**  
Annual Report 2024





Whāia ngā pae o te māramatanga  
Ko te pae tawhiti, whāia kia tata  
Ko te pae tata, whakamaua kia tina  
E puta ai ki te whaiāo, ki te ao mārama!

*Pursue the many horizons of insight,  
Bring each one closer,  
Master them and emerge enlightened!*

Ngā Pae o te Māramatanga is a Centre of Research Excellence  
funded by the Tertiary Education Commission and hosted by  
the University of Auckland | Waipapa Taumata Rau



# He Mihi

Amo ake, amo ake, amo ake ai taku toki ko Te Āwhiorangi  
He toki kai ito, he toki kai piere nuku, he toki kurupatupatu  
Pōkai ā-nuku taku toki ki ngā matawhāura o muri nei  
Whano, whano! Tau mai te toki! Haumi ē!, Hui ē! Tāiki ē!

I te ao Māori e huritao nei mō te tau kua hori, māraakerake noa te kite  
Inā te tau ātete, he tau mautohe, he tau pōkaingia ngā tairo a kupe  
Kua kōkirikiritia tō tātou ahurea tuakiri, ahurea ngākau pono  
Otiia, nā te pōautinitini, kua tuia e ngai tāua anō hei tūmatakahuki

I reira hoki a Ngā Pae o te Māramatanga i hīkina te manuka me te kaupapa  
Inā te whakamanahau i ngā kairangahau Māori i tū ai ki te pae o te riri  
Kua taurimatia anō hoki te mahitahi, te whakakīkī kaupapa here  
Me te tauteka kaupapa Māori ki ngā hāpori iwi taketake

Ko te mutunga iho, hurō te whare nei i ngā tīpako momoho o te tau  
Ka whakamānawatia te whakataki punenga o te Poari,  
Me te maruwehi o ngā Pou Matarua me te Kāhui Ārahi.  
Koia nei te Pūrongo ā-tau, hei taunaki i ngā kawenga o te tau

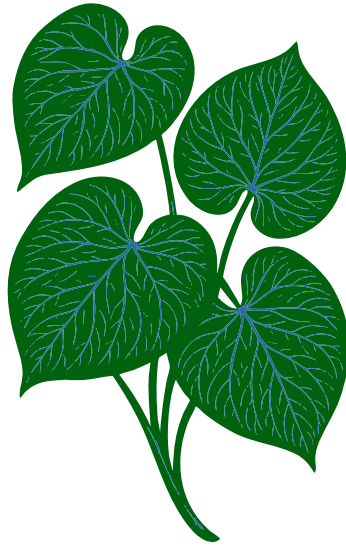
Tū taketake te ahurea tuakiri!  
Tū taketake te mana motuhake!  
Tū taketake te Tiriti o Waitangi!

# He Maimai Aroha

Paopao kurukuru paopao kurukuru te toki o aituā  
He paopao tē papare, he kurukuru tē kakaro  
He toki tāwhai ipukarea, tāwhai moka ā-tūainuku  
Mahue mai he ara matepōuri he ara matepōrehu

He tihi maunga te rua kōhā, he tihi maunga te rua kanapu  
Hei kōtua, inā te momo o ngā kāwai purapura tuawhiti kua riro  
He tāpui tāmaka, he whakatuatea, he hīnātore, he ariki taungaroa  
Koia pū te matekai o te toki o aituā, hoi, tōmitia te puna tētēkura

Kāti, e rere rā e te kāhui manukura e te apārangi manutāiko  
Ānō he kāhu kōrako e topa ana i ngā matapihi o ngā paeroa  
He kahu-mōtea kua ūhia ngā toki whakairo mō ake tonu atu  
Tangi taukuri te ao Māori, ka tangi hoki a Ngā Pae o te Māramatanga





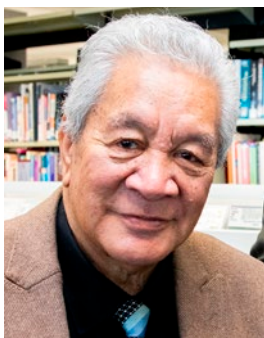
**Kiingi Tuheitia Pootatau Te Wherowhero VII**  
GCCT KSTJ KCLJ 1955–2024

Kiingi Tuheitia Pootatau Te Wherowhero was the seventh ariki to lead the Kiingitanga (Māori King Movement). The Kiingitanga was founded in 1858 with the aim of uniting tribes under a single sovereign and halting the alienation of Māori land. In the later years of his reign, Kiingi Tuheitia became known as 'The King of Kotahitanga' in recognition of his efforts to unify iwi, and strengthen collaboration and consensus-building in the face of divisive government policies. Read some of the many tributes to Kiingi Tuheitia at <https://thespinoff.co.nz/atea/30-08-2024/moe-mai-ra-tributes-flow-for-kiingi-tuheitia>



**Ngāpare Kaihina 'Polly' Hopa MNZM**  
Ngāti Wairere, Tūwharetoa, 1935–2024

Dr Ngāpare Hopa was a trailblazer for wāhine Māori in academia. She was the first wāhine Māori to gain a doctorate, graduating with a D.Phil in anthropology from the University of Oxford. Ngāpare worked as an academic in the United States and Aotearoa, and was recognised for her contributions to education and Māori development. Read more about Ngāpare's legacy on the Royal Society Te Apārangi website: <https://www.royalsociety.org.nz/news/remembering/>



**Takirimaiteata 'Koro Taki' Turner**  
Ngāti Amaru, 1944–2024

A much-loved kaumātua for the University of Waikato, Taki Turner was honored posthumously for his service to the university and to Māori communities. Koro Taki wore many pōtae, serving as a kaumātua for several kura in Kirikiriroa, as a trustee for Community Waikato, and on the paepae at Tūrangawaewae marae. Koro Taki's contributions are acknowledged in the University of Waikato announcement: <https://www.waikato.ac.nz/news-events/news/university-of-waikato-kaumatua-koro-taki-turner-honoured-with-posthumous-medal/>



**Sir Robert 'Bom' Gillies KNZM**  
Ngāti Whakaue, Ngāti Kahungunu, 1925–2024

The last surviving member of the 28th (Māori) Battalion, Sir Robert 'Bom' Gillies passed away on November 7, 2024, at the age of 99. He was a veteran of World War II, serving in significant battles such as those in North Africa and Italy, including the Battle of Cassino. A timeline of Sir Robert's life and experiences can be read on Wikipedia: [https://en.wikipedia.org/wiki/Bom\\_Gillies](https://en.wikipedia.org/wiki/Bom_Gillies)



**Professor Angus Hikairo Macfarlane CNZM FRSNZ**  
Ngāti Whakaue, Te Arawa, 1946–2024

Professor Angus Macfarlane had a long association with Ngā Pae o te Māramatanga as a senior scholar and mentor to many. A former Professor of Māori Research and Director of the Māori Research Laboratory Te Rū Rangahau at the University of Canterbury, Angus left an exceptional legacy of transforming research theory and practice. His attention to theorising issues from within Māori and Western epistemologies empowered Māori and non-Māori to frame research questions and select methodologies and data-gathering procedures that 'made sense' to Māori whānau and educators. Angus's deliberate bicultural approach to research is best exemplified in his seminal models, the Educultural Wheel, his He Awa Whiria framework that was adopted as a model of best practice by Social Policy Research and Evaluation Unit for its research on whānau and families, and his leadership in the development of the Hikairo Schema and the Mana Model. Visit the Royal Society Te Apārangi website to read more about Angus's accomplishments and contributions.

# Contents

<b>Te Iho o NPM</b>	<b>9</b>
<i>About Us</i>	
Te Pou Whāinga <i>Our Mission</i>	10
Te Matakitenga <i>Our Vision</i>	10
Ngā Pou Kura <i>Our Values</i>	11
Ngā Pātai <i>Our Questions</i>	12
Rangahau <i>Our Research</i>	12
Ngā Pae Kairangatira <i>Our Excellence Platforms</i>	13
Ngā Rautaki <i>Our Strategies</i>	13
<b>Te Whakatutuki i Ngā Whāinga</b>	<b>15</b>
<i>Realising Our Goals</i>	
Ngā Tīpako <i>Highlights 2024</i>	16
NPM Snapshot 2024	18
He Pūmahara nō te Tiamana <i>From the Board Chair</i>	19
Te Poari o NPM <i>The NPM Board</i>	20
He Pūmahara nō ngā Pou Matarua <i>From the Co-Directors</i>	21
<b>Ngā Ruānuku</b>	<b>23</b>
<i>Our Wisdom Holders</i>	
Ngā Ruānuku <i>Our Wisdom Holders</i>	24
Te Tira Takimano <i>Electoral College of Partners</i>	26
<b>Whakanuia te Angitū</b>	<b>31</b>
<i>Celebrating Success</i>	
<b>Ngā Rangahau</b>	<b>39</b>
<i>Our Research</i>	
Tūhononga ā-Ao <i>International Connectedness</i>	41
IIRC 2024 – Sold Out	43
Keynote Speakers	44
Indigenous Data Sovereignty Masterclass	46
Tri-Academy Partnership on Indigenous Engagement	46
International Leadership and Engagement	48
Rangahau Ōhanga 2024	51
Kaupapa Mātāmua <i>Featured Work</i>	53
Whakaaweawe <i>Influencing Transformation</i>	58
Ngā Amokapua Rangahau ā Mua <i>Future Research Leaders</i>	60
He Hua Kua Puta <i>Selected Outputs</i>	61

<b>Pae Ahurei</b> <i>Living Uniquely</i>	63
Ngā Tipako <i>Highlights 2024</i>	67
Rangahau <i>Research</i>	68
Whakaaweawe <i>Influencing Transformation</i>	71
Ngā Amokapua Rangahau ā Mua <i>Future Research Leaders</i>	75
He Hua Kua Puta <i>Selected Outputs</i>	77
<b>Pae Ora</b> <i>Living Well</i>	79
Ngā Tipako <i>Highlights 2024</i>	83
Rangahau <i>Research</i>	84
Whakaaweawe <i>Influencing Transformation</i>	88
Ngā Amokapua Rangahau ā Mua <i>Future Research Leaders</i>	90
He Hua Kua Puta <i>Selected Outputs</i>	93
<b>Pae Tawhiti</b> <i>Living Lightly</i>	95
Ngā Tipako <i>Highlights 2024</i>	99
Rangahau <i>Research</i>	100
Whakaaweawe <i>Influencing Transformation</i>	104
Ngā Amokapua Rangahau ā Mua <i>Future Research Leaders</i>	107
He Hua Kua Puta <i>Selected Outputs</i>	109
<b>Pae Auaha</b> <i>Living Smartly</i>	111
Ngā Tipako <i>Highlights 2024</i>	115
Rangahau <i>Research</i>	116
Whakaaweawe <i>Influencing Transformation</i>	119
Ngā Amokapua Rangahau ā Mua <i>Future Research Leaders</i>	122
He Hua Kua Puta <i>Selected Outputs</i>	123
<b>Ngā Rautaki</b>	125
<i>Our Strategies</i>	
Ngā Tipako <i>Highlights 2024</i>	126
Te Kupenga o MAI	128
Knowledge Sharing	131
Kanapu	132
AlterNative <i>A New Zealand Journal of Indigenous Peoples</i>	136
MAI Journal <i>A New Zealand Journal of Indigenous Scholarship</i>	138
<b>NPM Whānau</b>	139
<b>Te Taha Pūtea</b> <i>Financials</i>	143
Ngā Pae o te Māramatanga <i>TEC Financial Report</i>	144
Centre Summary 2024	145
<b>Te Whakapā Mai</b> <i>Contact</i>	146









*Te Iho  
o NPM*

*About  
Us*

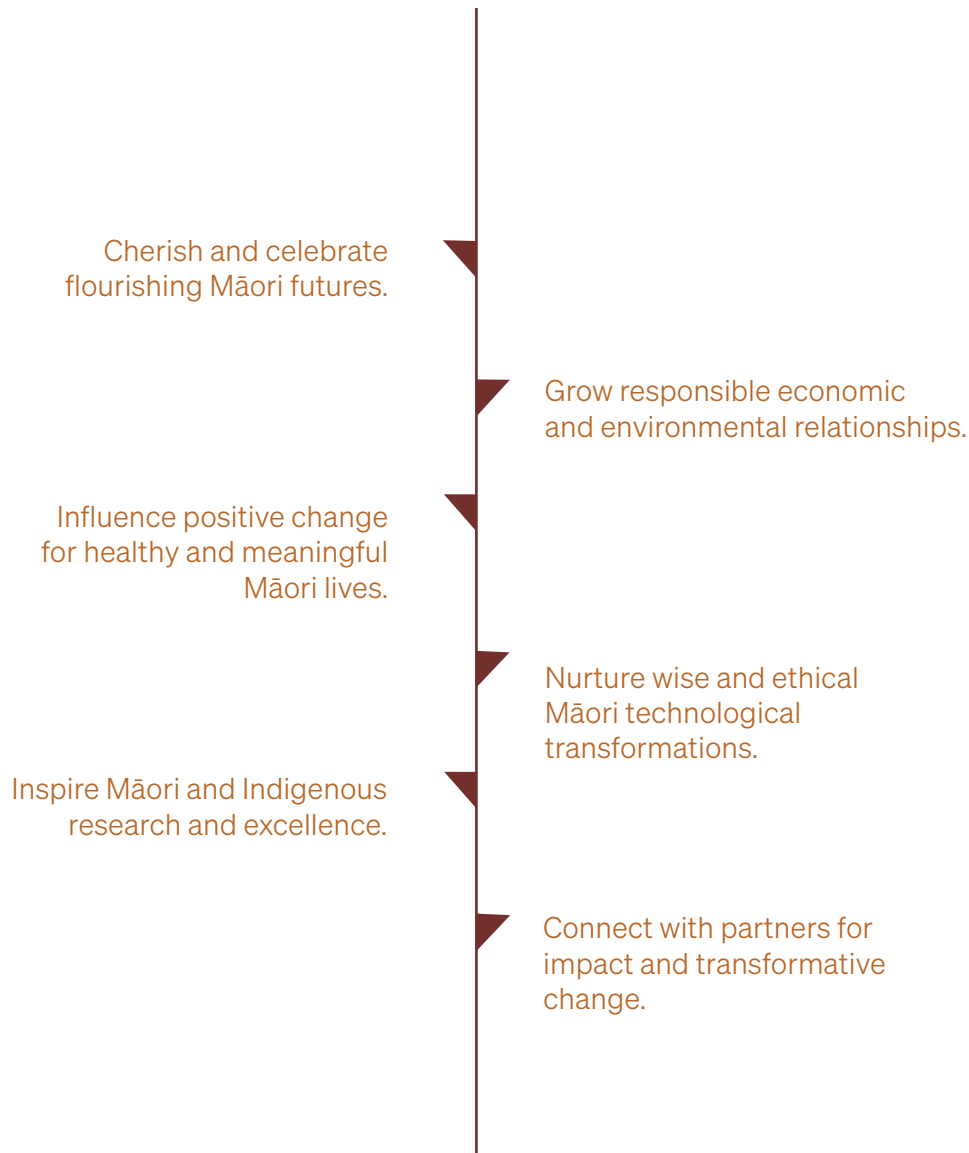
# Te Pou Whāinga

## *Our Mission*

Our mission is to grow and enhance excellent Māori researchers and Māori-led research that together build the foundations for flourishing Māori futures. Te reo, tikanga and mātauranga, and our vast network of Māori researchers, communities and partners, in transformation define and distinguish Ngā Pae o te Māramatanga as Aotearoa New Zealand’s Māori Centre of Research Excellence.

# Te Matakiteinga

## *Our Vision*





# Ngā Pou Kura *Our Values*

## *Rangatiratanga*

We lead with integrity and commitment to our people.

## *Kaitiakitanga*

We care responsibly for each other, the planet and future generations.

## *Manaakitanga*

We respect all life forces.

## *Whanaungatanga*

We build genuine and meaningful relationships.

## Ngā Pātai

### *Our Questions*

Four Pātai or critical systems-oriented questions generate transformative interventions and policy advice for stakeholders and next users. All of our research will contribute mātauranga-informed theories, models and evidenced solutions in response to our Pātai. Our Pātai serve to integrate and energise our programme and Pae serve to synthesise our research for next stage impact and outcomes.

#### *Pātai Te Ao Māori*

How can te reo, tikanga and mātauranga continue to inform our futures?

---

#### *Pātai Whānau*

How can whānau wellbeing be realised in everyday life?

---

#### *Pātai Mauri*

How can mātauranga inform and drive sustainable and just societal practices?

---

#### *Pātai Puāwai*

How can research be used transformatively to accelerate the achievement of flourishing Māori futures?

## Rangahau

### *Our Research*

NPM research solves real-world challenges facing Māori. We do so in Māori-determined and Māori-inspired ways, engendering sustainable relationships that grow the mana (respect and regard) and mauri (life essence) of the world we inhabit. The excellence and expertise of the NPM researcher network is organised by four Te Ao Māori knowledge and excellence clusters or Pae. Pae are where our researchers rise with Te Ao Māori knowledge, tools and expertise to build a secure and prosperous future for Māori and Aotearoa New Zealand. Pae are purposefully expansive and inclusive, supporting transdisciplinary teams and approaches. Our 2021–2028 programme of work will look to the far future to assure flourishing Māori futures for generations to come. With Māori intended as the primary beneficiaries of our research, our programme will reinforce the firmly established foundations of mātauranga Māori through sound research attuned to the lived experience of Māori.

# Ngā Pae Kairangatira *Our Excellence Platforms*

## *Pae Aburei – Living Uniquely*

Research to cherish and celebrate  
distinctively Māori futures.

## *Pae Ora – Living Well*

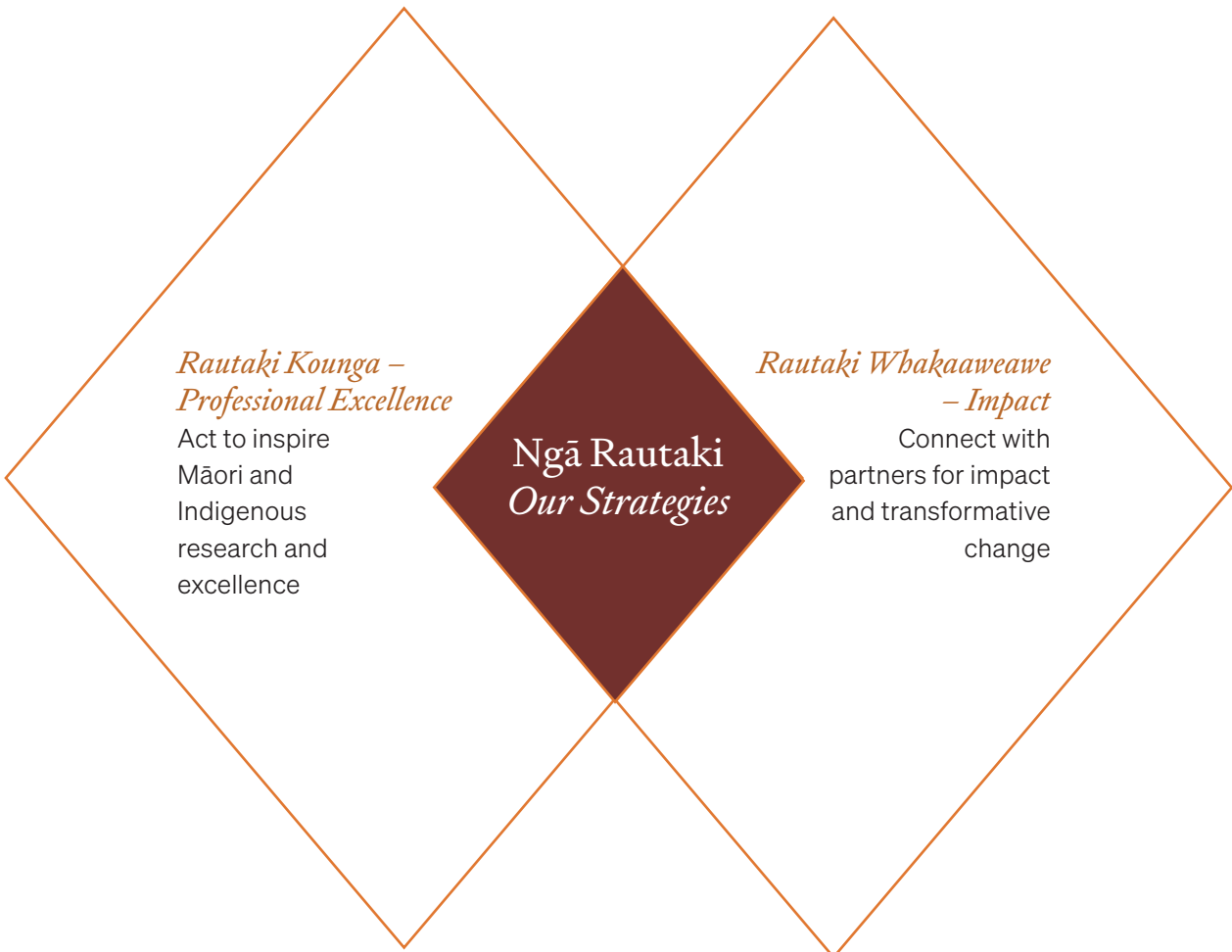
Research to influence positive change  
for healthy and meaningful lives.

## *Pae Tawhiti – Living Lightly*

Research that pursues responsible social,  
economic and environmental relationships.

## *Pae Auaha – Living Smartly*

Research that creates wise and ethical technological  
transformations.









The cover features a dark red background with a complex geometric pattern of overlapping diamond shapes in a lighter red hue. The design is framed by vertical borders on the left and right, each consisting of a series of downward-pointing triangles in alternating shades of gold and dark red. The title is centered within a large diamond shape.

*Te Whakatatuki  
i Ngā Whāinga*

*Realising  
Our Goals*



## *Ngā Tīpako* *Highlights 2024*

### **IIRC2024 back in-person after COVID-19**

The biennial International Indigenous Research Conference (IIRC2024) exceeded expectations with 650+ attendees and 320 paper presentations. NPM increased its capacity from six to seven concurrent streams to accommodate more speakers, reinforcing our position as a global hub for Indigenous research exchange.



### **Record-breaking Matakiteanga research round focused on Pae Auaha**

The 2024 Matakiteanga round awarded \$570k across 11 new projects, seven of which focused on Pae Auaha (Data | Technology)—a significant step in building Māori-led research capacity in digital innovation and technological futures.



### **Hosting the UN Special Rapporteur on the rights of Indigenous Peoples**

NPM returned for the first time since COVID-19 to our whare rūnanga Tāne-nui-ā-rangi to host the Nin Tomas Memorial Lecture with guest speaker UN Special Rapporteur on the rights of Indigenous Peoples, Francisco Cali Tzay.

## **Approval of NPM's 2025–2028 Strategic Plan by TEC**

The Tertiary Education Commission formally accepted NPM's 2025–2028 plan with no major changes, validating the Centre's research vision, governance, and alignment with sector priorities.



## **International Leadership and Indigenous Engagement**

NPM Pou Matarua represented NPM at key Indigenous knowledge gatherings in Taiwan, Washington DC, Nepal, Chile, and Vancouver helping to shape global conversations on Indigenous data, transitional justice, and research impact.



## **Appointment of Professor Melinda Webber as Incoming Pou Matarua**

Following a robust selection process, Professor Melinda Webber was unanimously supported as the next Host Pou Matarua. A transitional co-leadership model with Professor Linda Waimarie Nikora is underway, ensuring continuity and strategic depth.



## **Strategic Influence in National Policy and Treaty Advocacy**

NPM provided research-informed submissions to the Science System Advisory Group and supported collective responses to the Treaty Principles Bill. Its researchers were active during the nationwide *Hīkoi mō te Tiriti*, advocating for Tiriti-based futures through both scholarship and action.



7

*In-progress  
FIRST and  
SECOND research  
programmes*

18

*Live  
Matakitenga  
projects*

9

*New  
Whakaaweawe  
projects in  
2024*

8

*Completed  
Matakitenga  
projects*

11

*New  
Matakitenga  
projects in  
2024*

20

*PhD full  
scholarships  
since 2021*

12

*Raumati  
interns in  
2024/25*



# He Pūmahara nō te Tiamana

## *From the Board Chair*

Tāmaua! Tāmaua!  
 Tāmaua te apa o ngā kahika  
 Tāmaua te kura huna o ngā kauwehe  
 Tāmaua te tiro ā-Māori ki tōna ake ao

E aku hirikapo atamai o te Ao Māori  
 Tēnei te kupu whakamiha e rere arorangi nei  
 Ki a tātou e tāroia Ngā Pae o te Māramatanga  
 Kōkiri!



PHOTOGRAPH: SUPPLIED

Tēnā koutou katoa,

As Chair of the Ngā Pae o te Māramatanga (NPM) Board, I am proud to reflect on a year where resilience, adaptability and commitment have defined our work. The rapidly shifting landscape of the science and education sectors in Aotearoa presented significant challenges in 2024, yet NPM has continued to uphold its role as a leader in Indigenous research, ensuring that Māori voices, values and aspirations remain central to the research ecosystem.

Throughout the year, the sector has faced uncertainty driven by policy changes, funding constraints, and ongoing debates about the role of mātauranga Māori within academic and institutional spaces. These challenges have required not only advocacy but also innovative thinking. NPM has responded by reinforcing its strengths – our people, our networks, and our unwavering commitment to excellence in Indigenous-led research. Our Kanapu platform has continued to deepen research connections and capacities within communities through its bespoke mix of wānanga, masterclass and mentoring offerings.

The success of the Matakiteanga research round, with a record number of applications focusing on Pae Auaha (Data | Technology), is a testament to the creativity and capability of our researchers. Similarly, the Indigenous Data Sovereignty Masterclass, timed alongside IIRC2024, showcased our ability to amplify Indigenous leadership on critical global issues.

Our advocacy efforts have also been at the forefront. From contributing to the Science System Advisory Group and University Advisory Group reviews, to supporting submissions on the Treaty Principles Bill, NPM has championed the principles of te Tiriti o Waitangi and the integration of mātauranga Māori into national frameworks. In doing so, we have reinforced the importance of Indigenous knowledge as a cornerstone of Aotearoa's research future.

Despite the complexities of the current environment, NPM continues to grow its influence. This is evident in the breadth of our international engagements, such as the Association of Pacific Rim Universities (APRU) Indigenous Knowledges Network and the Royal Society Te Apārangi, Royal Society Canada and Australian Academy of Science. These collaborations not only extend our global impact but also ensure that Indigenous knowledge is positioned as a vital contributor to solving the world's most pressing challenges.

Looking ahead, the Board remains committed to guiding NPM through these uncertain times. Our focus will remain on fostering resilience within the Māori Research Science and Innovation workforce, strengthening research relevance and impact, and ensuring that NPM continues to lead with integrity, purpose and innovation.

**Ngā manaakitanga, Kerensa Johnston**  
**Chair, Ngā Pae o te Māramatanga Board**

# Te Poari o NPM

## *The NPM Board*

### **Kerensa Johnston (Chair)**

Ngāti Tama, Ngāruahine, Te Ātiawa, Ngāti Whāwhakia  
Wakatū Incorporation

### **Professor Te Kawehau Hoskins**

Ngāti Hau, Ngāpuhi  
Waipapa Taumata Rau | The University of Auckland (UoA)

### **Dr Amokura Kawharu**

Ngāpuhi, Ngāti Whātua  
Te Aka Matua o te Ture | Law Commission

### **Professor Pare Keiha**

Te Aitanga-a-Māhaki, Rongowhakaata  
Te Wānanga Aronui o Tāmaki Makau Rau | Auckland University of Technology (AUT)

### **Professor James Metson**

Waipapa Taumata Rau | The University of Auckland (UoA)

### **Associate Professor Te Manahau (Scotty) Morrison**

Ngāti Whakaue  
TVNZ, Te Kunenga ki Pūrehuroa | Massey University (MU)

### **Erina Watene**

Waikato, Ngāti Maniapoto, Ngāi Te Rangi  
Ngā Koiora Tuku Iho | New Zealand's Biological Heritage National Science Challenge

### **Che Wilson**

Ngāti Rangi-Whanganui, Tūwharetoa, Mōkai, Pātea, Ngāti Apa, Ngā Rauru  
NAIA Limited

## He Pūmahara nō ngā Pou Matarua *From the Co-Directors*

*Mehemea ka moemoeā ahau, ko ahau anake  
Mehemea ka moemoeā tātou, ka taea e tātou*

This much-loved whakataukī from the visionary leader Te Puea Hērangi epitomises the spirit of mobilisation and momentum within our Ngā Pae o te Māramatanga network throughout 2024.

Despite the many challenges that arose – from attacks on Te Tiriti o Waitangi to the defunding of the humanities and social sciences – our researchers and communities were relentless in their efforts to keep progressing our collective ambition to realise the future flourishing of our people, our culture, our language, and our environs.

Connection and collaboration were key, with ample opportunity to activate our networks. Many of our researchers drew on their research expertise to write and present submissions on various Bills before parliament, and to input into major reviews of the science sector and universities. Our international connectedness had a major boost with the International Indigenous Research Conference, which gathered 650+ Indigenous researchers, innovators and knowledge-holders from all disciplines, and all parts of the world. The conference theme ‘Whitika tauā: Research solidarities’ struck a chord with our participants, bringing home the importance of solidarity, knowledge sharing and collective empowerment.

This ethos carried through to the annual gathering of Māori and Indigenous doctoral scholars at the MAI hui-ā-tau hosted by Abigail McClutchie and her team at MAI ki Tāmaki. The popularity of the hui-ā-tau has seen a big increase in demand, not only from within Aotearoa, but also from Indigenous doctoral scholars overseas. We are always incredibly inspired and impressed with the brilliance and leadership of our next generation of researchers and are delighted to feature some of them in this report.

Our mission-led approach to research means that we are constantly thinking about what we can do better to enable and accelerate flourishing Māori futures. This year we focused our Matakiteanga Fund on research that aligned with Pae Auaha – a distinctively Māori vision of data and technology. We were thrilled with the quality and creativity of the applications we funded and see huge potential to make an impact in this fast-growing area. In this annual report we are also featuring some of the work that our researchers have been doing in the ōhanga Māori (Māori economy) space, led by Professor Chellie Spiller, and supported by an interdisciplinary team of researchers with strong connections to industry and communities.

Finally, our Kanapu platform has continued to provide a critical link to our community-based researchers and innovators, providing meaningful opportunities to connect, share, test ideas, access practical tools and receive bespoke mentoring. We look forward to seeing what the next year brings for Kanapu as it continues to mature and evolve.

**Nā māua,**

**Professor Linda Waimarie Nikora FRSNZ**

**Professor Tahu Kukutai FRSNZ**



**Professor Tahu Kukutai (top) and  
Professor Linda Waimarie Nikora.**  
Photograph: NPM









*Ngā  
Ruānuku*

*Our Wisdom  
Holders*

*Ngā Ruānuku*  
*Our Wisdom Holders*

*Kaitiaki*  
*Tā Pita R. Sharples*

KNZM, CBE

Ngāti Kahungunu



*Emeritus Professor*  
*Ngāhuia*  
*Te Awekōtuku*

MNZM, FAWMM, CRSNZ

Te Arawa, Tūhoe, Waikato

*Emeritus Professor  
Tā Mason Harold  
Durie*

ONZ, KNZM, FRANZCP,  
FNZAH, FRSNZ

Rangitāne, Ngāti Kauwhata,  
Raukawa



*Adjunct Professor  
Tā Tīpene O'Regan*

ONZ, KNZM, CRSNZ

Ngāi Tahu



*Distinguished Professor  
Linda Tubiwai Smith*

CNZM, FRSNZ

Ngāti Awa, Ngāti Porou



# Te Tira Takimano

## *Electoral College of Partners*

### Te Tira Takimano (TTT) Hui-ā-Tau

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#### Hui-ā-Tau Brings Together TTT Partners and NPM Researchers in Wellington

The annual Hui-ā-Tau once again provided a valuable opportunity for TTT partners, NPM board members, the Secretariat, and invited guests to come together, reflect on the past year, and plan for the future. This year's gathering took place at the West Plaza Hotel in Wellington on May 16.

Following a warm welcome from NPM Chair Kerensa Johnston, the hui commenced with whanaungatanga and partner updates. The 2023 annual report was presented by the NPM Co-Directors, sparking discussions on strengthening partnerships and progressing shared initiatives.

A key focus of the event was NPM's mission to support flourishing Māori futures with attendees hearing directly from researchers about their work.

#### Research Presentations Highlight Key Issues

Matakitenga researcher **Morgan Tupaea** (Ngāti Kuia, Ngāti Koata, Ngāti Tiipa, Te Aitanga a Māhaki) shared insights into her research aimed at enhancing the wellbeing of rangatahi takatāpui. Her work includes developing guidelines and resources to support this kaupapa.

NPM PhD scholarship recipient **Jennifer McGregor** (Raukawa, Waikato) presented her research into culturally safe spaces for Māori nurses, emphasising the role of Kawa Whakaruruhau as a central framework.

Fellow PhD scholar **Te Kapua O'Connor** (Ngāti Kurī, Pohūtiare) explored the tikanga of ahikā, examining how it was historically used alongside whakapapa to determine mana over specific lands and seas. He provided a compelling look at traditional ahikā practices and the language used to describe different states of occupation.

Legal scholar **Nikorima Nuttall** (Raukawa), a past recipient of NPM's Borrin Foundation legal internship, discussed his research on the evolving role of tikanga and te Tiriti in shaping legal and policy frameworks in Aotearoa. Now working for a law firm in Wellington, he continues to contribute to this critical field.

Attendees left inspired by the depth of research presented and the dedication of scholars who travelled from across the motu to contribute to the hui. As always, the Hui-ā-Tau reinforced the strength of collective partnerships and the ongoing commitment to Māori research excellence.

**Opposite: Te Tira Takimano Hui-ā-Tau, Wellington.** Photographs: Cindy McQuade





## TTT Partner representatives

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### **Dr Rāwiri Tinirau (Co-Chair)**

Te Āti Haunui-ā-Pāpārangi, Ngāti Rangi, Ngāti Tūwharetoa, Ngāti Kahungunu, Tūhoe  
Te Atawhai o te Ao

### **Professor David Tipene-Leach MNZM (Co-Chair)**

Ngāti Kahungunu  
Te Aho a Māui | Eastern Institute of Technology (EiT)

### **Professor Te Kawehau Hoskins**

Ngāti Hau, Ngāpuhi  
Waipapa Taumata Rau | University of Auckland (UoA)

### **Dr Valance Smith**

Ngāpuhi, Waikato, Ngāti Haina, Ngāti Pākehā  
Te Wānanga Aronui o Tāmaki Makau Rau | Auckland University of Technology (AUT)

### **Associate Professor Hinekura Smith (acting)**

Te Rarawa, Ngāpuhi, Te Ātiawa  
Te Whare Wānanga o Wairaka | UNITEC

### **Rowena Dunn**

Ngāti Whātua  
Ngāti Whātua Ōrākei Whai Maia Ltd

### **Vasiti Margaret Palavi**

Te Rarawa, Ngāti Kuia  
Tāmaki Paenga Hira | Auckland War Memorial Museum (AWMM)

### **Professor Kura Paul-Burke**

Ngāti Awa, Ngāti Whakahemo  
Te Whare Wānanga o Waikato | University of Waikato (UoW)



Dr Rāwiri Tinirau  
and Professor David  
Tipene-Leach.  
Photographs: NPM

**Associate Professor Marama Muru-Lanning**

Waikato Tainui, Ngāti Maniapoto  
Waikato-Tainui College for Research and Development

**Dr Shireen Maged**

Te Whare Wānanga o Aotearoa (TWOA)

**Professor Te Kani Kingi**

Ngāti Pūkeko, Ngāti Awa, Ngāi Tai  
Te Whare Wānanga o Awanuiārangi (TWWoA)

**Distinguished Professor Graham Smith**

Ngāti Porou, Ngāi Tahu, Ngāti Apa and Ngāti Kahungunu  
Te Kunenga ki Pūrehuroa | Massey University (MU)

**Dr Amohia Boulton**

Ngāti Ranginui, Ngāi te Rangi, Ngāti Pūkenga, Pirirākau, Ngāti Kahu  
Whakauae Research Services for Māori Health & Development

**Associate Professor Meegan Hall**

Ngāti Ranginui, Ngāi te Rangi, Ngāti Tūwharetoa  
Te Herenga Waka | Victoria University of Wellington (VUW)

**Holden Hohaia**

Ngāti Maru, Taranaki Whānui ki te Ūpoko o te Ika  
Manaaki Whenua | Landcare Research (MWLR)

**Dr Arapata Hakiwai**

Ngāti Kahungunu, Rongowhakaata, Ngāti Porou, Ngāi Tahu  
Te Papa Tongarewa | Museum of New Zealand

**Anaru Luke**

Ngāti Rārua, Ngāti Toa Rangatira, Rangitāne ki Wairau, Te Ātiawa,  
Ngāti Maniapoto, Ngāti Kinohaku  
Cawthron Institute

**Professor Shaun Ogilvie**

Ngāti Whakahemo, Ngāti Awa, Ngāti Pūkeko  
Te Whare Wānanga o Waitaha | University of Canterbury (UC)

**Liz Brown**

Ngāi Tahu  
Tokona te Raki: Māori Futures Collective

**Sheree Jahnke-Waitoa**

Te Whare Wānaka o Aoraki | Lincoln University (LU)

**Associate Professor Anaru Eketone**

Ngāti Maniapoto, Waikato  
Te Whare Wānanga o Ōtākou | University of Otago (UoO)







The background is a solid orange color. It features a large, double-lined diamond shape in the center. This diamond is surrounded by a border of smaller, repeating diamond shapes. The text is centered within the large diamond.

*Whakānuia  
te Angitū*

*Celebrating  
Success*

# New Zealand Honours



PHOTOGRAPH: SUPPLIED

## Prime Minister's Science Prize

The Otago-led Hereditary Diffuse Gastric Cancer Group received the Prime Minister's Te Puiaki Pūtaiao Matua a Te Pirimia Science Prize 2023. Members of the group include Associate Professor Karyn Paringatai, Maybelle McLeod, Professor Parry Guilford, Erin Gardiner and Dr Jeremy Rossaak.

Members of the IIRC2024 keynote panel received the Prime Minister's Science Prize this year. From left to right: Prime Minister Rt Hon Christopher Luxon, Karyn Paringatai, Maybelle McLeod, Parry Guilford, Erin Gardiner, Jeremy Rossak and Science and Innovation Minister Hon Judith Collins.

## Women in Governance Award 2024 – Māori Governance

Professor Rawinia Higgins  
Tūhoe



PHOTOGRAPH: SUPPLIED

## MNZM

Professor Yvonne Underhill-Sem  
Cook Island, Niuean, Pākehā

For services to tertiary education and Pacific development



PHOTOGRAPH: ROYAL SOCIETY TE APARANGI



PHOTOGRAPH: REBECCA MCMILLAN PHOTOGRAPHY

## 2024 Icon Arts Award | Whakamana Hiranga

Tā Pita Sharples KNZM, CBE  
Ngāti Kahungunu

## *Royal Society of New Zealand / Te Apārangi Fellows*

### **Ngā Ahurei Fellows**

Associate Professor Carwyn Jones  
Ngāti Kahungunu ki Te Wairoa (TWOR)

Professor Joanna Kidman  
Ngāti Maniapoto, Raukawa (VUW)

## *Royal Society of New Zealand / Te Apārangi Awards*

### **Te Kōpūnui Māori Research Award**

Dr Maree Sheehan  
Ngāti Maniapoto-Waikato, Ngāti Tūwharetoa, Ngāti Tahu-Ngāti Whāoa,  
Clan Sheehan, Clan Marshall

### **Early Career Research Excellence Award for Social Sciences**

Associate Professor Lara Greaves  
Ngāpuhi, Pākehā, Tarara

### **Te Puāwaitanga Research Excellence Award**

Associate Professor Daniel Hikuroa  
Ngāti Maniapoto, Ngāti Mahuta, Ngāti Whanaunga

### **Royal Society Te Apārangi Early Career Research Excellence Award for Humanities**

Dr Luke Fitzmaurice-Brown  
Te Aupōuri

## *Health Research Council of New Zealand Awards*

### **Te Tohu Rapuora Medal**

Cheryl Davies  
Raukawa, Ngāti Wehiwehi, Ngāti Mutunga ki Te Wharekauri  
For leadership, excellence, and contributions to advancing Māori health

## *New Professors*

### **Waipapa Taumata Rau**

Professor Claire Charters

Ngāti Whakaue, Tūwharetoa, Ngāpuhi and Tainui

### **Te Wānanga Aronui o Tāmaki Makau Rau**

Professor Khylee Quince

Ngāpuhi, Te Roroa, Ngāti Porou, Ngāti Kahungunu

### **Te Whare Wānanga o Waikato**

Professor Bridgette Masters-Awatere

Te Rarawa, Ngati Kahu ki Whangaroa,  
Ngāti Tūwharetoa ki Kawerau, Ngai te Rangi

Professor Jason Mika

Tūhoe, Ngāti Awa, Te Whakatōhea, Ngāti Kahungunu

### **Te Kunenga ki Pūrehuroa**

Professor Fiona Te Momo

Ngāti Porou

### **Te Whare Wānanga o Ōtākou**

Professor Cameron Lacey

Te Ātiawa

Professor Ricci Harris

Ngāti Kahungunu, Ngāi Tahu, Raukawa

Professor Reremoana Theodore

Ngāpuhi



## *Partnership Awards*

### **New Horizons for Women's Trust – NPM Wahine Ora Award**

Deb Cole

Ngāti Hine, Ngāi Takoto, Ngāti Kahu, Te Rarawa, Te Aupōuri, Ngāti Kurī,  
Ngāti Whātua ki Kaipara

Tracey Witehira

Ngāpuhi, Ngāti Porou

## *Fulbright Awards*

### **Fulbright | NPM Graduate Award**

Finley Ngarangi Johnson

Ngāti Rongomaiwahine, Ngāti Kahungunu

### **Fulbright | NPM Scholar Award**

Hona Black

Tūhoe, Te Whānau-ā-Apanui, Te Whakatōhea, Ngāti Tūwharetoa

### **Fulbright Science and Innovation Graduate Award**

Jackson Cate

Te Ātiawa

Ryan Meachen

Ngāti Te Wehi, Ngāti Huia ki Poroutawhao

### **Fulbright New Zealand General Graduate Award**

Pita Roycroft

Ngāti Tūwharetoa, Ngāti Kahungunu

Matthew Kereama

Ngāti Manomano

Amelia Kendall

Te Rarawa

Meg Porteous

Ngāti Maniapoto/Pākehā

### **Fulbright New Zealand Scholar Award**

Dr Jesse Pirini

Ngāti Tūwharetoa, Te Whakatōhea

## *Michael and Suzanne Borrin Foundation Awards*

### **Borrin Foundation – Ngā Pae o te Māramatanga Legal Research Summer Internship Awards**

#### **Indigenous Visual Jurisprudence – Developing A Definition**

**Interns:** Shannon Mihaere (Rangitāne o tamaki nui-ā-Rua, Ngāti Porou, Ngāi Tai ki Tāmaki, Waikato Tainui) (UoA) and Eden Irvine (Ngāti Whātua o Ōrākei, Ngāti Maniapoto) (UoO).

**Supervisor:** Metiria Stanton Turei (Ngāti Kahungunu ki Wairarapa, Āti Haunui a Pāpārangī, Te Ātiawa, Rangitāne) (UoO)

This project explored the emerging field of Indigenous Visual Jurisprudence, examining how indigeneity, social order and experiences of coloniality are expressed through visual representation, including through art, architecture and textile design.

By engaging with legal theory on visual jurisprudence and contemporary socio-legal research, we analysed the aesthetic and moral dimensions of Indigenous visual legal representation. Our work reviewed Indigenous and non-Indigenous scholarship, as well as Indigenous exhibitions, to consider how law is communicated and embodied in visual forms.

This research aims to be a catalyst for deeper academic inquiry, contributing to the development of a jurisprudential framework that reflects the visual dimensions of legal indigeneity. It marks the beginning of an important kōrero; one that invites further scholarship, dialogue and recognition of Indigenous legal expression. This work considers law as more than words on a page, seeing it instead as something woven into the textures of lived experience – etched into landscapes, carried through whakapapa, embodied in creative expression. Jurisprudence can be something seen, felt, embodied; where meaning is not only found in written authority, but also in pattern, form and the spaces between.

### **Borrin Foundation – Ngā Pae o te Māramatanga Postgraduate Scholarship Awards**

**Jacobi Kohu-Morris**

Ngāi Te Rangī, Ngāti Awa, Ngāti Ranginui

**Rhianna Morar**

Ngāti Porou, Tapuika

**Nerys Udy**

Ngāi Tahu

## *Cawthron Institute*

### **Cawthron – Ngā Pae o te Māramatanga Te Pītau Whakarei Karahipi Internship Award**

#### **Indigenising Cawthron's Microalgae Culture Collection**

**Intern:** Jessi Gould (Ngāti Kuia) (UoW)

**Supervisor:** Anaru Luke (Ngāti Rārua, Ngāti Toa Rangatira, Rangitāne ki Wairau, Te Ātiawa, Ngāti Maniapoto, Ngāti Kinohaku) (Cawthron Institute)

One of the most exciting aspects of this project was the opportunity to work with Cawthron's microalgal culture collection. Established in the late 1980s, this nationally significant collection houses more than 750 cultures, with nearly half being freshwater algae and the remainder consisting of marine species.

A key focus of this project was the process of indigenising the culture collection. Of the 750 cultures, 512 are indigenous to Aotearoa New Zealand and are regarded as taonga species. Indigenising the collection involves aligning it with tikanga (customary practices) and rangatiratanga (chieftainship), which means recognising Indigenous rights and empowering tangata whenua to assert authority over their taonga species and mātauranga Māori (Māori knowledge). The 512 indigenous cultures in the collection were the central focus of my research and mahi for this project.



PHOTOGRAPH SUPPLIED



"Portraitists seek to record and interpret  
the perspectives and experiences of the  
people they are studying, documenting  
their voices and their visions – their  
authority, knowledge and wisdom"

(Lawrence-Lightfoot and Davis 1997)



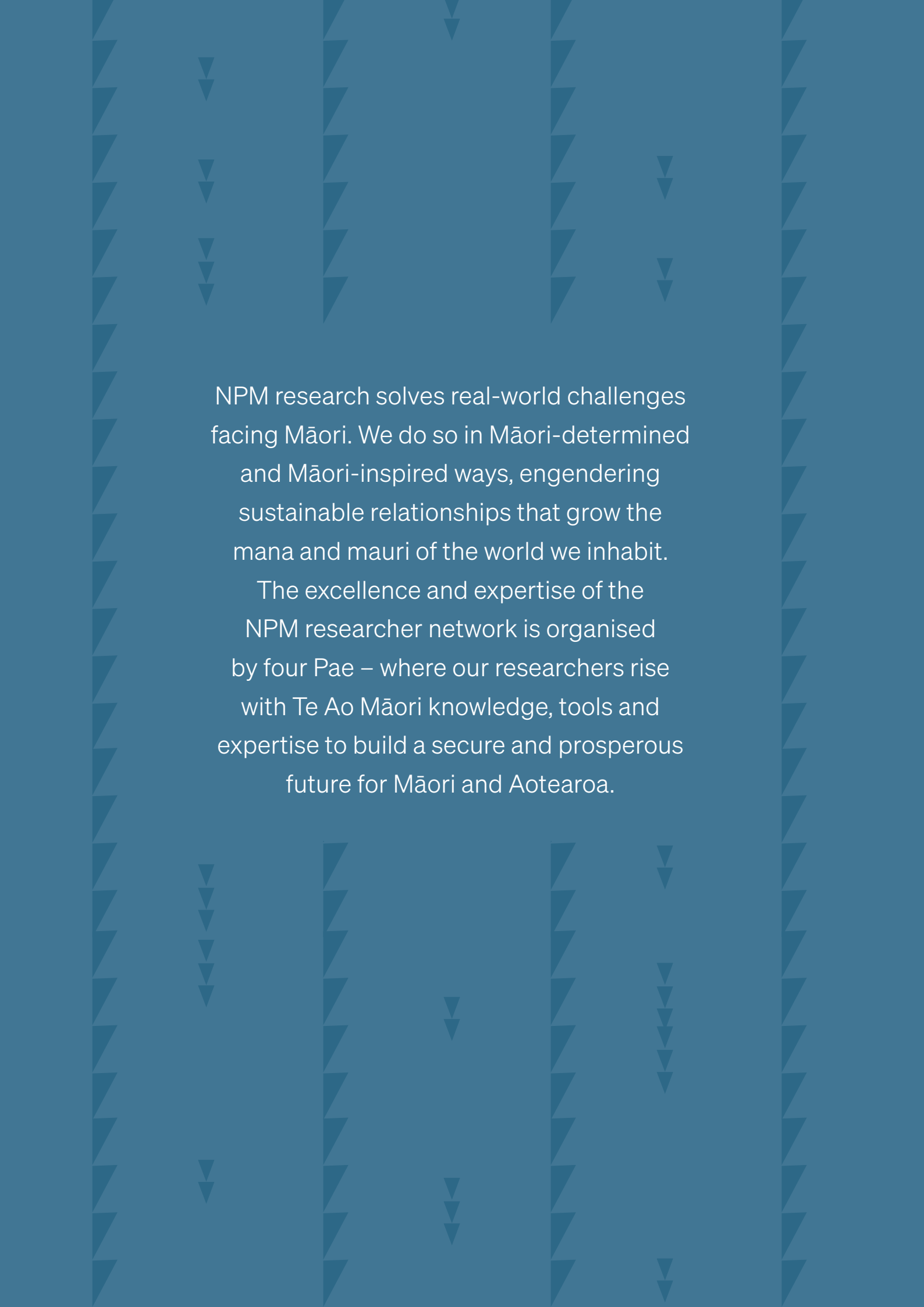
Dr Maree Sheehan.  
Photograph: NPM





*Ngā  
Rangahau*

*Our  
Research*



NPM research solves real-world challenges facing Māori. We do so in Māori-determined and Māori-inspired ways, engendering sustainable relationships that grow the mana and mauri of the world we inhabit.

The excellence and expertise of the NPM researcher network is organised by four Pae – where our researchers rise with Te Ao Māori knowledge, tools and expertise to build a secure and prosperous future for Māori and Aotearoa.

The background is a solid teal color. It features a large, light blue diamond shape in the center, composed of multiple concentric lines. This diamond is part of a larger, repeating geometric pattern of overlapping diamonds and lines. The pattern is accented with vertical borders on the left and right sides, consisting of a series of dark red triangles pointing downwards. The text is centered within the innermost diamond.

*Tūhononga ā-Ao*

*International  
Connectedness*







# IIRC2024 – Sold Out

With resounding success, the 11th Biennial International Indigenous Research Conference (IIRC2024) brought together Indigenous researchers and allies from across the globe. Scholars and activists from Canada, the United States, Australia, Taiwan, India, Nepal, Norway, Croatia, Uganda, South Africa, the United Arab Emirates and the Pacific converged in Aotearoa to share knowledge, experiences and strategies for advancing Indigenous futures. With the theme of *Whitiki taua: Research solidarities*, IIRC2024 strengthened ties with Indigenous scholars, institutions and communities worldwide.

Returning to an in-person gathering since 2016, our whare whakairo, Tāne-nui-ā-rangi, opened its doors to welcome 661 delegates from across the globe. This gathering fostered a unified and community-driven kaupapa, creating a week filled with uplifting and a strong sense of togetherness.

Keynote speakers shared personal stories, resonating deeply with attendees and sparking meaningful connections. Delegates participated in more than 250 dynamic sessions and panel presentations, a sold-out pre-conference Data Sovereignty Masterclass featuring 12 internationally recognised speakers, reflecting the conference’s global reach. IIRC2024 served both academic networks and those working in and for our Indigenous communities, enriching discussions through cultural engagement rooted in manaakitanga and whanaungatanga.

We continue to share the addresses made by our keynote speakers and invite you to view the highlights video and extend our gratitude to musician Mohi Allen for gifting us the waiata accompanying the video.

## Watch here

<https://www.maramatanga.ac.nz/node/2157>

<https://www.maramatanga.ac.nz/video-category/2024-international-indigenous-research-conference>

## We are grateful for the support of our IIRC2024 sponsors



ARTS



Te Ngira  
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Population Research

THE UNIVERSITY OF WAIKATO

Ngā Wai a Te Tūī  
Māori & Indigenous Research  
Te Whare Wānanga o Wairaka | Unitec





**Dr Pasang Dolma Sherpa**

As Executive Director of the Center for Indigenous Peoples' Research and Development in Nepal, Pasang addressed climate resilience strategies and environmental activism.

Watch here:  
<https://www.maramatanga.ac.nz/index.php/node/2160>



**Maybelle McLeod, Erin Gardiner, and Associate Professor Karyn Paringatai**

This panel discussed their globally impactful collaborative work on genetic stomach cancer research within Māori whānau, emphasising culturally grounded healthcare approaches.

Watch here:  
<https://www.maramatanga.ac.nz/index.php/node/2161>



**Abigail Echo-Hawk**

Executive Vice President of the Seattle Indian Health Board and Director of the Urban Indian Health Institute, Abigail spoke about decolonising data and advocating for Indigenous data sovereignty.

Watch here:  
<https://www.maramatanga.ac.nz/node/2159>



### **Kirikowhai Mikaere**

Māori data and information specialist, Kirikowhai Mikaere described how innovative 'Mana Motuhake' data solutions are empowering iwi and hāpori.

Watch here:

<https://www.maramatanga.ac.nz/index.php/node/2162>



### **Che Wilson**

Director of Tai-o-rongo and NPM Board member, Che shared his rangahau on mātauranga Māori, focusing on environmental practices and leadership development.

Watch here:

<https://www.maramatanga.ac.nz/node/2163>



### **Manu Caddie**

An entrepreneur and activist, Manu spoke about his contributions to sustainable industry and community development in Te Tairāwhiti.

Watch here:

<https://www.maramatanga.ac.nz/node/2164>

## *Indigenous Data Sovereignty Masterclass*

Ahead of IIRC2024, NPM assembled mātanga (experts) from Aotearoa and around the world to hold the Indigenous Data Sovereignty Masterclass. Nearly a decade has passed since the publication of the landmark book *Indigenous Data Sovereignty: Toward an Agenda* which catalysed the emergence of a new field of Indigenous data sovereignty (IDSov) and governance research.

The aim of the Masterclass was to share insights, strategies and tools on IDSov with researchers, communities and practitioners. The sessions were designed to be lively and interactive with plenty of opportunities for small-group discussion. Instructors took participants through five core topics: the foundations of IDSov, case studies on data for self-determination, Indigenous data governance models, keeping data sovereign, and growing Indigenous ‘data doers’.

### **Read more:**

The Masterclass Workbook is a great resource for anyone wanting a comprehensive but accessible introduction to the topic, and can be downloaded from <https://www.iirc.ac.nz/masterclass/>.

## *Tri-Academy Partnership on Indigenous Engagement*

NPM senior researchers were among a group of Royal Society Te Apārangi Fellows who participated in the first gathering of the Tri-Academy Partnership on Indigenous Engagement. The partnership is a new initiative involving Te Apārangi, the Royal Society of Canada (RSC) and the Australian Academy of Science (AAS) as part of a collective effort to support and amplify Indigenous research. The first event was hosted by the RSC in Vancouver on the unceded territories of the x<sup>w</sup>məθkwəy’əm (Musqueam), Skwxwú7mesh (Squamish), and Skwx\_wú7mesh/Selilwitulh (Tseil-Waututh) nations. The event explored how Indigenous perspectives on the sciences, social sciences, humanities and other areas of scholarly endeavour may provide an important part of the journey towards reconciliation and how academies may understand and act upon their responsibilities towards Indigenous engagement. Speakers from Aotearoa included Dr Leonie Pihama, Professor Tahu Kukutai and Associate Professor Carwyn Jones.

### **Read more**

Associate Professor Carwyn Jones also wrote a short piece on the partnership initiative with Professor Frank Deer, President of the College of the RSC, and ASA Fellow Professor Tom Calma.

<https://www.royalsociety.org.nz/news/truth-then-reconciliation-in-the-academy/>

The next Tri-Academy event will be hosted by Te Apārangi in Tāmaki Makarau in November 2025.





Participants in the IIRC2024 Indigenous Data Sovereignty Masterclass.  
Photograph: NPM



Māori Fellows and scholars at the inaugural Tri-Academy Partnership on  
Indigenous Engagement, hosted by the Royal Society Canada. Photograph: Supplied

## *International Leadership and Engagement*

### **National Geographic Society**

**Professor Tahu Kukutai** was invited to take part in an international meeting on Indigenous engagement and data stewardship at the National Geographic Society in Washington DC.

### **Association of Pacific Rim Universities (APRU)**

**Professor Linda Waimarie Nikora** and NPM Board member **Professor Te Kawehau Hoskins** launched the APRU Indigenous and First Nations Knowledges Network's international seminar series.

### **United Nations**

The NPM Secretariat co-hosted the Nin Tomas Memorial Lecture guest speaker **Francisco Cali Tzay**, who is the UN Special Rapporteur on the rights of Indigenous Peoples.

### **University of Santiago**

The NPM Secretariat co-hosted, with Waipapa Taumata Rau Māori Studies Department, **Dr Elisa Loncón Antileo** from the University of Santiago.

### **Center for Indigenous Peoples' Research and Development (CIPRED)**

**Professor Linda Waimarie Nikora** was invited by CIPRED to deliver a keynote at the International Conference on Indigenous-led Research and Education in Nepal.

### **Chile travel**

**Professor Linda Waimarie Nikora** and **Professor Te Kawehau Hoskins** travelled to Chile for the APRU Indigenous and First Nations Knowledges Network workshop.

### **Royal Society of Canada**

**Professor Tahu Kukutai** and other NPM senior researchers attended the Royal Society Canada, Royal Society Te Apārangi, and Australian Academy of Science tri-academy event in Vancouver.

### **UN Expert Mechanism on the Rights of Indigenous Peoples (EMRIP)**

**Professor Tahu Kukutai** was invited by EMRIP to participate and present at a summit on Indigenous Peoples' right to data in Chiang Mai, Thailand.







While most of us are despairing at the  
state of the 'democracies' we live in,  
we know the colonial experience has always  
been post-truth for Indigenous Peoples . . .  
and Capitalism tries to deny and defy  
the truths of Mother Earth.



Manu Caddie, IIRC2024 Keynote.  
Photograph: NPM



The background is a solid orange color. It features a large, double-lined diamond shape in the center. This diamond is surrounded by a series of smaller, double-lined diamonds that form a grid-like pattern. The spaces between these lines are filled with a repeating pattern of small, downward-pointing triangles. The text is centered within the largest diamond.

Rangahau  
Ōhanga 2024

Te ōhanga Māori (the Māori economy) is a growing force in Aotearoa, with whānau, pākihi and iwi making significant and distinctive contributions in ways that are tikanga-based and future focused.

NPM is leading ground-breaking work on the economy reimagined through a Te Ao Māori lens, with a focus on sustainability through environmentally grounded practices and wellbeing for future generations.

Core Māori values like whakapapa, mauri, tapu and noa are pivotal in shaping the Māori economy, prioritising reciprocity and the collective accumulation of resources over narrowly defined individual gain.

This emphasis on shared prosperity underscores the enduring significance of Māori ethics in contemporary society.

# Kaupapa Mātāmua

## *Featured Work*

### He Oranga Whānau: Mahi Ngātahi

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#### Whānau Livelihoods Within the Context of Work and Māori Economies of Wellbeing

**Lead: Professor Chellie Spiller** (Ngāti Kahungunu ki Wairoa) (UoW), with Professor Jarrod Haar, Professor Jason Mika, Dr John Reid, Dr Matthew Rout, Tāne Karamaina, Te Ata-a-rua Hansen-Cribb, and Xiaoliang Niu.



**Professor Chellie Spiller.**  
Photograph: Supplied

Professor Chellie Spiller is well known for her research on leadership and how businesses can create sustainable wealth and wellbeing. Her latest project brings together some of the country's most innovative ōhanga Māori researchers to develop a shared, participatory vision for Māori economies of wellbeing that is whānau-centric and looks to our own knowledge systems for innovative solutions to support our communities.

He Oranga Whānau: Mahi Ngātahi combines secondary data analysis, workplace case studies and an analysis of different economic theories and models to identify how Te Ao Māori principles operate in current economic contexts. In so doing, the project reveals how whānau remain central to Māori wellbeing and how strengthening whānau connections and building capacities for self-sufficiency is essential.

The project defines a Māori economy of wellbeing by outlining attributes across economic, physical, mental/emotional and social domains. It provides a comprehensive examination of Māori wellbeing across different time periods, from pre-colonial times to the neoliberal economic reforms of more recent decades, and synthesises insights from alternative economic models (e.g., wellbeing economics, doughnut economics, the circular economy) and economic networking theory (e.g., regional development, localised collectives and regional clusters) through a Te Ao Māori lens.

The project has generated two significant research outputs both of which will be published in 2025. One is *Oranga Māori: Towards Māori wellbeing economies* – a 12-chapter book featuring six case studies, and a practitioner and policy-focused recommendations section. The other, *He Rauhi Kupu*, compiled by Tāne Karamaina, is a first-of-its-kind te reo Māori dictionary of economic terms. *He Rauhi Kupu* is a practical tool for whānau that supports the ongoing development of te reo Māori in economic contexts.

## Case studies from He Oranga Whānau: Mahi Ngātahi

### North Drill

North Drill is a strong kaupapa-driven approach to business, incorporating cultural values with innovative business practices to enable collective whānau wellbeing. Bronson Murray (Te Rarawa, Ngāti Kuri) and Ida-Jane Murray (Ngāpuhi, Te Rarawa) took over the drilling business from the family with the purpose of offering whānau opportunities to live a better life. After witnessing and experiencing the consequences caused by systemic inequity, North Drill aims to create safe and empowering environments and provide employment and skills development opportunities for whānau, with a particular focus on rangatahi. These efforts align with the economy of mana, where respect and dignity drive relationships and prioritise holistic wellbeing.

North Drill's business approach is grounded in Māori principles such as whanaungatanga (kinship), manaakitanga (hospitality) and aroha (love). The business measures success by its impact on helping whānau achieve their aspirations rather than solely by profit, and it has developed initiatives and programmes to do so. For example, North Drill developed financial literacy programmes to help employees manage savings and homeownership programmes with the support of industry experts.

To address some systemic challenges whānau face, such as housing affordability and an unsafe working environment, Bronson and Ida-Jean established a building division, Northbuild, to create a circular economy benefiting its employees and the wider community. Using cultural authenticity as a 'superpower', the leadership of North Drill fosters a strong sense of belonging for whānau that is deeply rooted in Māori identity and values. North Drill operates a 'whānau recruitment policy', prioritising hiring through whakapapa (genealogy) connections. 'Everyone knows how we operate; everyone knows our culture; everyone is connected. It's awesome. We're whānau,' says Ida. Through weaving cultural values into its business approach, North Drill provides a powerful example of balancing economic prosperity with cultural preservation and collective wellbeing.



North Drill crew. Photograph: Supplied



## Stronghold Group

Stronghold Group (Stronghold) is a Māori and Pasifika-owned construction and project management company based in Tāmaki Makaurau. Founded in 2020 by Quincy (Cook Island, Niue) and Karalee Tangiaiu (Ngāti Whātua o Kaipara), the company prioritises the wellbeing of its employees and whānau through a comprehensive support system. Deeply influenced by kaupapa Māori values such as aroha, manaakitanga, and whanaungatanga, Stronghold aims to create a supportive and resilient workplace that appreciates cultural identities.



**Stronghold crew featuring one of the owners, Quincy Tangiaiu.** Photograph: Stronghold

The company offers services ranging from residential, commercial and industrial projects, meeting clients' diverse needs. Driven by a strong sense of social responsibility, Stronghold delivers high-quality construction and project management solutions while preserving cultural sensitivity, community engagement and environmental sustainability. The strong commitment to kaupapa Māori principles and excellent project delivery set them apart in the industry.

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**We want to encourage people to grow where they can. They go away, they learn new skills, and then they come back, and they add to that kete for us as a Stronghold whānau.**

*– Karalee Tangiaiu, Stronghold Group*

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The company supports its employees' personal and professional growth by offering opportunities for education, training and upskilling, such as apprenticeships and support for advanced degrees. Financial wellbeing is addressed through providing access to financial advisers and life insurance services, enabling employees to develop feasible financial plans for themselves and future generations. Stronghold advocates a healthy work-life balance, offering flexible work arrangements to accommodate employees' other responsibilities, such as family, education and training. To support employees' mental health, Stronghold ensures resources and support systems are available to address their emotional needs. Stronghold actively engages with the community by employing whānau and providing mentorship to encourage personal and career development.

These initiatives emphasise holistic whānau wellbeing and organisational resilience, demonstrating Stronghold's commitment to upholding Māori cultural values and whānau (employee)-centred practices, which can create a thriving workplace where cultural identities are celebrated while supporting business sustainability and growth.

## IIRC2024 Keynote

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### Manu Caddie's Vision for a Māori-Led Bioeconomy

As Te Tairāwhiti reckons with the fallout of decades of poor land management, one voice is leading the charge for a different future. Manu Caddie, a researcher with NPM and keynote speaker at IIRC2024, is advocating a radical shift in the region's economic and environmental strategy – one that puts tikanga Māori, scientific innovation and Indigenous enterprise at the centre of recovery. A long-time critic of unsustainable forestry practices, Manu points to the collapse of pine plantations as evidence that past solutions have failed. His work explores alternative land-use models that prioritise native ecosystems, regenerative agriculture, and Indigenous-led industries. And he's not waiting for policymakers to catch up.

Through Hikurangi Bioactives, Manu led research into natural health products, developing a kānuka-based eczema treatment that outperforms steroid creams. His biotech company, Rua Bioscience, has opened up new economic pathways in medicinal cannabis, while Matawai Bio is tapping into functional foods and bioactive ingredients. And Manu's vision extends beyond niche industries. He sees an opportunity for Tairāwhiti to become a hub for an Indigenous bioeconomy, blending mātauranga Māori with cutting-edge science to create high-value, sustainable industries.

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**We need to have options so we can  
have livelihoods that are connected  
to the land enabling whānau to stay  
on these erosion-prone lands.**

*– Manu Caddie*

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Manu believes there is a lot of potential for an industry based in Tairāwhiti, especially if the region must rethink its options for the land. To realise that potential, several key things must happen, including public and private investment into research and development for new industries, changes to the Emissions Trading Scheme (ETS) to incentivise permanent Indigenous forest over monoculture pine plantations, better research on what is suitable land use, and an economic analysis of investment in other industries such as tourism, bioactives and native timber products.

‘We need to have options so we can have livelihoods that are connected to the land, enabling whānau to stay on these erosion-prone lands. Otherwise, they will have to move away because there will be no work, and no homes because of infrastructure damage.’

‘Other people are trying new ideas to grow the economy, but someone needs to do the economic analysis of different ventures to justify the investment,’ he says.

Manu has a vision for the next 10 years for the region, where he believes it could have an emerging Indigenous bioeconomy based on using taonga for therapeutic products and cosmetics, as well as an economy with tourism, a variety of timber, and other types of farming and horticulture.

‘In 10 years, my vision is that these things would be just getting going and we would have some good research completed for alternative uses. There would be lots of little companies emerging that are doing exciting things. Employment options could include the transition from forestry to planting, native nurseries, pest and plant control jobs, enabling people to stay in the region,’ he says.

#### Read more

<https://manu.org.nz/>

NPM E-Pānui, March 2024



Manu Caddie with Professor Linda Waimarie Nikora at IIRC2024. Photograph: NPM

# Whakaaweawe

## *Influencing Transformation*

### The Economic Possibilities of Decolonisation

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*'The future of Aotearoa depends on how Māori engage with capitalism.'*

So writes NPM Rangahau Committee member Dr Matthew Scobie (Ngāi Tahu) and Dr Anna Sturman in the opening pages of their new book *The Economic Possibilities of Decolonisation In Aotearoa*.

The book provides a theoretically informed account of pre-colonial Māori economies ('economies of mana'), the building of the colonial economy vis-à-vis Māori dispossession, the emergence of diverse economies in Aotearoa, and the possibilities of alternative economies.

A focus on Te Rūnanga o Ngāi Tahu provides a concrete and accessible way to tease out and test the authors' key theoretical arguments, with their observation being that: 'Te Rūnanga is working within colonial-capitalism to advance the wellbeing of Ngāi Tahu people, while at the same time reconstructing the conditions for alternatives beyond.'

Matthew and Anna's book makes a significant contribution to imagining 'alternatives beyond' that are tikanga-based and socially and environmentally just. Most importantly, it challenges us all to take tangible actions to advance those alternatives.

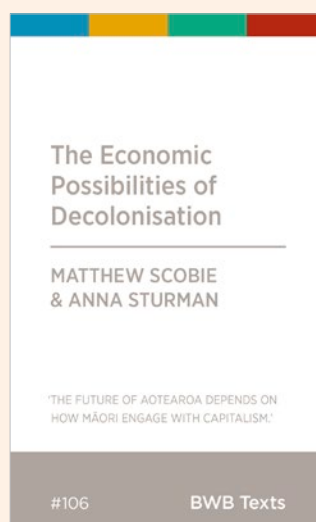
#### Learn more:

**RNZ Podcast, 21 October 2024:** Matthew appeared on RNZ's Māpuna programme to talk with host Julian Wilcox about *The Economic Possibilities of Decolonisation*.

**Waatea News, 28 August:** Matthew talked with Waatea News Paakiwaha host Dale Husband about how Aotearoa could go further in exploring the benefits of an Indigenous economies approach. <https://waateanews.com/2024/08/28/dr-matthew-scobie-the-economic-possibilities-of-decolonisation/>



**Matthew Scobie**  
Photograph: Supplied





## He Pitopito Kōrero *In the News*

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### **Mānuka paper hits sweet spot**

Professor of Marketing and International Business, Ella Henry wins an award at the Australia New Zealand International Business Academy conference for her paper on the right to label honey as mānuka. <https://waateanews.com/2024/02/12/manuka-paper-hits-sweet-spot/>

### **Should NZ workers get the ‘right to disconnect’?**

Management Professor Jarrod Haar comments on employees’ right to disconnect from their workplace. <https://www.nzherald.co.nz/business/should-nz-workers-get-the-right-to-disconnect/F4S3KM4ULBDCRFEUGYKQ6EMBVU/>

### **Lack of choice at supermarket pushes prices up**

Economics Professor Matthew Roskrugé says more competition in the supermarket sector would increase sector resilience and lower prices to consumers. <https://waateanews.com/2024/03/01/lack-of-choice-pushes-up-prices-at-checkout/>

### **Recession opens for first home buyers**

Matthew Roskrugé says the current recession could be a good time for first home buyers to get into the housing market. <https://waateanews.com/2024/03/22/recession-opens-for-for-first-home-buyers/>

### **Workplace bullying**

Jarrod Haar talks to Breakfast hosts about his research on workplace bullying in Aotearoa.

### **No appetite for Māori spend**

Ahead of Budget 2024, Matthew Roskrugé says he is not expecting the Finance Minister to make funding for Māori initiatives a priority. <https://waateanews.com/2024/05/22/no-national-appetite-for-maori-spend/>

### **Māori economy struggles, iwi housing shines**

Matthew Roskrugé says the state of the Māori economy is facing a difficult financial environment due to political shifts and a decrease in government contracts; however, a pivot point might be the investment in affordable housing. <https://waateanews.com/2024/10/21/maori-economy-struggles-iwi-housing-shines/>

### **Māpihi’s approach to housing crisis**

Architecture Professor Deidre Brown comments on Māori housing and how it can be more sustainable. <https://www.teaonews.co.nz/2024/11/06/mapihis-approach-to-tackling-the-housing-crisis-in-aotearoa/>

### **Māori philosophy and colonisation**

Philosophy Professor Carl Mika explores Māori philosophy, examining how colonisation altered Māori views of reality and highlighting Indigenous concepts of interconnectedness and being. <https://www.teaonews.co.nz/2024/11/18/maori-philosophy-indigenous-views-on-reality-and-interconnectedness/>

### **The official cash rate**

Matthew Roskrugé talks to Dale Husband about the Reserve Bank’s move to trim the OCR by 125 basis points since August, taking it down from a peak of 5.50%. <https://waateanews.com/2024/11/28/matt-roskruge-director-of-te-au-rangahau-2/>

# Ngā Amokapua Rangahau ā Mua

## *Future Research Leaders*

### Te Kupenga o MAI Hui-ā-Tau 2024

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#### **Wāhine Māori Entrepreneurs and Business Growth: Investigating the Cultural, Social and Economic Enablers and Challenges**

**Tui MacDonald** (Ngāpuhi, Ngāti Ranginui, Te Ātiawa, Ngāti Pāoa) (UoW).

Between 2018 and 2023, the Māori asset base grew from \$69 billion to \$126 billion. In 2023, there were \$66 billion in assets for Māori businesses and employers, \$41 billion for Māori trusts, incorporations and other Māori entities, and \$19 billion for self-employed Māori. Within the Māori economy, almost 40% of 23,000 Māori-owned businesses have wāhine Māori as owners. While there is increasing research into the Māori assets, economy and entrepreneurship, there is a real dearth of scholarship on wāhine Māori entrepreneurship and business growth.

Tui MacDonald's PhD study is a longitudinal and qualitative study examining the lived experiences of 10 wāhine Māori entrepreneurs who have experienced and are currently undergoing business growth. Tui's presentation on her research won the inaugural Tohu Kairangi award at the University of Waikato 3MK (three-minute kōrero) competition in 2024. As well as being a PhD student, Tui is a business leader with more than 20 years' experience in executive management, marketing and corporate communications.



**Tui Macdonald during a University of Waikato delegation to Canada.**

Photograph: Supplied

# He Hua Kua Puta

## *Selected Outputs*

**Haar, J., Brougham, D., & Daellenbachm, U. (2024).** Indigenous perspectives of high-performance work systems: Challenging the universality. *Academy of Management Proceedings*, 1, Article 11793. <https://doi.org/10.5465/AMPROC.2024.39bp>

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**Haar, J., Spiller, C., Mika, J., Rout, M. and Reid, J. (2024).** Does supporting cultural diversity benefit only Māori? A study of Māori and Pākehā employees. *Journal of the Royal Society of New Zealand* [online]. <https://doi.org/10.1080/03036758.2024.2306980>

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**Haar, J., Spiller, C., Rout, M., Mika, J., & John, R. (2024, November 12–15).** *Are the effects of precarious and insecure work cumulative on hauora?* [Paper presentation]. 11th Biennial International Indigenous Research Conference, Auckland, New Zealand.

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**Henry, E., & Milligan, C. (2024, November 12–15).** *Mātauranga Māori in the media* [Paper presentation]. 11th Biennial International Indigenous Research Conference, Auckland, New Zealand.

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**Karamaina, T. (2024, November 12–15).** *Te mana o te kupu hōu: Te reo Māori neologisms in business and finance* [Paper presentation]. 11th Biennial International Indigenous Research Conference, Auckland, New Zealand.

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**Mika, J., Josephe, R., Roskruge, M., Hudson, M., Whanga-Schollum, D., Strutt, A., ... Koekemoer, J. (2024, November 12–15).** *Tauhokohoko: Enabling mana motuhake through Indigenous trade* [Paper presentation]. 11th Biennial International Indigenous Research Conference, Auckland, New Zealand.

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**Mika, J., & Niu, X. (2024, December 2–5).** The Southern Initiative: How Indigenous values can inspire social innovation and impact. [Case study]. Australian & New Zealand Academy of Management (ANZAM) 37th Conference, Wollongong, NSW, Australia.

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**Mika, J., Niu, X., Spiller, C., Haar, J., Rout, M., Reid, J., & Karamaina, T. (2024, December 2–5).** *Whānau-centred design and Indigenous social innovation* [Paper presentation]. Australian & New Zealand Academy of Management (ANZAM) 37th Conference, Wollongong, NSW, Australia. Available at [https://www.anzam.org/wp-content/uploads/2024/12/BC10448\\_ANZAM-Papers-and-Abstracts-2024\\_FINAL.pdf](https://www.anzam.org/wp-content/uploads/2024/12/BC10448_ANZAM-Papers-and-Abstracts-2024_FINAL.pdf)

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**Mika, J., Spiller, C., Niu, X., Rout, M., Haar, J., Reid, J., & Karamaina, T. (2024, November 12–15).** *Pakihi whānau: Whānau enterprise wellbeing through social innovation* [Paper presentation]. 11th Biennial International Indigenous Research Conference, Auckland, New Zealand.

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Che Wilson was a keynote at IIRC2024.  
Photograph: NPM



The background is a dark reddish-brown color. It features a central diamond-shaped pattern composed of multiple overlapping lines. The text 'Pae Ahurei' is centered within this diamond. Below it, the text 'Living Uniquely' is also centered but in a smaller, italicized font. The entire design is framed by a border of repeating geometric shapes, including triangles and diamonds, in various shades of brown and gold.

Pae  
Ahurei

*Living  
Uniquely*

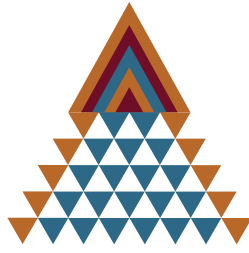


“We should be  
telling our own story  
about abundance  
which will help heal us.”

Che Wilson  
IIRC2024 Keynote







*Hāmamatia, waiatatia, whakawahatia te Ahurei Māori*

Pae Ahurei enables research that explores Te Ao Māori in conscious and dynamic ways, taking control of our knowledge, technologies and lives to ensure ongoing benefit for our communities. Pae Ahurei also explores ways in which we are connected to whenua, whakapapa and our cultural ways of being, doing and knowing. Under this theme, we have seen an extensive array of research that ties each of these unique ways of being Māori together.

Key initiatives in 2024 include **Ngā Kai Pirau**, a project to revive traditional fermented food practices to enhance Māori wellbeing, and the **Ruakapanga project**, where community researchers are uncovering the rich history of Haurangi Marae through in-depth archival exploration. In a groundbreaking study at **Auckland Museum**, researchers are shedding new light on Māori toki, revealing complex cultural narratives and historical trade networks.

Pae Ahurei also celebrates transformative contributions in Māori leadership and cultural expression. The launch of Māori-centred branding at Otago University and the influential memoir *Hine Toa*, by Ngāhuia Te Awekōtuku, are notable examples of this commitment.

Together, these projects underscore Pae Ahurei's dedication to preserving and advancing uniquely Māori futures, cementing its role as a vital force in the resurgence of Indigenous knowledge and scholarship.

*Research to cherish and celebrate distinctively Māori futures*









*Ngā Tīpako*  
*Highlights 2024*

United Nations Special Rapporteur  
José Francisco Calí Tzay  
speaks at Waipapa Marae.



Distinguished Professor Jacinta Ruru  
appointed as the inaugural Deputy-Vice  
Chancellor Māori, University of Otago.



NPM Ruānuku Professor Emeritus  
Ngāhuia Te Awekōtuku publishes  
powerful memoir *Hine Toa*.





# Rangahau *Research*

## Kaupapa Mātāmua *Featured Work*

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### **Ruakapanga: A Collaborative Research Initiative with Te Aitanga-a-Hauti**

**Lead: Professor Linda Waimarie Nikora** (Te Aitanga-ā-Hauti, Tūhoe) (UoA), with Hauti Marae researchers.

As part of an ongoing commitment to Indigenous-led research and historical reclamation, Pou Matarua Professor Linda Waimarie Nikora was asked to walk alongside community researchers from Hauti marae in Ūawa/Tolaga Bay in their engagement with archival collections held at the National Archives and Alexander Turnbull Library. In February 2024, they embarked on a self-funded journey to Wellington to uncover the history of their whare whakairo Ruakapanga which stands at Hauti Marae in Ūawa/Tolaga Bay. The diverse, multi-generational team of 18 marae researchers explored extensive archival collections at the Alexander Turnbull Library and Archives New Zealand. Their research focused on Sir Apirana's files and sound recordings made by Māori education pioneer Koro Dewes, as well as records from the Māori Purposes Board, East Coast Commission, newspaper articles, photographs, and original plans and tukutuku designs of Ruakapanga, which was opened in 1943. With guidance from kaitiaki such as librarian Zandria Taare, the team uncovered invaluable insights into the lives and contributions of their tīpuna, deepening understanding of ancestral efforts and resource practices like harvesting kākaho, pīngao and kiekie. The team looks forward to commemorating Ruakapanga's centenary in 2043, ensuring that their history and collective knowledge continue to inspire future generations.

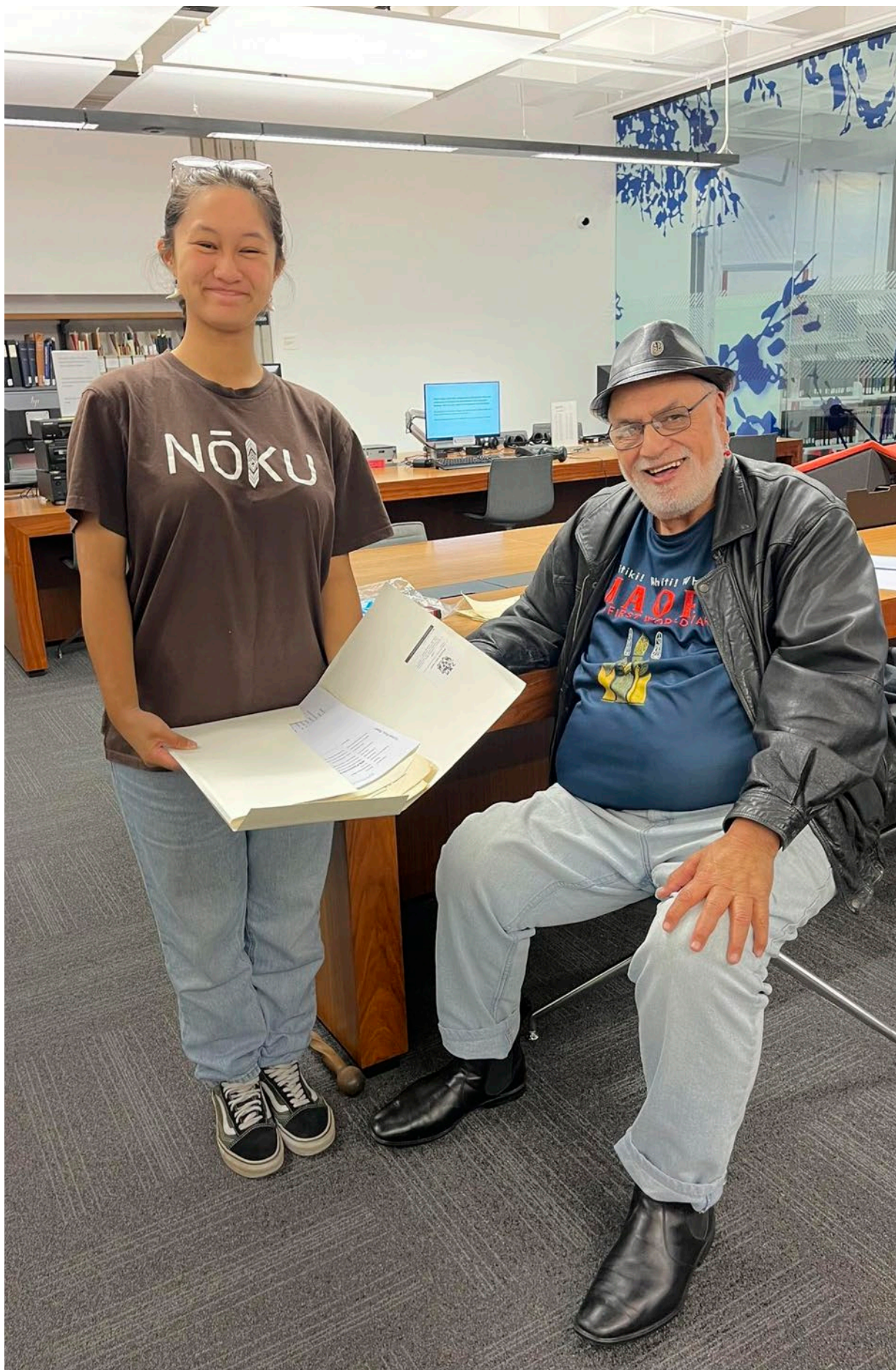
#### **Read more**

<https://www.gisborneherald.co.nz/news/te-aitanga-a-hauti-researchers-uncover-historical-treasures-in-wellington-archives#3>



**Hauti Marae researchers Raewyn Miria Te Moni and Rawiri Tuhiwai Ruru** at the Alexander Turnbull Library. Photograph: Alexander Turnbull Library





Hauti Marae researchers Pikikotuku Te Moni and Rawiri Tuhiwai Ruru at the Alexander Turnbull Library. Photograph: Alexander Turnbull Library



## Kaupapa Kua Porotutuki *Completed Work*

### Kai Pirau, Oranga Tangata: Indigenous Knowledge, Health and Future Research Pathways

**Lead: Professor Te Kahautu Maxwell** (Te Whakatōhea, Ngāti Awa, Ngāi Tai, Te Whānau-ā-Apanui, Ngāti Porou, Ngāti Maniapoto, Tūhoe) (UoW), with Daniel Poihipi (Te Whakatōhea, Te Whānau-ā-Apanui, Tūhoe), Te Rūnanga o Te Whānau-ā-Apanui.

Supported by NPM, the Ngā Kai Pirau research initiative is revitalising Indigenous food practices and strengthening Māori wellbeing. Centred on kai pirau – fermented foods integral to the health traditions of Te Whakatōhea, Tūhoe, Te Whānau a Apanui, Ngāi Tai and the Ringatū community – the project, led by Te Kahautu Maxwell, documents essential cultural narratives. By recording mōteatea, Ringatū karakia and oral histories through interviews with kaumātua and knowledge holders, the initiative preserves ancestral wisdom for future generations.

The project also highlights an urgent challenge: the decline of traditional kai pirau practices, underscoring the need for robust intergenerational knowledge transfer. Its impact reaches beyond cultural preservation by forging new partnerships aimed at advancing Māori innovation. A promising collaboration with Lincoln University will initiate experimental studies on gut bacteria to explore the health benefits of fermented foods. In parallel, discussions with Fonterra and Callaghan Innovation point to opportunities for commercialising Māori fermentation techniques, fostering Māori-led food science initiatives.

Looking forward, the initiative aims to create PhD and master's research opportunities for Te Whakatōhea students, embedding mātauranga Māori within modern scientific inquiry. In doing so, Ngā Kai Pirau bolsters food sovereignty, health outcomes and economic empowerment for Māori communities.

#### Read more

<https://www.lincoln.ac.nz/news-and-events/research-partnership-focuses-on-kai-sovereignty-and-security-for/>



Koura mara is a traditional fermentation process for food such as crayfish. It is steeped in very slow-running water for days or weeks. Although pungent, it is safe to eat and a delicacy to those who have acquired the taste for it (<https://teara.govt.nz/en/maori-foods-kai-maori/page-2>). Photograph: Shutterstock



# Whakaaweawe

## *Influencing Transformation*

### UN Special Rapporteur

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**José Francisco Calí Tzay**



**NPM and Te Puna Rangahau o Te Wai Ariki representatives with UN Special Rapporteur José Francisco Calí Tzay.**

Photograph: Cindy McQuade

NPM had the honour of co-hosting, with Te Puna Rangahau o Te Wai Ariki | the Aotearoa New Zealand Centre for Indigenous Peoples and the Law, a public lecture in honour of law Professor Nin Tomas. A previous member of the NPM research leadership team, Professor Tomas passed in 2014. The guest speaker was UN Special Rapporteur José Francisco Calí Tzay. In his address, Calí Tzay called for greater attention to global constitutional models that recognise Indigenous rights, stressing that while the right to self-determination is widely accepted, effective implementation depends on constitutional reforms crafted in consultation with Indigenous communities and enforced by independent courts interpreting these rights by international standards. Calí Tzay highlighted exemplary cases. In Canada, landmark decisions like *Delgamuukw* and *Tsilhqot'in Nation* have affirmed aboriginal title and mandated free, prior and informed consent for land use. Moreover, Canada's recent UN Declaration on the Rights of Indigenous Peoples Act provides a roadmap for aligning domestic laws with Indigenous rights. Similarly, Bolivia's constitution mandates a mixed judiciary with Indigenous representation, while Ecuador's constitution incorporates international human rights treaties to safeguard Indigenous rights. Calí Tzay also stressed the importance of integrating Indigenous self-governance into constitutional reform. For example, Chile's recent process allocated seats for Indigenous representatives,

and Greenland’s ongoing reform emphasises collective rights and sustainable resource use. Despite constitutional protections of collective land rights in places like Guatemala, Ecuador and Canada, enforcement often falters under economic pressures. Calí Tzay’s address called for genuine Indigenous participation in constitutional reforms and decision-making. His remarks serve as a reminder that constitutional recognition is only a first step – true progress requires inclusive governance and sustained collaboration between states and Indigenous peoples.

**Read more**

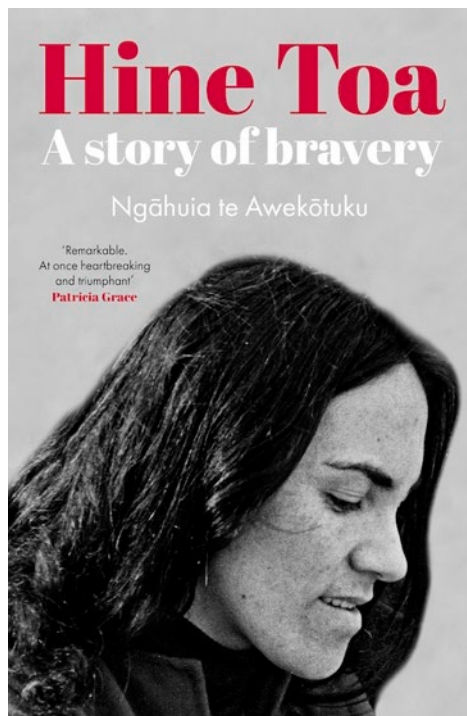
<https://e-tangata.co.nz/korero/un-special-rapporteur-pay-attention-to-global-indigenous-rights/>

**Watch here**

<https://www.youtube.com/watch?v=CSbFU-tbweY&t=2s>

## Hine Toa

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### A Must-Read for Young Māori Academics and Writers

Ngāhuia Te Awekōtuku, a pioneering Māori scholar, activist and writer, has released her powerful memoir, *Hine Toa*. As a ruānuku for NPM, Te Awekotuku has shaped Māori scholarship and activism for decades. This book is more than a personal reflection – it is a call to action for young Māori academics and writers. Set against the backdrop of Ōhinemutu, Rotorua, and the political movements of the past 50 years, *Hine Toa* charts Te Awekōtuku’s journey from a voracious young reader to a fearless activist and academic. A founding member of Ngā Tamatoa and a leader in Māori, women’s, and LGBTQ+ movements, she has challenged institutional racism, gender norms and colonial structures. For Māori scholars, *Hine Toa* is essential reading. Te Awekōtuku shares insights into

navigating academia as Māori, upholding tikanga and intellectual sovereignty, and resisting assimilationist pressures. She demonstrates how Māori scholarship and activism must remain deeply interconnected. More than a memoir, *Hine Toa* is a wero (challenge) for young Māori academics to push boundaries, take up space, and serve their people. It is a taonga for future generations, celebrating wāhine Māori leadership, resistance and brilliance – a book that will empower, inspire and provoke.

**Read more**

<https://thespinoff.co.nz/books/15-05-2024/one-hell-of-a-lesson-a-conversation-with-ngahuia-te-awekotuku>

## Ōtākou Whakaihū Waka

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### Place of Many Firsts

Otago University's new partner branding, launched in 2024, represents a pivotal step in acknowledging and celebrating Te Ao Māori. The refreshed visual identity ensures that te reo Māori, symbols and values are woven into the fabric of the institution's public image. This inclusive rebranding aligns with the University's commitment to the principles of the Treaty of Waitangi and its ongoing partnership with Māori communities, demonstrating a proactive approach to decolonising higher education. More significant, and a first for the institution, is the appointment of their inaugural Deputy-Vice Chancellor Māori. We celebrate the appointment to this role of Distinguished Professor Jacinta Ruru, a previous NPM Pou Matarua Co-Director.

#### Read more

<https://www.otago.ac.nz/news/newsroom/inaugural-deputy-vice-chancellor-maori-appointed>



Deputy-Vice Chancellor Māori, Distinguished Professor Jacinta Ruru (centre) at Ōtākou Marae with Professor Meegan Hall (left) and Professor Tahu Kukutai (right). Photograph: Supplied

## IIRC2024 Keynote

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### Che Wilson (Ngāti Rangī-Whanganui, Tūwharetoa, Mōkai Pātea, Ngāti Apa, Ngā Rauru)

Che Wilson is a Poukura (Director) of Naia Limited, a Māori consultancy based in Ōtautahi | Christchurch and Waikato, and a NPM Board member. At Naia, Che is leading research into the Māori New Year for his tribal region and the application of tūpuna wisdom relating to weather and land use practices. He is also a leadership and strategy mentor, facilitator and resource developer.

#### Watch here

<https://www.facebook.com/reel/2375041542879987>



## Wānanga Paetukutuku

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### Harnessing creativity for greater research impact

**Panellists:** Photographer Natalie Robertson, animator Zak Waipara and painter Zena Elliott

This Paetukutuku webinar focused on the work of three creative researchers who discussed their creative work. Creative thinking sparks novel insights and approaches, fostering experimentation and ethical consideration in advancing knowledge across disciplines. These artists reflected on how artwork can be interpreted, the messages artwork can convey, and the dialogue that can be sparked with viewers.

**Watch here**

<https://www.maramatanga.ac.nz/index.php/node/2136>

## He Pitopito Kōrero *In the News*

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### Missing Māori wood carvings found after 200 years

Professor Deidre Brown (Ngāpuhi, Ngāti Kahu), from the University of Auckland's School of Architecture and Planning, initiated an eight-year search for the lost whakairo rākau. After being declared forever lost, eight treasured Māori whakairo rākau (traditional wood carvings) have been rediscovered in museums across the world. <https://waateanews.com/2024/02/20/missing-maori-wood-carvings-found-after-200-years/>

### Do the principles of the treaty really give Māori too much power – or not enough?

Professor Dominic O-Sullivan (Te Rarawa) comments on the principles of te Tiriti o Waitangi and how they are interpreted in law. <https://e-tangata.co.nz/comment-and-analysis/do-the-principles-of-the-treaty-really-give-maori-too-much-power-or-not-enough/>

### Ngāhuia Te Awekōtuku and Linda Waimarie Nikora

Emeritus Professor Ngāhuia Te Awekōtuku and Professor Linda Waimarie Nikora were presenters at the International Forum on Indigenous Transitional Justice and Cultural Practice, and featured on a news item on *Taiwan Indigenous TV News*. [https://www.youtube.com/watch?v=yChtsEu3\\_8I](https://www.youtube.com/watch?v=yChtsEu3_8I)

### Treaty principles a principle of good government

Associate Professor Carwyn Jones, Victoria University says the Treaty Principles are in at least 50 laws and wanting to exclude Treaty of Waitangi clauses in legislation may be shutting the door after the horse has bolted. <https://waateanews.com/2024/03/19/treaty-principles-a-principle-of-good-government/>

### Survey finds third of marae in flood prone areas, up to 30% prone to landslides

University of Auckland Engineering PhD student Haukapuanui Vercoe conducted an analysis of 869 marae nationwide using geographic information system (GIS) mapping to identify the marae that were at risk from natural hazards. <https://www.rnz.co.nz/news/te-manu-korihi/512771/survey-finds-third-of-marae-in-flood-prone-areas-up-to-30-percent-prone-to-landslides>

# Ngā Amokapua Rangahau ā Mua

## *Future Research Leaders*

### Te Kupenga o MAI Hui-ā-Tau 2024

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#### Te Mana o Tūranga

**Student: Tanith Wirihana Te Waitohioterangi** (Rongowhakaata, Te Aitanga a Mahaki, Te Whānau a Kai, Ngāi Tāmanuhiri, Ngati Oneone) (VuW).

Tanith Wirihana Te Waitohioterangi is exploring the origins and narratives of Tūranga through the metaphor of a literary whareniui, tracing ancestral connections and historical events. His PhD study looks at how mana whenua, mana tangata, ringakaha and ahikaaroa have shaped leadership within Tūranga. Tanith is interested in the insights from whakapapa, voyaging traditions, and contemporary iwi and hapū dynamics, as well as the political tensions in whakapapa and written manuscripts as sources of oral histories.

Tanith was previously part of an internship set up between the Prime Minister's Chief Science Adviser and Tairāwhiti iwi, after discussions at the Tuia 250 commemorations, and sponsored by the Rongowhakaata Iwi Trust. His internship report *Te Paepae o Te Rātū: He whāinga takahanga waewae nō tuawhakarere. The threshold of Te Rātū: A pursuit of footprints from the distant past: The Collision Narrative* can be read at <https://www.pmcsc.ac.nz/topics/te-paepae-o-te-ratu-he-whainga-takahanga-waewae-no-tuawhakarere>



PhD student Tanith Wirihana  
Te Waitohioterangi.  
Photograph: Supplied

## 2024/2025 Raumati Internships

### NPM Borrin Foundation Raumati Legal Research Internship Awards

#### Indigenous visual jurisprudence – developing a definition

**Intern: Shannon Mihaere** (Rangitāne o Tāmaki nui-ā-Rua, Ngāti Porou, Ngāi Tai ki Tāmaki, Waikato Tainui) (UoA). **Supervisor:** Dr Metiria Stanton Turei (Ngāti Kahungunu ki Wairarapa, Āti Haunui a Pāpārangi, Te Atiawa, Rangitāne) (UoO).

#### Indigenous visual jurisprudence – developing a definition

**Intern: Eden Irvine** (Ngāti Whātua o Ōrākei, Ngāti Maniapoto) (UoO). **Supervisor:** Metiria Stanton Turei (Ngāti Kahungunu ki Wairarapa, Āti Haunui a Pāpārangi, Te Atiawa, Rangitāne) (UoO).

#### Imagining honourable kawanatanga: insights from waitangi tribunal reports

**Intern: Ruby Gane** (Waitaha) (UoO). **Supervisors:** Dr Clive Aspin (Ngāti Maru, Ngāti Whanaunga, Ngāti Tamaterā) (VuW) and Dr Heather Came (Pākehā).



Intern Eden Irvine worked on developing Indigenous Visual Jurisprudence under the supervision of Dr Metiria Stanton Turei. Eden was at the National Gallery of Victoria (NGV) in Melbourne viewing within Wurrdha Marra. 'Bark Salon' showcases the breadth of bark painting as a genre, tracing genealogical shifts in form, aesthetic, narrative and politic. Photograph: Supplied



# He Hua Kua Puta

## *Selected Outputs*

**Taani, P. & Paringatai, K. (2024).** Kua tau toku mauri: The balance between Māori language teacher cultural identity and wellbeing. In A. Feryok (Ed.), *Language teacher identity and wellbeing* (pp. 11-27). Multilingual Matters. <https://doi.org/10.21832/9781800417038-005>

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**Brown, D., Ellis, N., & Mane-Wheoki, J. (2024).** *Toi Te Mana: An Indigenous History of Māori Art*. Auckland University Press.

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**Webber, M., Fitzpatrick, K., Hoskins, T. K., Veukiso-Ulugia, A., Fenaughty, J., Powell, D., & Madden-Smith, A. (2024).** Kua takoto te mānuka, mā wai e hiki ake? Advancing a Te Tiriti o Waitangi-led approach to mental health education in schools. *Kōtuitui: New Zealand Journal of Social Sciences Online*, 19(4). <https://doi.org/10.1080/1177083x.2023.2291362>

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**Wiapo, C., Adams, S., Komene, E., Davis, J., & Clark, T. (2024).** An integrative review of racism in nursing to inform anti-racist nursing praxis in Aotearoa New Zealand. *Journal of Clinical Nursing*, 33(8). <https://doi.org/10.1111/jocn.17205>

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**Jones, R., Reid, P., & Macmillan, A. (2024).** An Indigenous climate justice policy analysis tool [Journal Article]. *Climate Policy*, 24(8), 1080–1095. <https://doi.org/10.1080/14693062.2024.2362845>

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**Jara, C., & Phan, N. T. (2024).** An analysis of Hawaiian identity and life satisfaction through cultural reclamation: implications for Hawaiian well-being. *AlterNative: An International Journal of Indigenous Peoples*, 20(1), 167–177. <https://doi.org/10.1177/11771801241235206>

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**Enari, D., & Vaka, S. (2024).** Pacific Youth Well-being - Diaspora perspectives [Commentary]. *MAI Journal: A New Zealand Journal of Indigenous Scholarship*, 13(1), 151-155. <https://doi.org/10.20507/MAIJournal.2024.13.1.13>

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**Heteraka, M. (2024).** Mā Wai e Kawea Taku Kauae Ki Tāwhiti? *MAI Journal: A New Zealand Journal of Indigenous Scholarship*, 13(1), 1-10. <https://doi.org/10.20507/MAIJournal.2024.13.1.1>

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**Rua, M., Hodgetts, D., & Stolte, O. (2024).** Māori Men Renewing Cultural Embeddedness through Engagements in Tangihanga [Journal Article]. *Community Psychology in Global Perspective*, 10(2). <https://doi.org/10.1285/i24212113v10i2-2p1>

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**Hsieh, J. (2024, 12-15 November 2024).** *Indigenous Taiwan Panel I : Pathway toward Historical Trauma and Transitional Justice Healing*. 11th Biennial International Indigenous Research Conference 2024, Auckland. <https://www.maramatanga.ac.nz/media/7299/download?inline>

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Abigail Echo-Hawk, IIRC2024.  
Photograph: NPM

The background is a solid teal color. It features two large, overlapping diamond shapes. The top diamond is a darker shade of teal and contains the text 'Pae Ora'. The bottom diamond is a lighter shade of teal and contains the text 'Living Well'. The diamonds are outlined with multiple thin, light-colored lines. The background is decorated with vertical borders of dark red triangles pointing downwards, and horizontal borders of dark red triangles pointing to the right. The text 'Pae Ora' is in a white, serif font, and 'Living Well' is in an orange, italicized serif font.

Pae  
Ora

*Living  
Well*

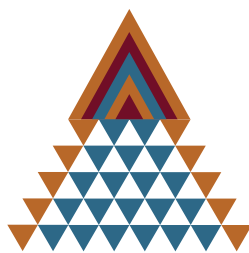




“My family says we have always seen, and we have seen differently, and that is our science too. We hear the voices, we hear the dreams, we sing the songs, and we know that our connection to land and to community is who we have always been. As we do this work, we are not only healing forward, we are healing backwards too.”

Abigail Echo-Hawk





*Ka whakawhenua tātou i a tātou anō,  
kia toitū te noho tahi mō āke tonu atu*

In its broadest sense, Pae Ora is an expression of tino rangatiratanga. Pae Ora acknowledges the fundamental importance of whanaungatanga, with whānau located at the centre of decision-making about their lives and futures. Pae Ora advances research that values the lived experiences of Māori, discovers patterns of engagement with societal services and systems, and evolves strategies for transformative change that realises deep wellbeing with and for Māori.

Our NPM researchers traversed a diverse range of Pae Ora projects in 2024, from racism in schools and the longer-term effects of tamariki being placed in state care, to the potential benefits of CAR T-cell therapy to improve cancer outcomes and patient experiences of apronectomy in Te Tairāwhiti. We continued to support the development of our student researchers with six summer interns working on supervised projects exploring different aspects of Pae Ora. With the release of new census data, NPM researchers continued to be a 'go to' source for media commentary on Māori population issues.

*Research to influence positive change  
for healthy and meaningful lives*







## *Ngā Tīpako* *Highlights 2024*

Senior NPM researcher Associate Professor Karyn Paringatai and the Hereditary Diffuse Cancer Team win the prestigious Prime Minister's Science Prize.



NPM researchers continue to identify and challenge structures of racism and inequity.



Senior researchers continue to support the potential of early-career researchers through our highly successful summer internship programme.



# Rangahau *Research*

## Kaupapa Mātāmua *Featured Work*

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### Combating Bias In Schools: A Kaupapa Māori Study into Students' Experiences of Racism

**Lead: Dr Maia Hetaraka** (Ngāti Wai, Ngāi Tahu, Ngā Puhī, Ngāti Paoa) (UoA).

When Dr Maia Hetaraka started a Matakiteinga research project exploring Māori school leavers' experiences of racism while at school, poetry was the last thing on her mind. However, Maia and her research assistant Rhoen Hemara (Te Rarawa, Te Kapotai, Ngā Puhī) were struck by the powerful, unfiltered quality of their conversations with young people and felt that repackaging their kōrero into journal articles and teaching resources would lessen the impact of their voices. 'So, we took their words and looked at different sections and turned their conversations into poetry, and they make for uncomfortable, yet amazing, reading,' says Maia.

The rangatahi involved in the research identified two types of racism they had experienced and observed while at school: personal and structural. They described how teachers categorised Māori as 'good' or 'bad' according to whether they were academic or not. 'They see the different ways they are treated, the body language, the tone of voice; they often couldn't explain what they were seeing, but their senses are highly attuned,' says Maia, a teacher herself.



**Maia Hetaraka and research assistant Rhoen Hemara, who exhibited poetry created by rangatahi as part of their research. The exhibition took place at the Hihiaua Cultural Centre in Whangārei.** Photograph: Rhoen Hemara

While teachers have opportunities for anti-racism training, Maia says most of it is theoretical. ‘What is missing in training is the student’s voice. This poetry gives teachers the chance to let their hearts see what students are feeling when they are subjected to racism.’

Maia held an exhibition of the poetry in Whangārei and says the creative outcome of her research has had an unexpectedly positive impact on her own work as a researcher. ‘I came into this project intent on outputs. But the creative outcome for me has been a change in who I am as a researcher. I realised as researchers, while we want to make big changes for our people, sometimes those big changes come in the form of small voices that ache to be heard.’

This report is adapted from a story that featured in our NPM e-pānui.

### Read more

Hetaraka, M. (2024). *Te kauae tuku iho | Inheriting the sacred jawbone: Indigenous knowledge holders re-imagine education*. NZCER Press.

Dr Maia Hetaraka’s book calls for Māori-focused education reform: <https://www.nzherald.co.nz/kahu/dr-maia-hetarakas-book-calls-for-maori-focused-education-reform/2PBWI3OORRHYFIXLA6Q4PN3WMA/>

## Developing Methodological Approaches to Tracking Historical Trauma

**Lead: Dr Belinda Borell** (Ngāti Ranginui, Ngāi Te Rangi, Te Whakatōhea) (MU).

Extensive international scholarship demonstrates Indigenous people are particularly and uniquely affected by historical trauma through colonisation. Specific acts of oppression that remain unaddressed often result in the intergenerational transfer of trauma and trauma responses. In Aotearoa, one such act was the forced removal of Māori children from their families to be placed in a range of state and church managed institutions. Indeed, these removals were a key plank of colonial policy and practice. A recent Royal Commission of Inquiry investigated what happened to children, young people and vulnerable adults in state and faith-based care in Aotearoa between the years 1950 and 1999.

Dr Belinda Borell’s Matakitega project uses data from the Stats NZ Integrated Data Infrastructure (IDI) to track the trajectories and outcomes of children placed in state care over those five decades. The IDI is a research database that holds a large volume of de-identified government data, and increasingly non-government organisational data, about people and households. Using a Kaupapa Māori methodological approach, the study identifies the trauma responses and resiliency factors of those who experienced abuse in care and any traceable intergenerational transmission of trauma to subsequent generations. Because the project utilises existing data sets, it does not involve in-person engagement with affected survivors and whānau.



## Mahinga Hou *New Work*

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### **Te Ara Pokanga o te Kiri: Patient Experiences of Apronectomy for Excess Skin Removal Following Significant Weight Loss in Te Tairāwhiti**

**Lead: Dr Jamie-Lee Rahiri** (Ngāti Porou, Ngāti Whātua ki Kaipara, Te Ātihaunui-a-Pāpārangī) (UoA), with Associate Professor Matire Harwood (Ngāpuhi) (UoA), Dr Samantha Grace (Te Whānau-a-Apanui, Ngāti Maru, Ngāti Tūwharetoa, Ngāpuhi) (Te Whatu Ora), and Ms Atareta Mangu (Ngāti Porou, Ngāti Hine) (Te Puni Kōkiri).

Te Tairāwhiti offers publicly funded apronectomy surgery to remove excess skin on the tummy after significant weight loss. Led by Dr Jamie-Lee Rahiri, this Matakiteanga project explores whether apronectomy surgery has conferred benefits in terms of improving quality of life for patients and their whānau. Despite being a major procedure, there are no resources available in the public sector for this type of surgery. One of the key outcomes of this research will be to produce resources for whānau to outline the key features of apronectomy surgery and its risks, as well as a postoperative recovery tool to aid in better follow-up for whānau. The research team will investigate postoperative complications and undertake in-depth interviews with whānau who have had an apronectomy in Te Tairāwhiti.

### **Investigating the Influence of Socio-Cultural-Political Pressures on Māori Suicide: A Comparison of Known Māori Suicides from 1840–1939 with those from 1940–2019**

**Lead: Dr Lynne Russell** (Ngāti Kahungunu, Rangitāne, Kāi Tahu, Kāti Māmoe, Ngāti Porou) (VUW), with Sonny Niha (Ngāti Hine, Ngāpuhi) (UoA), Te Waere Ti Peeti (Ngāti Rangiwewehi, Raukawa ki te Tonga) (UoA), & Witeria (Witi) Ashby (Ngāti Hine, Ngāti Kawa).

Every week in Aotearoa, the lives of a disproportionate number of whānau Māori are forever changed by suicide. There are multiple and complex reasons for suicide and rates for Māori remain stubbornly high, despite intense efforts focused on prevention. Led by Dr Lynne Russell, this Matakiteanga project builds on prior research showing a correlation between incremental increases in Māori suicides and the alienation of Māori from their land, language and identity. The team will map Māori suicides from 1940–2019 against relevant government policy of that era to build a better understanding of the influence of socio-cultural-political pressures. The project is a multi-institutional collaboration between Te Hikuwai Rangahau Hauora in the Faculty of Health, Te Herenga Waka (VUW), and Te Ata Hāpara, the new suicide research centre of excellence in the Faculty of Medical and Health Sciences, Waipapa Taumata Rau (UoA), with crucial support from kaumātua.

## Kaupapa Kua Porotutuki *Completed Work*

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### **Combating Bias in Schools: A Kaupapa Māori Study Into Students' Experiences of Racism, by Māori, with Māori, for the Benefit of Māori**

**Lead: Maia Hetaraka** (Ngāti Wai, Ngāi Tahu, Ngā Puhī, Ngāti Paoa) (UoA).

**Read more**

<https://www.maramatanga.ac.nz/project/22MR03>

### **Toiora, Hauora: Developing Māori Arts-Based Pedagogy for Whānau Wellbeing**

**Lead: Hinekura Smith** (Te Rarawa, Ngā Puhī) (UoA).

**Read more**

<https://www.maramatanga.ac.nz/index.php/project/22MR13>

### **Whakamana: Empowering Wellbeing for Rangatahi Takatāpui**

**Lead: Dr Rāwiri Tinirau** (Te Āti Haunui-ā-Pāpārangī, Ngāti Rangī, Ngāti Tūwharetoa, Ngāti Kahungunu, Tūhoe) and Morgan Tupaea (Te Atawhai o te Ao).

**Read more**

<https://www.maramatanga.ac.nz/Index.php/Project/22mr17>



**Dr Rāwiri Tinirau.** Photograph: NPM



# Whakaaweawe

## *Influencing Transformation*

### Wānanga Paetukutuku

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#### **Te Whare Pora: Mātauranga Māori Pregnancy, Birthing and Beyond**

**Panellists:** Professor Helen Moewaka Barnes, Niwa Brightwell, Hiramarie Moewaka Latimer

NPM senior researcher Professor Helen Moewaka Barnes was joined by Niwa Brightwell and Hiramarie Moewaka Latimer for a Wānanga Paetukutuku on mātauranga and practice in relation to pregnancy and birthing. Te Whare Pora provides the tūrangawaewae where multiple practices can be embraced within Māori conceptual, spiritual and physical spaces, in contrast to more clinically focused approaches.

**Watch here**

<https://www.maramatanga.ac.nz/index.php/node/2149>

#### **Impact and Collaboration**

NPM senior researcher Associate Professor Karyn Paringatai is part of the Hereditary Diffuse Gastric Cancer Group that received the Prime Minister's Te Puiaki Pūtaiao Matua a Te Pirimia Science Prize 2023 (awarded in 2024). In 1995, Otago researchers, led by geneticist Professor Parry Guilford, established a partnership with Kimihauora Health and Research Clinic, on behalf of the McLeod whānau (Ngāi Te Rangī, Ngāti Ranginui). The whānau had a traumatic history of stomach cancer and wanted to work with scientists to identify the gene responsible. Through a whānau-centred collaborative approach, the CDH1 gene was identified, and a genetic test and management techniques developed that has since saved thousands of lives.

Says Karyn, 'The McLeod whānau and Kimihauora are an exemplar of how whānau can work with healthcare professionals and researchers in a way that works best for them. They have established respectful relationships that work for the hospital, researchers and for affected whānau. The medical team and Kimihauora are able to have those difficult conversations to work through situations together and then reassess plans afterwards. Jeremy is really amazing in his work with whānau and he has operated on different generations of the same whānau to give them the best healthcare outcomes possible.'

Karyn was granted a Marsden Fund award in 2019 with one of her aims being to examine the importance of knowing one's whakapapa. Karyn believes knowledge of whakapapa helped save her own life and the lives of others with the CDH1 gene. Says Karyn: 'There is so much we can learn from the McLeod whānau: how they built relationships; how they were able to share health data on their own terms; and most of all, how they are not passive bystanders in the health of their whānau. The McLeod whānau are the template for how you can be proactive and empowered players in determining your own health outcomes.'

Note: This report is adapted from a story that featured in our NPM e-pānui.



## Expertise in Demand

NPM senior researcher Associate Professor Donna Cormack, who leads one of NPM's FIRST multi-year research programmes Research to Interrupt Racism and (In)equity (RIRI), continues to be sought after for her expertise on racism, health equity and data sovereignty. Donna gave a number of invited talks and keynotes including at the Māori Medical Practitioners Hui-ā-Tau, and continued to contribute to the research and advocacy of the Global Indigenous Data Alliance.

## Staunch Advisor

NPM Pou Matarua Professor Tahu Kukutai was named as an international adviser on a new project funded by the National Health and Medical Research Council (NHMRC), Australia's primary body for supporting health and medical research. The \$5 million project Stronger Together As Unified Nations for Community-led Health (STAUNCH) is led by Associate Professor Veronica Matthews at the University of Sydney and aims to strengthen the capacity for self-governance among Australian First Nations.

## He Pitopito Kōrero *In The News*

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### Resourcing Rangatiratanga

Dr Matthew Scobie appraises the Government's promise to decentralise social services and devolve responsibility to iwi and hapori.

### Population

With the rate of natural increase in Aotearoa at its lowest in 80 years, Professor Tahu Kukutai joined TVNZ 1's *Breakfast* show on 23 February 2024 to explain what is driving lower fertility and how it relates to global trends.

### Innovative Partnership Focuses on Dementia

Dr Makarena Dudley was among those who launched a new partnership to improve outcomes for whānau living with dementia has been launched in the Far North. <https://www.nzherald.co.nz/northern-advocate/news/northland-and-university-of-auckland-innovative-partnership-focuses-on-dementia/U2MLLWM4BNDDXCC6D7NAO55EOM/>

### 2023 Census Data Release

Tahu Kukutai joined *Breakfast* again, on 29 May 2024, to discuss declining fertility in Aotearoa.

### Māori Population Hits One Million

Tahu Kukutai speaks about the 'remarkable resilience' of Māori as the population reached the one million milestone. <https://www.theguardian.com/world/article/2024/jun/07/new-zealand-maori-population-nz-hits-one-million>

### Hamilton Set To Overtake Wellington

Dr Moana Rarere speaks on the latest population projections indicating Hamilton on track to surpass Wellington as the country's third largest city by 2058. <https://www.waikatotimes.co.nz/nz-news/360472534/not-if-when-hamilton-set-overtake-wellington>

# Ngā Amokapua Rangahau ā Mua

## *Future Research Leaders*

### Te Kupenga o MAI Hui-ā-Tau 2024

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#### **E Ara e Te Rā: Shedding Light on a Kaupapa Rangahau Investigating CAR T-Cell Cancer Therapy**

**Student: Danielle Sword** (Muaūpoko, Ngāi Tara, Te Ātiawa, Ngāti Toarangatira, Kāi Tahu)  
(Malaghan Institute of Medical Research).

PhD student Danielle Sword is passionate about the potential for CAR T-cell therapy to improve cancer outcomes for whānau Māori in Aotearoa. At the 2024 MAI Hui-ā-Tau, she talked about the complexities of cancer and how CAR T-cells are engineered for cancer therapy, its use internationally, and the challenges of therapy success. Danielle defines success both in terms of how well the therapy works and in terms of accessibility to whānau. Danielle's PhD study explores both of these success dimensions by creating different types of CAR T-cells in the laboratory and examining their ability to eliminate tumour cells, as well as exploring Māori perspectives on CAR T-cell cancer therapy and its impact for whānau.



**PhD student Danielle Sword at work in the lab.**  
Photograph: Malaghan Institute of Medical Research

## PhDs Submitted

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### **Te Kai Ora a Kāi Tahu: Conceptualising Kāi Tahu Kai Sovereignty And Māori Nutrition Data Sovereignty**

**Hannah Rapata** (Kāi Tahu) (UoA).

### **Understanding Contemporary Māori Fertility Patterns and Trends in Aotearoa New Zealand**

**Moana Rarere** (Rongomaiwahine, Ngāti Kahungunu, Tūhoe, Te Whakatōhea) (UoW).

### **Hinenuitepō, Nui Te Ao Mana Tinana, Mana Mōmona: A Fat Wāhine Māori Pūrākau of Body Sovereignty**

**Ashlea Gillon** (Ngāti Awa, Ngāpuhi, Ngāi te Rangi) (UoA).

## 2024/2025 Raumati Internships

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### **Effects of Historical Trauma for Māori Through Their Experiences of State Welfare**

**Intern:** Tui Barrett (Ngāti Maniapoto, Ngāti Te Māwe, Waikato, Tainui, Kāti Māmoe, Kāti Irakehu, Kāti Māko, Kaithu Whānui) (UoW). **Supervisor:** Dr Belinda Borell (MU).

### **Decolonising Child Protection in Aotearoa: What Can Be Learned From First Nations Internationally?**

**Intern:** Kaea Hudson (Ngāti Hine, Ngāti Awa, Tūhoe) (VUW). **Supervisor:** Dr Luke Fitzmaurice-Brown (VuW).

### **Whakamana: Empowering Wellbeing for Rangatahi Takatāpui – Weaving a Whāriki for Mana-Enhancing Engagement**

**Intern:** Shawnee Cunningham (Ngāti Maniapoto, Ngāi Tahu) (UoW). **Supervisor:** Morgan Tupaea (Te Atawhai o te Ao).

### **ADHD in Australasia and the Pacific: A Comprehensive Literature Review**

**Intern:** Irene Farnham (Ngāti Awa, Tūhoe) (Unitec). **Supervisor:** Associate Professor Byron Rangiwai (UoO).

### **Māori Whānau Mental Health and Addiction Journeys**

**Intern:** Eileen Wolland (Te Paatu, Ngāti Kahu, Te Rarawa, Ngāpuhi) (MU). **Supervisor:** Dr Erena Wikaire (TWWoA).





Keynote Panellists at IIRC2024 were Prime Ministers Science Prize winners Associate Professor Karyn Paringatai, Maybelle McLeod and Erin Gardiner. Photograph: NPM



# He Hua Kua Puta

## *Selected Outputs*

**Barnes, H. M., Paine, S. J., Pitama, S., & Ruru, J. (2024).** *A review of New Zealand's commitment to the UN Sustainable Development Goals.* AgResearch. <https://doi.org/10.57935/agr.26001415>

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**Cormack, D., Gooder, C., Jones, R., Lacey, C., Stanley, J., Paine, S. J., Curtis, E., & Harris, R. (2024).** Māori medical student and physician exposure to racism, discrimination, harassment, and bullying. *JAMA Network Open [Online]*, 7(7), Article e2419373. <https://doi.org/10.1001/jamanetworkopen.2024.19373>

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**Keddell, E., Colhoun, S., Norris, P., Willing, E., & Cormack, D. (2024).** *Decisions to report children to Oranga Tamariki by police staff in Aotearoa: Reasons, processes and outcomes.* A University of Otago project, funded by the Royal Society of New Zealand Marsden Fund. Available at <https://ourarchive.otago.ac.nz/esploro/outputs/report/Decisions-to-report-children-to-Oranga/9926521980401891#file-0>

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**Loring, B., Reid, P., Curtis, E., McLeod, M., Harris, R., & Jones, R. (2024).** Ethnicity is an evidence-based marker of need (and targeting services is good medical practice). *The New Zealand Medical Journal [Online]*, 137(1603), 9–13. <https://doi.org/10.26635/6965.e1603>

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**Elers, C. N. H. (2024).** Communicating Māori Health and Wellbeing Platforms for voice and (re) connecting with whenua through māra kai practices. *MAI Journal: A New Zealand Journal of Indigenous Scholarship*, 13(1), 103-114. <https://doi.org/10.20507/MAIJournal.2024.13.1.9>

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**Garcia, R. E. S. (2024).** Culture and health outcomes for a First Nation community. *AlterNative: An International Journal of Indigenous Peoples*, 20(3), 540–548. <https://doi.org/10.1177/11771801241262389>

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**Guinto, R., Holley, K., Pictou, S., Tinirau, R., Wiremu, F., Andréé, P., Clark, J., Levkoe, C., & Reeve, B. (2024).** Challenging power relations in food systems governance: A conversation about moving from inclusion to decolonization. *Journal of Agriculture, Food Systems, and Community Development*, 13(2), 91–108. <https://doi.org/10.5304/jafscd.2024.132.009>

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**Williams, R., Eades, F., Whitby, J., Davis, K., McKay, C., Gubhaju, L., & Eades, S. (2024).** Developing the 'Moorditj Moort Boodja (Solid Family and Country) on the ground community relational framework for Aboriginal research engagement' in Western Australia: The Next Generation Aboriginal Youth Well-being Cohort Study. *AlterNative: An International Journal of Indigenous Peoples*, 20(1), 205–214. <https://doi.org/10.1177/11771801241235407>

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**Berryman-Kamp, M. (2024).** Tikanga-informed considerations for Māori gender diversity. *MAI Journal: A New Zealand Journal of Indigenous Scholarship*, 13(1), 115-125. <https://doi.org/10.20507/MAIJournal.2024.13.1.10>

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Dr Pasang Dolma Sherpa at IIRC2024.  
Photograph: NPM





Pae  
Tawhiti

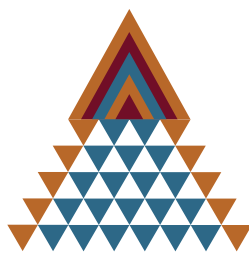
*Living  
Lightly*



“I am honoured to tell the story of a Sherpa girl. That Sherpa is not just a porter. Sherpa are the leaders, the guardians, the warriors who change our community, who lead with respect and a dignified life of who we are in our landscape.”

Dr Pasang Dolma Sherpa





*Ka whakawhenua tātou i a tātou anō,  
kia toitū te noho tahi mō āke tonu atu*

Pae Tawhiti enables research into healthy, liveable environments and meaningful livelihoods, with a strong whānau focus. Our research considers alternative economic models and laws driven by Māori values that recognise and support Māori forms of participation and engagement. Dramatic shifts in the nature of work require different and more portable skill sets and the removal of societal impediments. Strengthening the capacity of whānau to be self-determining and self-sufficient in their daily lives is key.

*Research to grow responsible social,  
economic and environmental relationships*



Kaila Tawera submitted her Mater's thesis as part of Toitū he Kāinga. She stands next to an important taonga in her research. Photograph: Supplied.





## *Ngā Tīpako Highlights 2024*

More than 14 academic presentations at leading conferences, including IIRC2024 and ACSP, strengthening Māori perspectives in planning.



Engagement with territorial councils and government agencies, advocating for systemic change in urban development policies.



A growing body of peer-reviewed research that challenges settler-colonial planning norms and fosters Indigenous self-determination in urban environments.



Strong postgraduate mentoring, with five students on track to complete groundbreaking research.







# Rangahau

## Research

### Kaupapa Mātāmua *Featured Work*

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#### Toitū He Kāinga: Healthy Environmental Relationships in Urban Settings

**Lead: Professor Michelle Thompson-Fawcett** (Ngāti Whātua) (UoO), with Dr Robin Quigg (Raukawa, Ngāti Tamaterā) (UoO), Dr James Berghan (Te Rarawa, Te Aupōuri) (UoO), Dr Crystal Victoria Olin (UoO), Els Russell (Ngāti Maru), Corrigan Millar (Ngāti Kahungunu ki Te Wairoa), and Kaila Tawera (Ngāti Porou) (UoO).

*Toitū he Kāinga*, one of NPM's FIRST multi-year research programmes, is driven by a dedicated team led by Professor Michelle Thompson-Fawcett. Together, the team is pioneering Indigenous urban planning and environmental sustainability efforts, with major strides in postgraduate research, policy influence and community engagement.

#### Key milestones and achievements of programme components

- The *Nourishing Greenspaces* team, led by Robin Quigg, has analysed more than 6000 journal articles on Indigenous relationships with parks and reserves. This research is already informing planning strategies, with conference presentations and peer-reviewed papers in progress.
- The *Decolonising Urban Areas and Sustainable Kāinga* team is led by James Berghan and Crystal Olin (VUW). With students, they are designing small, adaptable homes for Māori whānau, developing a papakāinga model centred on a whare wānanga, and exploring Māori 'civic-ness' in Wellington's Te Ngākau Civic Precinct. Their research also examines urban papakāinga and social housing, alongside digital and physical architectural site modelling. The research has drawn international attention, with a webinar attracting 400 participants globally.

#### Watch here

<https://communityresearch.org.nz/webinar/conceptions-of-housing-papakāinga-co-housing-and-māori-perceptions-of-home/>

- The Indigenising Urban Planning team, led by Michelle Thompson-Fawcett and working with postgraduate students, has examined how Māori identity and rangatiratanga contribute to the quality of life, and how Māori young people perceive and encounter their respective urban environments. This work provides insights into identity and sense of belonging for Indigenous citizens. Michelle was an invited panellist for a webinar hosted by The Sustainability Society (Engineering New Zealand Te Ao Rangahau) and focused on: What would our future urban centres look like if we used Māori urbanism to plan Aotearoa 2050? How could urban interaction with natural environments change, and might we see urban papakāinga and social third spaces gain in importance?

#### Watch here

[https://www.youtube.com/watch?v=at\\_8JLZ1x54](https://www.youtube.com/watch?v=at_8JLZ1x54)





Some of the team undertaking Toitū He Kāinga research. From left to right: Dr Robin Quigg, Professor Michelle Thompson-Fawcett and Daizy Thompson-Fawcett. Photograph: The University of Otago.



## The Interaction of Tikanga Māori Law, Climate Change and Tort Law

**Lead: Metiria Stanton Turei** (Ngāti Kahungunu ki Wairarapa, Āti Haunui a Pāpārangī, Te Atiawa, Rangitāne) (UoO).

A groundbreaking Matakiteanga research project is placing tikanga Māori at the forefront of climate justice, examining its role in legal battles across Aotearoa, Australia, Canada and the Pacific. Led by legal scholar Metiria Stanton Turei, this project is revealing how Indigenous legal principles are shaping climate litigation worldwide. The research team recently presented early findings at the Australasian Law Academics Conference in Adelaide (July 2024), positioning tikanga Māori within global climate law debates. Four research assistants have been brought on board, each investigating Indigenous-led climate litigation across different jurisdictions, further strengthening the project's international scope. With a major publication expected by mid 2025, the research will provide case studies and legal strategies designed to empower Māori communities in their environmental advocacy.

## Mahinga Hou *New Work*

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### Te Rangianiwaniwa a Te Harakeke – The Harakeke's Rainbow

**Lead: Angela Kilford** (Ngāti Porou, Ngāti Kahungunu ki Wairoa, Te Whānau A Kai) (MU), with Sonya Withers (Sama'i, Falelatai, Sāmoa) (MU), Tanya Ruka (Ngāti Pākau, Ngāpuhi) (VUW), Briar Moffat (Raukawa, Ngāti Tukorehe) (Te Whare Kotare), William Xu (MU), Ally Ataria (Raukawa) (MU), Julia Hope, Huhana Smith (Ngāti Tukorehe, Raukawa) (MU), and Faith Kane (MU).

A new research initiative grounded in mātauranga Māori is bringing together textile researchers, Māori practitioners, and scientists to advance knowledge of native plant dyes and fibres. In partnership with Ngāti Tukorehe (Kuku, Horowhenua), the project aims to align scientific research with iwi values, ensuring economic, environmental and social benefits. Māori weavers have increasingly relied on synthetic textile dyes because they are slow to degrade, displacing traditional plant-based methods. However, synthetic dyes are also often toxic. This research seeks to revive and innovate customary dyeing techniques, promoting sustainable alternatives that are safer for both people and the environment.

Building on previous findings, the team has developed solvent-free methods to extract effective flavonoid dyes from native plants such as harakeke, kānuka, mānuka, mātipō and karamu. The next phase will expand testing to include by-products from industries like the essential oil sector, incorporating iwi-led wānanga with expert weavers. With the long-term goal of commercialising natural dyes for muka (harakeke fibre), the project strengthens the relationship between science and mātauranga Māori while fostering environmentally responsible textile practices.

## Understanding and Enhancing Climate Change and Oranga/Wellbeing Research in Te Tairāwhiti

**Lead: Teah Carlson** (Te Whānau-ā-Apanui, Ngāti Porou) (MU), with Dr Naomi Simmonds (Raukawa) (Taku Tapuwae), Dayna Chaffey (Ngāti Porou) (Te Weu Charitable Trust), Renee Raroa (Ngāti Porou) (Te Weu Charitable Trust), and Manu Caddie (Ngāti Pūkenga, Ngāti Ranginui, Ngāti Hauā) (Te Weu Charitable Trust).

This project, in collaboration with Te Weu Charitable Trust, will undertake a scoping study that aims to understand the research needs of Māori communities in Te Tairāwhiti, specifically in relation to climate change. Whānau, hapū and iwi within Te Tairāwhiti are knowledge holders, ringa raupā and leaders about the local environment and local communities. This unique and comprehensive knowledge system is central to our cultural identity and wellbeing and is pivotal to climate change adaptation, mitigation and building resilient communities. Despite its significance, no systematic effort has been made to map climate and oranga/wellbeing-related research undertaken within Te Tairāwhiti and test its utility and impact on Māori communities and whānau. The research team will conduct a landscape mapping exercise to understand the research carried out in and about Te Tairāwhiti, with a particular emphasis on the gaps and opportunities within the research landscape that will serve to support Māori, whānau and hapū, and whenua climate research needs moving into the future.

## Kaupapa Kua Porotutuki *Completed Work*

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### Te Kōrero a Te Reporepo: Understanding The Connection Between Tohu, Te Maramataka and the Health of Te Taiao

**Lead: Dr Isaac Warbrick** (Ngāti Te Ata, Ngāti Rangitihi, Ngāpuhi) (AUT).

### The Interaction of Tikanga Māori Law, Climate Change and Tort Law

**Lead: Metiria Stanton Turei** (Ngāti Kahungunu ki Wairarapa, Āti Haunui a Pāpārangi, Te Atiawa, Rangitāne) (UoO).

### Examining the Contribution of Mātauranga Māori to Climate Health in Aotearoa

**Lead: Dr Ken Taiapa** (Ngāti Porou, Rongowhakaata, Te Whānau-ā-Apanui) (UoO).



# Whakaaweawe

## *Influencing Transformation*

### Redefining Māori Entrepreneurship – Mahi Rangatira

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Māori entrepreneurship is more than just business – it's a legacy of leadership, vision and collective wellbeing. Dr Abigail McClutchie's groundbreaking PhD research on mahi rangatira unveils a values-based model of noble, chiefly leadership and entrepreneurial practice that challenges conventional economic thinking. By examining historical accounts of Māori leaders engaging in trade and conducting case studies of kaupapa-driven Māori entrepreneurs, McClutchie highlights that Māori business is deeply rooted in whakapapa, relational accountability and tino rangatiratanga. It's not just about profit – it's about sustainability, community and ethical leadership. With her PhD now complete, Dr McClutchie's work is set to influence business, policy and leadership, ensuring that Māori entrepreneurship remains a force for both economic innovation and cultural empowerment.



**Abigail McClutchie.**  
Photograph: NPM

### Wāhine Māori Academics: Learning, Leading, And Lifting Whānau

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For Marcelle Wharerau, being an academic isn't just about books, lectures, and research – it's about whānau. It's about juggling university study with school pickups, writing deadlines with whānau hui, and weaving together a future where Māori women don't have to choose between education and culture. Her IIRC2024 paper presentation, *Te Aho Tāngaengae: Māmā, Auntie, Wahine, Māori, Academic*, co-authored with Karyn Paringatai, shines a light on wāhine Māori who are the first in their families to attend university – while also raising

children, supporting whānau and carrying the weight of cultural responsibility. For many, being first-in-family at university is seen as breaking new ground. But Wharerau and Paringatai challenge this idea, arguing that these women aren't just pushing forward – they're pulling their whānau up with them. Education isn't just about getting a degree; it's about strengthening whakapapa, embedding te reo Māori, tikanga and mātauranga Māori into everyday life, and making sure the next generation walks a path where identity and success go hand in hand. With nearly half of recent Māori graduates being first-in-family, and most of them wāhine, this research is timely, necessary and deeply personal.

## Amelia Kendall Forging a Path for Indigenous Rights

For Amelia Kendall, the law is more than a profession – it's also a tool for transformation. A proud descendant of Te Rarawa, raised between Mitimiti in the Hokianga and Manurewa, Auckland, Amelia has long been driven by a passion for justice, particularly for Māori and Indigenous peoples worldwide. Now, thanks to the Borrin Foundation – Ngā Pae o te Māramatanga Postgraduate Scholarship, she is set to take her commitment to the next level, pursuing a Master of Laws (LLM) in the United States. Her studies will focus on constitutional, Indigenous and international law, examining how domestic and global human rights frameworks impact Indigenous self-determination and governance. She is particularly interested in how constitutional models around the world – along with treaties, declarations and legal instruments – shape Indigenous rights and empower communities to assert mana motuhake. With an \$80,000 scholarship backing her, Amelia's journey will not only expand her own expertise but also contribute to the national conversation on what true partnership between Māori and the government should look like – grounded in He Whakaputanga, te Tiriti o Waitangi and global Indigenous legal movements. Her mission is clear: to shape a future where Māori constitutional rights are not just debated, but deeply embedded in Aotearoa's legal and political landscape.



**Amelia Kendall will use her Borrin | NPM Scholarship to undertake a Master of Laws in the United States with a focus on constitutional, Indigenous and international law.**  
Photograph: Supplied

## He Pitopito Kōrero *In The News*

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### **Smith Climate Case Takes Tikanga to Tort Law**

In February 2024, the Supreme Court overturned a Court of Appeal ruling the case against seven of New Zealand's largest companies had no chance of success, and sent it back to the High Court. Dean of AUT's Law School, Professor Khyllie Quince says that the Court's decision that Mike Smith's case against climate change emitters can be heard is a game changer for the legal system. <https://waateanews.com/2024/02/09/smith-climate-case-takes-tikanga-to-tort-law/>

### **Wastewater Tests Show Low Alcohol Use in Māori Communities**

Analysis of wastewater has called into question assumptions about Māori and Pasifika being big drinkers. University of Auckland doctoral student Miriama Wilson was part of a study that took wastewater monitoring techniques used to assess COVID-19 and drug use, and applied them to alcohol. <https://waateanews.com/2024/03/21/wastewater-tests-show-low-alcohol-use-in-maori-communities>

### **Our Land Report Adds Nuance to Farming**

The Māori research impact leader for Manaaki Whenua Landcare Research has welcomed the Environment Ministry's latest *Our Land* report. Dr Nikki Harcourt says that the report acknowledges the importance of mātauranga Māori in assessing environmental health. <https://waateanews.com/2024/04/15/our-land-report-adds-nuance-to-farming/>

### **Empowering Rangatahi Māori: New Research Project Scores 'Golden' Grant**

Massey University Kaupapa researcher Dr Teah Carlson received \$649,992 from the Health Research Council to use rangatahi voices from the East Coast to help co-design initiatives to make positive change during climate change and to create future leaders. She discusses the project with Daniel Perese from *Te Ao Māori News*. <https://www.teaonews.co.nz/2024/05/22/empowering-rangatahi-maori-new-research-project-scores-golden-grant/>

### **Changes to Customary Law 'Deeply Reckless'**

Victoria University law lecturer Dr Luke Fitzmaurice-Brown says that the Bill proposing changes to the Marine and Coastal Area Act is based on the racist myth that upholding Māori coastal rights meant people would be unable to access public beaches. <https://www.rnz.co.nz/news/te-manu-korihi/532363/changes-to-customary-marine-title-deeply-reckless-law-expert>



# Ngā Amokapua Rangahau ā Mua

## *Future Research Leaders*

### Te Kupenga o MAI Hui-ā-Tau 2024

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#### Exploring Indigenous Notions of Wellbeing and Planning as Mechanisms for Spatializing Postgrowth

**Cassino Doyle** (Te Whakatōhea) (UoO).

With a Master of Planning and many years of experience in infrastructure planning and development, PhD student Cassino Doyle brings a wealth of practical knowledge to his doctoral research at the nexus of Indigenous wellbeing and spatial planning.

The literature shows that Indigenous wellbeing is influenced by relationships between people, place, the natural environment, self-determination and cultural identity. Cassino's study also recognises that wellbeing is influenced by systemic externalities including climate change, the ongoing impacts and structures of colonialism, a growth-based economic system, and the spatial implications of these factors. Wellbeing thus has material challenges. The question arises: How might we preserve and advance the wellbeing needs of future generations?

While 'postgrowth' scholars suggest the answer lies in a reorientation towards wellbeing economies that challenge the hegemony of growth-based economics, there are few Indigenous perspectives in the field. Adopting a systems thinking approach, Cassino's doctoral research will characterise and critique a contemporary expression of kāinga economies, seeking insights to inform (radical?) spatial planning and associated policy interventions.

#### Read more

<https://www.researchprofessionalnews.com/rr-news-new-zealand-2019-7-ihumatao-protests-show-need-for-changes-to-nz-s-heritage-laws/>



**Cassino Doyle.**  
Photograph: Supplied.

## 2024/2025 Raumati Internships

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### Scoping the Mental Health Impacts of Climate Change on Food Sovereignty in Indigenous Peoples

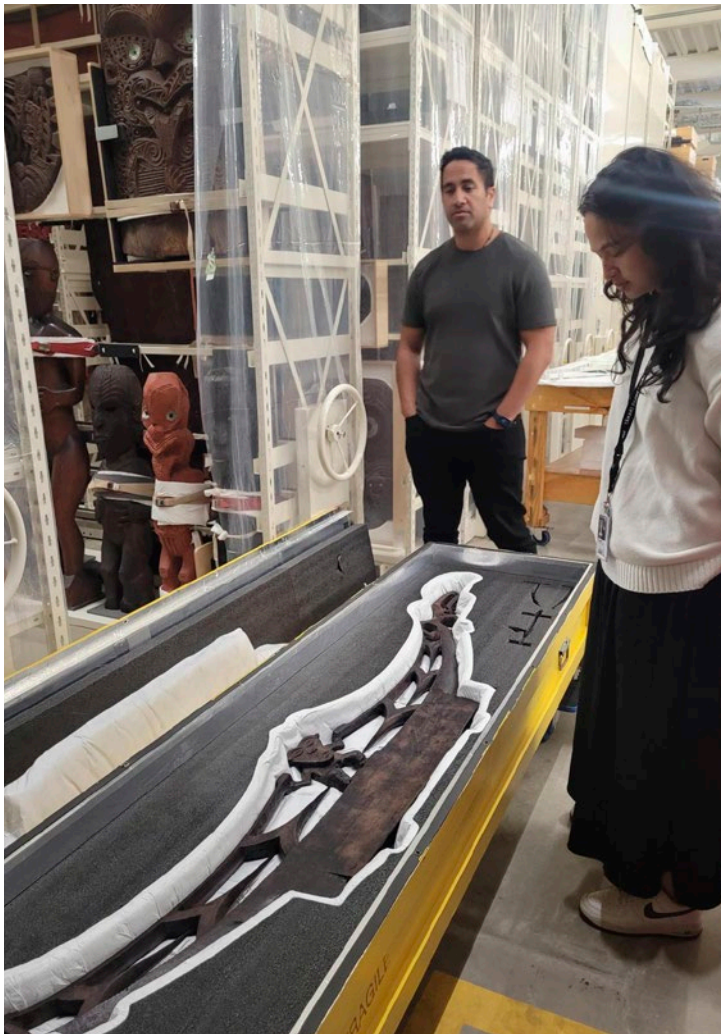
**Intern:** Aria Ngarimu (Te Aitanga-ā-Mate, Ngāti Kahungunu ki Wairoa, Rongomaiwāhine, Te Whānau-ā-Apanui) (VUW). **Supervisor:** Dr Kenneth Taiapa (UoO).

### Kaitiaki Pā Harakeke for Socio-Environmental Wellbeing

**Intern:** Tanya White (Ngāti Whātua, Ngāti Hineāmaru, Ngāti Maniapoto) (UoA). **Supervisor:** Associate Prof Hinekura Smith (Unitec).

### The Trajectory of Tangonge

**Intern:** Rāwinia Wikaira (Ngā Puhi, Ngāti Wai, Ngāi Takoto, Ngāti Kuri, Rangitāne o Wairau, Ngāi Te Rangi) (UoO). **Supervisor:** Nicola Railton (Ngāpuhi, Ngāti Kuri, Ngāi Takoto) (AWMM).



NPM Raumati intern Rāwinia Wikaira with Te Arepa Morehu (Tumuaki Māori for Tāmaki Paenga Hira). Photograph: AWMM

# He Hua Kua Puta

## *Selected Outputs*

**Potiki, M., O'Brien, R., Macmillan, A., Roy, G., Stephenson, J., & Thompson-Fawcett, M. (2024).** Whakatō te pū harakeke: Embedding bicultural principles into a design process. *MAI Journal*, 13(1), 89–102. <https://doi.org/10.20507/MAIJournal.2024.13.1.8>

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**Russell, E., Quigg, R. & MacDonald, H (2024, November 12–15).** Parks and reserves: A scoping review of Indigenous peoples' relationships with management and use. [Poster presentation]. 11th Biennial International Indigenous Research Conference, Auckland, New Zealand.

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**Thompson-Fawcett, D. & Quigg, R. (2024, November 12–15).** Planning for Indigenous food practices & food sovereignty in urban spaces. [Paper presentation] 11th Biennial International Indigenous Research Conference, Auckland, New Zealand.

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**Tawera, K. & Thompson-Fawcett, M. (2024, November 12–15).** Re-planning settler-colonial cities – Indigenous kinship, identity, practices. [Paper presentation] 11th Biennial International Indigenous Research Conference, Auckland, New Zealand.

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**Wiremu, F. (2024, 6-8 June).** *Kai [Food] Sovereignty: Adaptive kai systems - from rural to urban spaces and places* Native American and Indigenous Studies Association Thirteenth Annual Meeting, BODØ, Bådådđjo/Buvvda/Bodø – Sábme/Norway. <https://naisa2024.exordo.com/programme/sessions/2024-06-06>

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**McMahon, M., Chisholm, M., Vogels, W., & Modderman, C. (2024).** Aboriginal youth mentoring: a pathway to leadership. *AlterNative: An International Journal of Indigenous Peoples*, 20(3), 388–396. <https://doi.org/10.1177/11771801241250051>

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**Mutu, M., Ashby, W., & Grennell, D. (2024, March 23).** *He Whakaputanga o te Rangatiratanga o Nu Tireni* [Presentation]. Tiriti-Based Futures online conference, Online. <https://www.youtube.com/watch?v=dKukW-BINJE>

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**Sciascia, A., & Thomas, K.-L. (2024, 12-15 November 2024).** *Rangatiratanga in disaster resilience research: Lessons from navigating diverse knowledges and institutions in Aotearoa* 11th Biennial International Indigenous Research Conference 2024, Auckland. <https://www.maramatanga.ac.nz/media/7299/download?inline>

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**Lefthand-Begay, C., Agajanian, T. J., Carbajalt, I. A., La Torre, J. C., LittleSun, C. P., McCarty, M., Rose, J. M., Ruhm, R., Sheban, C., Yamane, C. Y., & Williams, M. (2024).** Prioritizing Indigenous Peoples' knowledge in federal decision-making: insights from faculty, graduate students, and tribal leaders. *AlterNative*, 20(1), 134-145. <https://doi.org/10.1177/11771801241235279> (Original work published 2024)

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Kirikowhai Mikaere is a leading data and information specialist at Te Kāhui Raraunga. She was a keynote speaker at IIRC2024. Photograph: NPM.







Pae  
Auaha

*Living  
Smartly*

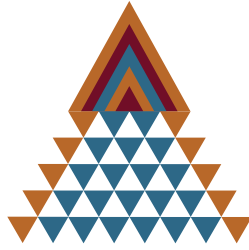


“We want to lead, to innovate and to shape the future. We need data to be relevant and responsive to our decision makers – not the people who just make decisions about us.”

Kirikowhai Mikaere







*Whakaumutia te whakaaro,  
whakaumutia te hangarau, whakaumutia te ao*

Pae Auaha enables research to secure the technological foundations for flourishing Māori futures. Our research supports the creative capacity of Māori to fashion and advance a distinctively Māori vision of how data and technology can support the wellbeing of our people, language, culture and environments. Pae Auaha draws together technologists, social scientists, artists and knowledge-holders to theorise, create and implement solutions that are tika for both people and the planet, and designed with mokopuna in mind.

2024 was a huge year for Pae Auaha. Our targeted call for Matakiteanga projects drew a record number of Pae Auaha applications, with seven new projects funded.

Pae Auaha researchers appeared on Māori and mainstream media, sharing their expertise on a wide range of technology and data issues from Artificial Intelligence to iwi Census data. Pae Auaha lead Associate Professor Te Taka Keegan continued to be a regular commentator on AI and tech company Google recognised the significance of his mahi with a grant to develop protocols for responsible te reo Māori technologies. Incredibly, Peter-Lucas Jones from one of our community partners Te Hiku Media was named in Time Magazine's 2024 list of the 100 most influential people in AI for the work that Te Hiku is doing to preserve te reo Māori. Peter-Lucas was also among the global Indigenous experts that gathered in Tāmaki Makarau for the NPM Indigenous Data Sovereignty Masterclass ahead of IIRC2024.

*Research to grow responsible social,  
economic and environmental relationships*









## *Ngā Tīpako Highlights 2024*

NPM researchers continue to be sought out for their expertise at the interface of mātauranga and tikanga Māori, data and AI.



NPM hosted the sellout Indigenous Data Sovereignty Masterclass in Tāmaki Makaurau.



Pou Pae Auaha Associate Professor Te Taka Keegan received prestigious award from Google.



Pou Matarua Professor Tahu Kukutai joined a livestream panel for the 2023 Census iwi data release.





# Rangahau *Research*

## Kaupapa Mātāmua *Featured Work*

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### **Weaving Māori Hearts In The Digital Wharenui: Nurturing Whakawhanaungatanga Through a Kaupapa Māori Social Media Platform – Tōku Whānau**

**Lead: Dr Moana Rarere** (Rongomaiwahine, Ngāti Kahungunu, Tūhoe, Te Whakatōhea) (UoW).

Social media platforms like Facebook, Insta and TikTok enable whānau to connect, communicate and stay informed. However, they are also off-shore repositories of Big Data that enable content to be used and reused in ways that pose a significant threat to Māori data sovereignty.

One solution towards realising sovereignty over Māori data is to build Māori-governed IT applications. A test version of a Māori social media platform – Tōku Whānau – has been developed by Kirikiriroa-based company Mana Digital as the first step to creating a kaupapa Māori-based social media platform for Māori communities and whānau.

Dr Moana Rarere has teamed up with Mana Digital to help progress the prototype to a fully functioning platform that is grounded in the aspirations of hapori. The research involves working alongside a Māori community, and using wānanga methodology to identify the key elements required to develop Tōku Whānau into a more hapori-facing platform. The findings will directly inform the feasibility elements of the platform for further testing and refinement, with the view to undertaking a public launch of the application.

Moana and the team anticipate that the development of Tōku Whānau will also be an important step towards further safeguarding te reo Māori data in ways that prevent overseas companies from scraping it to train their Large Language Models, as well as understanding the enablers and barriers to advance Māori aspirations in the world of IT and Big Data.



**Dr Moana Rarere.** Photograph: NPM

### **Tohunga Talks: Narratives of Tohunga that Nurture Multiliteracies of Ākongā.**

**Lead: Dr Selena Meiklejohn-Whiu** (Raukawa) (UoA).

The Tohunga Talks project explores the potential of a Te Tai Tokerau centric digital space to support the ongoing development of ākongā (Māori students) in the north. Its specific focus is on how digital narratives of tohunga can be curated to nurture ākongā ‘multiliteracies’ – the ability to use and understand multiple forms of communication and literacy in different contexts. The team is working with kaumātua and tohunga within the community of Hihiaua to collect kōrero tuku iho, mātauranga tuku iho and pūrākau for an educational digital platform. An important aspect of the research is that the Hihiaua community will retain collective ownership and control of the whakapapa narratives and video pūrākau.

### **Laser Beam Scanning Techniques for Unlocking Landscape Narratives**

**Lead: Laise Harris** (Ngāti Kahungunu ki Whakaki, Tūhoe, Ngāpuhi) (Manaaki Whenua).

Light Detection and Ranging (LiDAR) data can be used to make digital 3D representations of the Earth’s surface. Often this is combined with imagery to capture fine-scale mapping of landscapes. Algorithms are employed to distinguish vegetation cover from bare-terrain models, offering hapū and iwi the opportunity to unveil elements in the landscape not discernible through visual imagery alone. This project explores how hapū and iwi can utilise geospatial technologies like LiDAR to identify, connect with and enrich the management of culturally significant sites. It will utilise geospatial modelling of sites combined with whānau and hapū narratives and mātauranga. A key consideration will be ensuring that Raukawa kaimahi and kaitiaki have developed skills to utilise GIS and the LiDAR data and tools.

### **What Is Data Sovereignty in Triangulation With Māori Innovation and Western Intellectual Property Regimes? Of Registries, Reality and Rangatiratanga.**

**Lead: Dr Jesse Pirini** (Ngāti Tūwharetoa, Te Whakatōhea) (VuW).

Current negotiations at the World Intellectual Property Organization (WIPO) propose developing databases of Indigenous knowledge and genetic resources. Patent offices would use these databases to determine if patent applications are truly novel and inventive. Using a case study approach, this project explores the potential opportunities and challenges of the WIPO proposal for mātauranga Māori. The first study focuses on papakāinga as locations where significant innovation is developed, and identifies the nature of the mātauranga and its protection. A second case study examines the potential for a Māori-developed and controlled registry of mātauranga for the Intellectual Property Office of New Zealand to use. The implications of the widespread application of AI to data and digitised genetic resources are also considered.

## Hononga Raraunga: Te Rohe Eke a Turora

**Lead: Dr Robin Quigg** (Raukawa, Ngāti Tamaterā, Ngāti Mōtai, Ngāti Tūkorehe, Ngāti Takaha) (UoO).

Connection to whenua is a core element of hapū identity. The administrative records of the Māori Land Court (MLC) hold important information that link whānau and hapū to whenua but can be difficult for whānau to navigate and make sense of. This project creates a digital data dashboard that links land blocks and sites with tūpuna and hapū names for Ngāti Kirihihi, Ngāti Wehiwehi, Ngāti Mōtai and Ngāti Takaha. The searchable digital database will link the tūpuna, the land blocks they were land owners of, and their karanga for the block. Making MLC data accessible to whānau will enable them to compile their whakapapa back to tūpuna of the 1880s and link to the land blocks where they were land owners.

## Indigenising Movement: Building Tech to Fuel Cultural Vitality Among Rangatahi and Whenua Māori in Aotearoa

**Lead: Dr Sierra Keung** (Ngāti Maniapoto, Ngāi Tāmanuhiri, Rongowhakaata) (AUT).

The aim of this project is to design accessible physical movement and learning experiences that leverage the positive and powerful impact of kapa haka. In Aotearoa there are few opportunities to participate in culturally informed physical movement experiences within the current mainstream sport and active recreation system. Kapa haka offers the ideal environment for overall wellbeing and identity development to be nurtured in ways that embody Māori culture. Dr Keung and team will conduct wānanga with rangatahi, tohunga kapahaka, and creative technology designers to design innovative ways to use technology to teach kapa haka, stories and languages.

## Kauora Ki Te Aro

**Lead: Dr Terina Raureti** (Ngāti Kapu, Ngāti Raukawa ki te Tonga, Ngāti Rangitīhi) (UoO).

This project builds on Dr Raureti's PhD research which develops 'Kauora' as a whānau-centric model for engaging whānau in swimming. With the model now being implemented in Ōtaki, the aim of this project is to create a data sovereignty policy to protect the mātauranga and reo that is collected through research on kaupapa wai (water-related initiatives and activities).

## Kaupapa Kua Porotutuki *Completed Work*

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### Mō Ngā Uri a Muri Ake Nei: Supporting Te Tai o Araiteuru Intergenerational Decision-Making Through Sea-Rise Visualisation

**Lead: Associate Professor Katharina Ruckstuhl** (Kāi Tahu, Rangitāne) (UoO).

### Motiti Marae and Tapuiwahine A12 whenua landblocks: The Unseen – Exploring the Whenua Through Sonic Mapping and Lidar Scanning Technologies

**Lead: Dr Maree Sheehan** (Ngāti Maniapoto, Waikato, Ngāti Tūwharetoa, Ngāti Tahu-Ngāti Whāoa, Ngāti Pākehā) (AUT).



# Whakaaweawe

## *Influencing Transformation*

### Impact and Collaboration

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Established more than 30 years ago by the iwi of the far north, Te Hiku Media has long been a force for the promotion and revitalisation of te reo Māori. In more recent times, the Kaitaia-based organisation has developed its own AI tools, including an automatic speech recognition (ASR) model to work with archival footage and solicited audio clips from Te Tai Tokerau kaumātua. In 2024, the work of Te Hiku made headlines when its chief executive, Peter-Lucas Jones, was named on the TIME100 AI list, recognising the world's 100 most influential people in AI.

Te Hiku's speech-to-text model now transcribes te reo with 92% accuracy, outperforming similar attempts by major international tech companies. Te Hiku's innovative mahi is not only transforming te reo revitalisation in an increasingly digitised world, but also creating broader opportunities at home. As Peter-Lucas told TIME, 'This is about *Mana motuhake*: being in control of one's destiny, and growing an economic future for your people when that has largely been diminished through the process of colonisation.'

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Pou Matarua Professor Tahu Kukutai joined Indigenous data experts from around the world at two international workshops focused on Indigenous data. The first workshop was hosted in Washington DC by the National Geographic Society, one of the world's largest nonprofit scientific and educational organisations. The Society funds a range of science and education programmes including its renowned 'Explorers' programme. The focus of the workshop was to share best practices for Indigenous community engagement and data stewardship. Participants learned about the Society's programmes and initiatives, shared their expertise, and laid down some challenges for the Society.

The second workshop was held by the UN Expert Mechanism on the Rights of Indigenous Peoples (EMRIP) in Chiang Mai, Thailand. The purpose of the workshop was to provide input into EMRIP's study on Indigenous Peoples right to data. EMRIP regularly undertakes studies to help governments, the private sector, civil society and Indigenous Peoples better understand how they can give effect to the United Nations Declaration on the Rights of Indigenous Peoples. Professor Kukutai, who has co-authored ground-breaking books on Indigenous data sovereignty and Indigenous statistics, gave several presentations at the workshop on Māori data sovereignty and data governance initiatives. EMRIP's final report on Indigenous Peoples' right to data will be presented to the Human Rights Council in 2025.

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Associate Professor Te Taka Keegan was a member of the Working Group for the research project 'Academies for Global Innovation and Digital Ethics' (AGIDE) which launched its report *Narratives of Digital Ethics* in 2024. Led by the Austrian Academy of Sciences (OeAW), AGIDE explores the cultural dimensions of digital ethics and global innovation. The report found that there were shared core values (such as 'justice', 'dignity' or 'privacy') across different regions of the world but major differences in prevailing discourses about digital ethics. The report can be downloaded here: [https://www.oeaw.ac.at/fileadmin/project/agide/pdf/AGIDE-Report-2024-Online\\_Version.pdf](https://www.oeaw.ac.at/fileadmin/project/agide/pdf/AGIDE-Report-2024-Online_Version.pdf)





Peter-Lucas at the TIME100 Impact Dinner: Leaders Shaping the Future of AI, in San Francisco. Photograph: Supplied

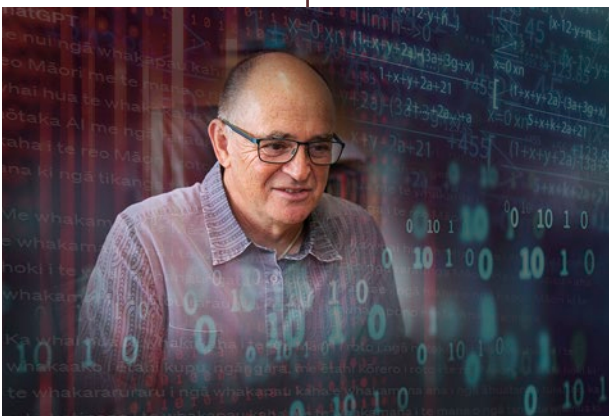


Tahu Kukutai and colleagues posing with the National Geographic Society's iconic yellow rectangle. Photograph: Supplied



Delegates and members of the UN Expert Mechanism on the Rights of Indigenous Peoples at the Indigenous data workshop in Chiang Mai, Thailand. Photograph: Supplied

Associate Professor Te Taka Keegan. Photograph: University of Waikato



The Data Sovereignty Masterclass held in Tāmaki Makaurau. Photograph: NPM



## He Pitopito Kōrero *In The News*

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### Data Sovereignty

Professor Tahu Kukutai and Professor Amanda Black write in *Science* magazine that scientists should rethink how they look after non-human genomic data and point to the benefits of an Indigenous data governance approach. <https://www.teaonews.co.nz/2024/08/03/maori-duo-advocates-for-indigenous-data-sovereignty-in-prestigious-science-journal/>

### 40 Recommendations For NZ Police to do Better

A study led by Dr Paul Brown looks at fair and equitable policing for Māori and other communities. [https://www.thepost.co.nz/nz-news/350384616/understanding-police-delivery-research-finds-40-recommendations-nz-police-do?fbclid=IwY2xjawl\\_kUBleHRuA-2FibQIxMQABHeXetHPjKH3cgbCxDGb3NMaCWD20IMTWd4wIYqyBWNgb1TDyl01cSnLdw\\_aem\\_NYiHeaeQniu4p2uh\\_h1B9A](https://www.thepost.co.nz/nz-news/350384616/understanding-police-delivery-research-finds-40-recommendations-nz-police-do?fbclid=IwY2xjawl_kUBleHRuA-2FibQIxMQABHeXetHPjKH3cgbCxDGb3NMaCWD20IMTWd4wIYqyBWNgb1TDyl01cSnLdw_aem_NYiHeaeQniu4p2uh_h1B9A)

### Police Databases Outdated and Flawed, Stocktake Finds

A study led by Paul Brown found some police databases date from the 1970s, are outdated, siloed and vulnerable to security risk in some cases. <https://www.rnz.co.nz/news/national/526073/police-databases-outdated-and-flawed-stocktake-finds>

### Māori Media Head Named on Time Magazine List

Peter-Lucas Jones of Te Hiku Media is named on TIME100 AI list of 2024 for preserving te reo Māori through AI. <https://www.rnz.co.nz/news/national/528365/te-reo-maori-needs-to-go-digital-to-survive-innovator>

### Teach AI Ethics

Associate Professor Te Taka Keegan says kids are already using AI so they need to be taught the ethics around its use. <https://waateanews.com/2024/09/25/teach-ai-ethics-enhance-education/>

### Te Kāhui Raraunga Census Data

Tahu Kukutai joined a livestream panel for the 2023 Census iwi data release. [https://www.facebook.com/watch/live/?ref=watch\\_permalink&v=1556306431677184](https://www.facebook.com/watch/live/?ref=watch_permalink&v=1556306431677184)

### 2023 Census

Tahu Kukutai discusses iwi data from the 2023 Census and the significant changes to iwi populations. <https://www.rnz.co.nz/news/te-manu-korihi/529115/statistics-reveal-big-changes-to-iwi-populations>

### Government Shares 268,000 NZer's Data With Meta

Te Taka Keegan raises his concerns with *Waatea News* after finding out he was among 268,000 New Zealanders whose data was shared with Meta by Inland Revenue. <https://waateanews.com/2024/11/15/government-shares-268000-nzers-data-with-meta/>



# Ngā Amokapua Rangahau ā Mua

## *Future Research Leaders*

### Te Kupenga o MAI Hui-ā-Tau 2024

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#### **Reconnection with DNA: Policy and Issues with Direct-to-Consumer DNA Testing for Māori Identity and Whakapapa**

**Karen Turanga** (Ngāi Tahu, Ngāti Tūmatauenga) (UoW).

Karen Turanga's master's study at the University of Waikato examines direct-to-consumer (DTC) autosomal DNA testing as a reconnection tool for Māori and its impact on identity and whakapapa. Culture is essential to wellbeing, and Karen says DTC DNA testing can help dismantle barriers for those seeking reconnection when no other options exist. However, the technology carries significant implications for New Zealanders, both positive and negative, making informed understanding crucial. Karen's research seeks to harness the benefits of DTC testing while critically assessing the risks. With personal experience of disconnection due to assimilation policies and their intergenerational effects, Karen's research extends beyond her own whānau search to recognise the shared journeys of others.



**University of Waikato taura Karen Turanga.**  
Photograph: Supplied

# He Hua Kua Puta

## *Selected Outputs*

**Brown, P. T. (2024).** *Assessing factors influencing police prosecution decision-making* (A report for the Understanding Policing Delivery project). NZ Police. <https://www.police.govt.nz/sites/default/files/publications/upd-assessment-factors-influencing-police-prosecution-decision-making.pdf>

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**Brown, P. T. (2024).** *Data SaGA – A stocktake and gaps analysis of NZ Police data ecosystems* (A report for the Understanding Policing Delivery project). NZ Police. <https://www.police.govt.nz/sites/default/files/publications/upd-data-stocktake-gaps-analysis.pdf>

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**Brown, P. T., Wilson, D., West, K., Escott, K.R., Basabas, K., Ritchie, B., Lucas, D., Taia, I., Kusabs, N., & Keegan, T.T. (2024).** Māori algorithmic sovereignty: Ideas, principles, and use. *Data Science Journal*, 23(15), 1–16. <https://doi.org/10.5334/dsj-2024-015>

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**Keegan, T. (2024. July 4).** *Reo Māori generative AI and Māori data sovereignty* [Paper presentation]. University of Basque, Donostia, Spain.

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**Kukutai, T. (2024).** How Indigenous communities in New Zealand are protecting their data. *Science*, 384(6691). <https://doi.org/10.1126/science.ado9298>

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**Kukutai, T., & Black, A. (2024).** CARE-ing for Indigenous non-human genomic data: Rethinking our approach. *Science*, 385(6708). <https://doi.org/10.1126/science.adr2493>

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**Kukutai, T., Riddle, K., Ritchie, B., & Keegan, T. T. (2024, November 12–15).** *Tikanga in Technology: Transforming Data Ecosystems* [Panel]. 11th Biennial International Indigenous Research Conference, Auckland, New Zealand.

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**Sterling, R., Kukutai, T., Chambers, T., & Chen, A. (2024).** A Māori data governance assessment of the NZ Covid Tracer app. *Discover Social Science and Health*, 4, Article 32. <https://doi.org/10.1007/s44155-024-00092-2>

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**Yogarajan, V., Dobbie, G., & Keegan, T. T. (2024).** Debiasing large language models: Research opportunities. *Journal of the Royal Society of New Zealand*, 1–24. <https://doi.org/10.1080/03036758.2024.2398567>

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The background is a solid teal color. It features two large, overlapping diamond shapes. The top diamond is light blue and contains the text 'Ngā Rautaki'. The bottom diamond is a darker blue and contains the text 'Our Strategies'. The diamonds are outlined with multiple thin lines. The background is decorated with vertical borders of dark red triangles pointing downwards, and horizontal borders of dark red triangles pointing to the right. The text is centered within the diamonds.

*Ngā  
Rautaki*

*Our  
Strategies*



## *Ngā Tīpako* *Highlights 2024*

### **Māori doctoral students**

Over 400 Māori post-graduate students supported across 14 sites in Aotearoa



### **MAI Hui-ā-Tau**

We welcomed 130 Māori and Indigenous scholars from Aotearoa, Australia and Hawai'i.



### **Te Ako Rau Mentoring programme**

Completed four rounds with 92 participants representing 40 rōpū across the country.

## **Tūhono Rau Tangata | Mātanga Talks**

960 registrations for 11 online Mātanga Talks from Māori experts on a wide range of topics including climate change, business and innovation, Artificial Intelligence, spirituality and the journey of reconnection to whenua and whakapapa.



## **Tūhono Rau Tangata | Masterclasses**

35 attended our inaugural masterclass with Ahorangi Anne-Marie Jackson on 'Applying for Research Funding: Strategies for Success'.



## **Hui Hihiri**

Hosted Hui Hihiri (online) with 220 participants on Day 1 and 148 participants on Day 2.



## **Te Ako Rau participants at IDSov Masterclass and IIRC**

Supported 13 Te Ako Rau participants to attend the IDSov Masterclass and/or IIRC2024





## Te Kupenga o MAI

Te Kupenga o MAI is Aotearoa New Zealand's national Māori and Indigenous postgraduate doctoral network and programme, shaped by the next generation of highly qualified and skilled early career researchers, prepared to meet the evolving demands of a rapidly advancing world.

Te Kupenga o MAI plays a critical role in growing the Māori research capacity and capability needed to address pressing societal issues, supporting over 400 Māori doctoral students across 14 sites in Aotearoa.

In line with NPM's vision, Te Kupenga o MAI provides comprehensive support to ensure that Māori and Pacific graduates are equipped with the skills and expertise necessary for a wide range of research careers. Emphasising pathways to employment and career development, the programme nurtures students to become leaders and policymakers who can contribute significantly to whānau, communities, iwi and the nation.

International partnerships with institutions such as the University of Queensland, University of Hawaii, University of Melbourne, Macquarie University and Curtin University further enhance the programme's ability to support the development of Māori and Pacific scholars on a global scale. Through these collaborations, Te Kupenga o MAI contributes to achieving equitable rates of Māori and Pacific postgraduate educational success, while striving to increase the number of Māori and Pacific academics within Aotearoa's tertiary institutions, in line with NPM's goal for long-term change and impact.

### *MAI Hui-ā-Tau*

**The MAI Hui-ā-Tau remains a flagship event that continues to grow in popularity, attracting significant interest year after year. The 2024 gathering was hosted by MAI ki Tāmaki at Waipapa Taumata Rau from 7–10 November.**

Led by Abigail McClutchie and her fabulous Whakahaere Rōpū, this year's Hui-ā-Tau brought together 130 Māori and Indigenous postdoctoral scholars from Aotearoa, Australia, and Hawai'i. The event provided a unique opportunity for participants to connect, collaborate and strengthen relationships within the Indigenous research community.



**130 Te Kupenga o MAI scholars gathered at Waipapa Taumata Rau for the Hui-ā-Tau.**

Photograph: Supplied

The theme of Hui-ā-Tau 2024, *Waipapa Taumata Rau – The Place of Many Pinnacles*, reflects the values of excellence, aspiration and hard work. It underscores the importance of new beginnings, connections and the exchange of knowledge – principles central to the event. The name ‘Waipapa’ also ties to the local marae and shoreline, symbolising the gathering place for knowledge and cultural exchange.

Aligned with the NPM IIRC2024 Conference research themes, the event featured a variety of presentation formats: 19 themed kōrero presentations, 30 three-minute kōrero (3MK) presentations, and 19 poster sessions. Attendees also participated in enriching social and cultural activities, including tours of the Auckland Museum and Art Gallery, Media Savvy training, and the popular Pō Whākangahau Gala dinner, rounding off a full and impactful programme that fostered both personal and academic growth.

The 2024 Hui-ā-Tau exemplifies our commitment to supporting student success and retention while ensuring international collaboration and connection among Indigenous scholars.

## *Te Kupenga o MAI Whānau*

### **Te Tai Tokerau**

Coral Wiapo, Rowan Tautari,  
Dr Tania Cliffe-Tautari

### **Tāmaki**

Abigail McClutchie,  
Professor Te Kawehau Hoskins

### **Aronui**

Dr Deborah Heke, Dr Zak Waipara,  
Professor Pare Keiha

### **Wairaka**

Keisha Rawiri,  
Associate Professor Hinekura Smith

### **Waikato**

Reina Daji, Dr Sarah Jane Tiakiwai

### **Te Matau-a-Māui**

Sharron Fabish,  
Professor David Tipene-Leach

### **Wairoa**

Waireti Rostenberg

### **Taranaki Whānui**

Professor Leonie Pihama

### **Manawatū**

Dr Monica Koia, Professor Meihana Durie

### **Pōneke**

Nayte Davis, Dr Mike Ross

### **Waitaha**

Unaiki Melrose

### **Aoraki**

Sheree Jahnke-Waitoa

### **Ōtākou**

Dr Rachel Sizemore

### **Te Wānanga o Aotearoa**

Joni Angeli-Gordon



**Te Kupenga o MAI**  
Māori and Indigenous Scholar Network

## *Celebrating New PhD Research from across the MAI Network*

- Fay, Z. P. (2024).** *He Tōrino Akonga: Transformative Experiences in Kaupapa Māori Education* [PhD, University of Auckland]. Auckland, New Zealand. <https://hdl.handle.net/2292/70036>
- Gillon, A. (2024).** *Hinenuitepō, Nui Te Ao Mana Tinana, Mana Mōmona: A Fat Wāhine Māori Pūrākau of Body Sovereignty* [PhD, University of Auckland]. ResearchSpace@Auckland. <https://hdl.handle.net/2292/70935>
- Hawkins, V. E. K. (2023).** *Generation of a large animal model of Fragile X Syndrome for therapeutic testing* [PhD, University of Auckland]. ResearchSpace@Auckland. <https://hdl.handle.net/2292/67500>
- Kolo, M. E. (2024).** *Te mana o te wahine: Young mothers healthcare experiences in pregnancy, birth, and into motherhood* [Masters Degree, University of Waikato]. Research Commons. <https://hdl.handle.net/10289/16989>
- Moeahu, A. R. (2023).** *Te Kura i Huna : te whakahāngai i ngā pūrākau hei wheako akoranga tino whai hua i ngā kura kaupapa Māori : He tuhinga rangahau hei whakatutuki i ngā tikanga o Te Tohu Kairangi i te Kunenga ki Pūrehuroa, Papaioea, Aotearoa* [PhD, Massey University]. Massey Research Online. <https://mro.massey.ac.nz/handle/10179/71120>
- Murphy, T. (2024).** *Māori Clinical Leadership: Driving Improvement in Māori Health* [PhD, Auckland University of Technology]. Tuwhera Open Access. <http://hdl.handle.net/10292/18390>
- Murray, M. (2024).** *He whiringa aroha: A mokopuna and a pare in the peabody essex museum* [Masters Degree, University of Waikato]. Research Commons. <https://hdl.handle.net/10289/17184>
- Novak, I. (2024).** *Use of high-rate filamentous algal ponds for primary municipal wastewater treatment* [PhD, University of Waikato]. Research Commons. <https://hdl.handle.net/10289/17249>
- Nuku, R. (2023).** *eXceptional and INcluded : tuawāhine in waka ama* [Masters Degree, Massey University]. Massey Research Online. <https://mro.massey.ac.nz/handle/10179/71516>
- Penetito-Hemara, N. A. (2024).** *He Pukenga Pūrākau, Ka Ora te Tamaiti: Pūrākau-based Physical Activity and Hauora Outcomes for Tamariki Māori* [PhD, Auckland University of Technology]. Tuwhera Open Access. <http://hdl.handle.net/10292/17700>
- Roestenburg, M. W. M. (2023).** *Te whakaohooho, te whakarauora mauri : the re-awakening and re-vitalising indigenous 'spirit' of power, healing, goodness and wellbeing : a thesis submitted in partial fulfilment of the requirements for the degree of Doctor of Philosophy in Psychology at Massey University, Palmerston North, New Zealand* [PhD, Massey University]. Massey Research Online. <http://hdl.handle.net/10179/18207>
- Williams, T. (2024).** *Tangohia mai te Taura - Take This Rope: Exploring Māori Documentary-Making Approaches to Elevate Whānau Narratives* [PhD, Auckland University of Technology]. Tuwhera Open Access. <http://hdl.handle.net/10292/17323>



12

*Theses*

2

*Wānanga  
Paetukutuku*

167

*Journal  
Articles*

4

*Books*

354

*Conference  
presentations*

15

*Keynotes*

160

*Multimedia*

5

*Book chapters*

2

*Wānanga*

3

*Symposium*

1

*Webinar*

3

*Research  
Reports*

23

*Kounga  
(professional  
excellence)*

48

*Writing  
Retreats*



## Kanapu

Kanapu offers a bespoke programme that supports Māori researchers, scientists, innovators and knowledge-holders to meet their aspirations and build a vibrant research, science, innovation (RSI) and technology system. Funded by the Ministry of Business, Innovation and Employment, Kanapu is designed to:

- Strengthen connections between Māori researchers, scientists, innovators and knowledge-holders.
- Support Māori scientists, researchers, innovators and knowledge-holders to thrive as Māori by providing opportunities to access the right resources and supports to develop their talent and leadership skills.
- Leverage and develop customised tools and resources to support thriving Māori within and across the RSI and technology system.

### *Hui Hihiri*

Hui Hihiri is a national wānanga that provides an opportunity for Māori across research, science, innovation and technology spaces to gather, connect, share and learn. Hui Hihiri 24 was held virtually over two days with the theme *Hiki Wairua – the power is within us*. Participants were able to hear inspirational kōrero from five keynote speakers (Teina Boasa-Dean, NPM Board member Che Wilson, Tammy Tauroa, Professor Anne-Marie Jackson and Wyndi Tagi), two panels and seven breakout sessions.

Hui Hihiri 24 also saw the launch of He Kura nō Te Ao Atua – recorded careers through Atua knowledge systems. He Kura captures and reflects through an Atua knowledge system the many spaces and places Māori are actively leading and involved in across the sector.

### *Te Ako Rau and Te Ako Rau+*

Te Ako Rau is a free online mentoring programme for grassroots Māori collectives designed to support their rangahau (research), pūtaiao (science), auaha (innovation) or hangarau (technology) initiatives. Te Ako Rau provides an opportunity to learn in a safe space, level up and connect with mātanga (experts). In 2024, Te Ako Rau completed four rounds with 92 participants representing 40 rōpū across the country

Te Ako Rau+ is Kanapu’s ongoing kaupapa support programme for rōpū who successfully complete Te Ako Rau. In 2024, Te Ako Rau+ helped 17 rōpū accelerate their next steps through a suite of offerings including one-on-one sessions with mātanga.

**Website:** <https://kanapu.maori.nz/>

## Ngā Kaikōrero Matua o Hui Hihiri

*Our keynote speakers*



**Teina Boasa Dean**



**Che Wilson**



**Wyndi Tagi**



**Anne-Marie Jackson**



**Tammy Tauroa**

Kanapu Hui Hihiri  
1-2 May 2024



### Te Ako Rau Mentoring Programme



**Lynell Tuffery-Huria**

Tumu Whakahaere |  
Managing Partner, Kāhui  
Legal

- Legal structures
- Intellectual Property
- Rights & Responsibilities



**Hinerangi Edwards**

Director & Co-founder,  
AATEA Solutions

- Vision, clarity and alignment
- Mobilising support



**Ira Wilkinson**

Director, Kākano  
Advisory

- Accounting & Taxes
- Financial compliance
- How to pay yourself



**Vanessa Clark**

Pouhere Kanapu |  
Executive Director,  
Kanapu

- Research, Science and Innovation (RSI) Funding
- Application Writing



**Brenda Smith**

Chief Executive,  
Generosity NZ

- Funding & grant opportunities
- Understanding the funder





## *Tūhono Rau Tangata Mātanga Talks and Masterclasses*

Tūhono Rau Tangata is a free, online programme comprising Mātanga Talks and Masterclasses. In 2024, we hosted 11 Mātanga Talks, from Dr Shaun Awatere, Wayne Mulligan, Associate Professor Te Taka Keegan, Dr Diana Kopua and Papa Mark Kopua, Dr Eruera Tarena, Kirikowhai Mikaere, Dr. Bobby Campbell-Luke, Tina Porou, Karl Wixon, Jade Kake and Professor Waikaremoana Waitoki. We were pleased to have 960 unique registrations over the year and thank our mātanga for their generosity in sharing their personal journeys, expertise and insights with us. We were also thrilled to have Professor Waitoki deliver the first Mātanga Talk in te reo Māori to coincide with te Wiki o Te Reo Māori. A resounding success, Kanapu will continue to bring a bilingual approach to Mātanga Talks.

We extended Tūhono Rau Tangata this year with the addition of online Masterclasses launched with Professor Anne-Marie Jackson of Rehutai Consulting. The Masterclass was practical in focus, providing guidance to 35 participants on successful strategies to apply for research funding. The bar has been set high as we continue this kaupapa in 2025.

*Ahakoā ngā piki me ngā heke o tēnei tau 2024, kia mau tātou ki te whakatauaki  
'Kia whakatōmuri te haere whakamua'.*

Literally 'I walk backwards into my future with my eye fixed on my past' – such that the past is central to and shapes both my present and future reality. Mauriora.

### **Watch here**

Recordings of all Kanapu Kaupapa are available at the Kanapu Vimeo Channel:  
<https://vimeo.com/1020045936>.

### **Learn more**

<https://kanapu.maori.nz/downloads-and-links/>

Opposite page: Top, from left to right: Willy-John Martin (Pou Pūtaiao, MBIE) with Te Ako Rau whānau Lorraine Martin, Henry Murphy, Riripeti Hunia and Vanessa Clark (Pouhere Kanapu) at IIRC2024.  
Below: Te Ako Rau participants with the Kanapu team at IIRC2024. Photographs: Kanapu.





# AlterNative

## *An International Journal of Indigenous Peoples*

*AlterNative* continues to be a leading space for Indigenous research, fostering critical conversations and amplifying Indigenous knowledge. As the flagship international journal for Ngā Pae o te Māramatanga, *AlterNative* remains committed to rigorous scholarship and meaningful engagement with Indigenous communities worldwide.

*AlterNative* continues to publish research that speaks directly to Indigenous issues and global challenges. Highlights from 2024 include the following and can be found here <https://journals.sagepub.com/loi/alna/group/d2020.y2024>

### Most read article in 2024

Cameron R., Bird, M., Naveau-Heyde, D., & Fuller-Thomson, E. (2024). Creating a 'sense of belonging' for Indigenous students: Identifying supports to improve access and success in post-secondary education. *AlterNative* 20(4), 732–740. <https://doi.org/10.1177/11771801241291242>

Indigenous post-secondary students face cumbersome barriers to educational attainment. This article explores those barriers and presents findings from a survey of Indigenous students conducted at Algoma University in Sault St. Marie, Ontario, Canada. For First Nations' students surveyed in 2016 ( $n = 36$ ), funding was identified as a major barrier and, considering that nearly half of students had dependents, finding affordable housing and childcare was a significant challenge. The transition to an urban area from living on-reserve is also difficult for many students. The Anishinaabe Initiatives Division at Algoma University hosted culturally affirming events for Indigenous students. We found this to be an effective tool that universities can use to bolster student resilience and foster a sense of belonging. We also propose that funding on university campuses must increase to support Indigenous students' educational attainment goals.

#### Economy and Law

- Indigenous Australians, genomic information, and the law
- Post-Colonial futures for the Nunatsiavut fishing industry
- Corporate engagement with Aboriginal and Torres Strait Islander Peoples

#### Science and Health

- Development of the PRISM-A tool for Māori chronic pain assessment
- Indigenous women's knowledge in climate change responses
- Farmers' use of Indigenous knowledge in climate adaptation (Sierra Leone)

#### Technology and Digital Spaces

- TikTok as a platform for Indigenous art and storytelling
- Relationality in online Indigenous language learning
- Digital narratives of Melanesian identity



## Looking Ahead to 2025

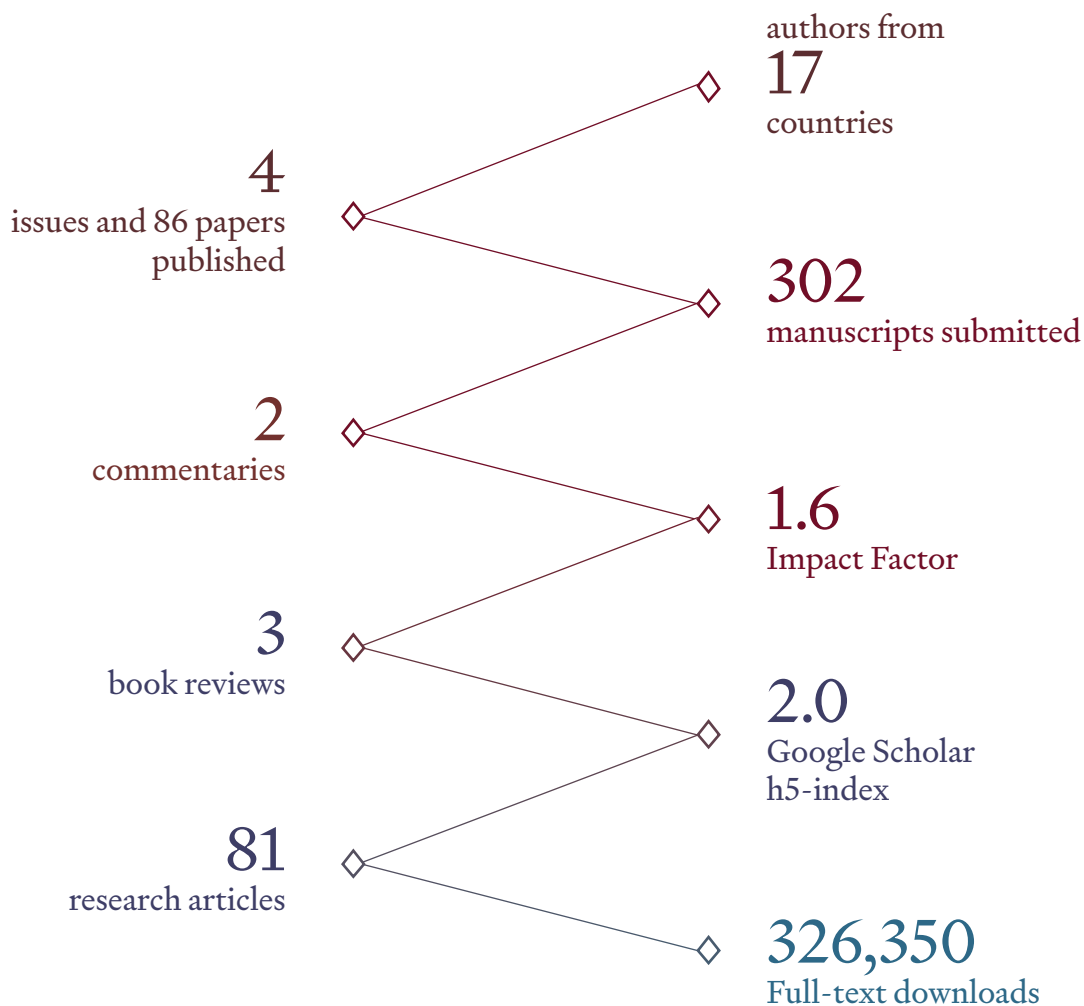
As *AlterNative* approaches its 20th anniversary, the journal remains focused on strengthening Indigenous scholarship and fostering deeper international collaborations. The coming year will be an opportunity to reflect on two decades of publishing and to continue setting the standard for Indigenous-led research.

Thanks to our authors, reviewers and readers for your contributions to another successful year.

**Co-Editors:** Professor Tracey McIntosh (UoA) and Associate Professor Carwyn Jones (Te Wānanga o Raukawa)

**Website:** <https://journals.sagepub.com/home/ALN>

### *Snapshot 2024*





# MAI Journal

## *A New Zealand Journal of Indigenous Scholarship*

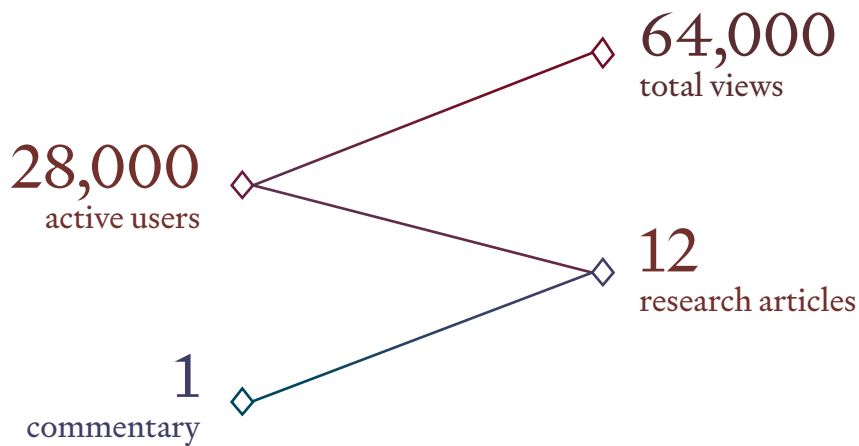
*MAI Journal* stands as a bold and unapologetic platform for Māori and Indigenous scholarship, providing a vital space where mātauranga Māori, Indigenous methodologies and community-driven research flourish. With a multidisciplinary approach, it showcases research that spans health equity, environmental sustainability, education, governance and social transformation, highlighting how Indigenous scholars challenge colonial structures and advance innovative solutions grounded in ancestral wisdom. More than an academic journal, *MAI Journal* fosters a thriving intellectual movement, strengthening knowledge sovereignty and centering Indigenous voices in ways that uphold relationality and responsibility. By enabling scholars to engage with their own epistemologies, it cultivates authentic, impactful research that speaks directly to Indigenous communities and the wider world. As global challenges intensify, *MAI Journal* demonstrates the relevance and power of Indigenous knowledge in shaping contemporary solutions, positioning itself as an essential force in the future of academia and beyond.

‘We are both proud to continue the commitment *MAI Journal* makes to Māori and Pacific Indigenous scholarship. Our contributors respond critically and positively to the challenges and opportunities facing Indigenous peoples. In a context where resourcing for social research and theory is dangerously diminishing, MAI commits to a robust programme of support and publishing for our research communities.’

**Co-Editors:** Professor Te Kawehau Hoskins (Waipapa Taumata Rau) and Dr Vincent Olsen-Reeder (Te Herenga Waka)

**Website:** <https://www.journal.mai.ac.nz/>

### *Snapshot 2024*





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Impact Manager (UoA; from July 2024)



The background of the cover is a solid teal color. Overlaid on this is a large, stylized graphic consisting of two large, mirrored, diamond-shaped patterns. These patterns are formed by multiple parallel lines of small, dark red triangles pointing towards the center. The lines are spaced out, creating a sense of depth and movement. The overall effect is a complex, geometric, and culturally inspired design.

Te Taha Pūtea  
*Financials*

## Ngā Pae o te Māramatanga

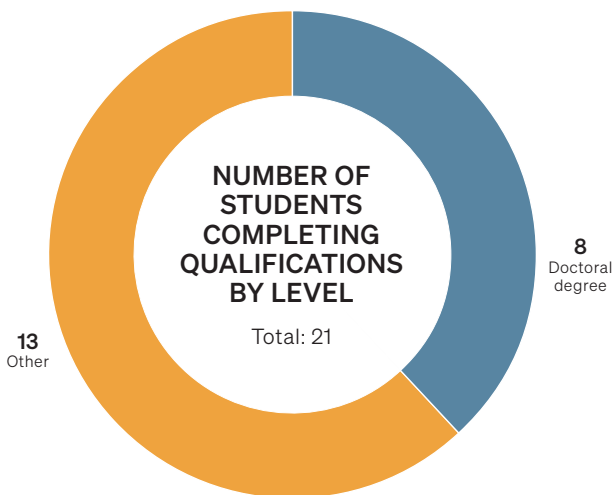
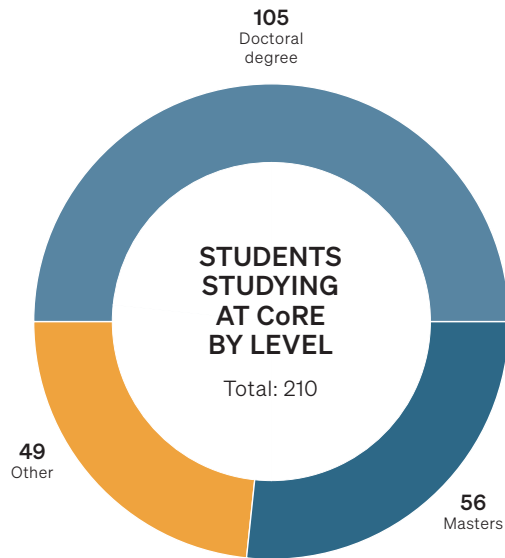
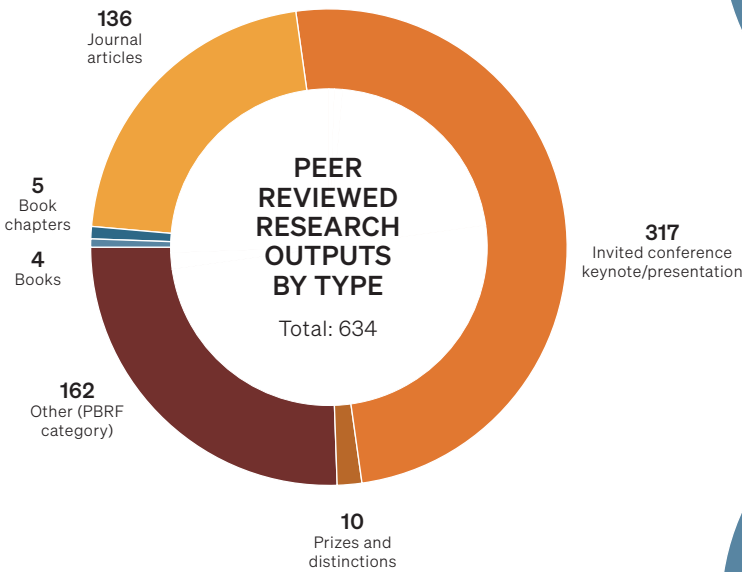
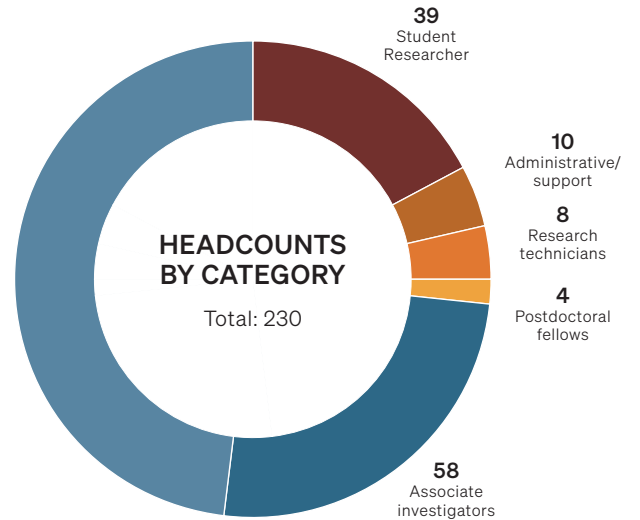
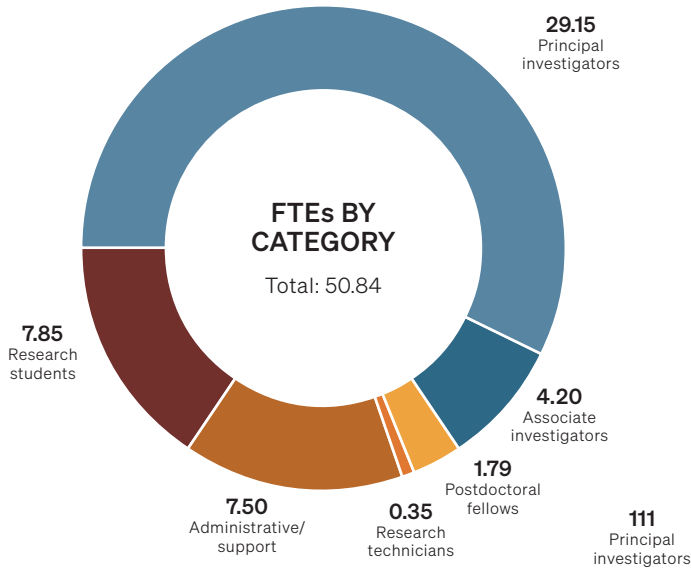
### TEC Financial Report

NPM's 2024 financial statement is presented below as required by Tertiary Education Commission reporting. The financial statement has been prepared and approved by the University of Auckland and NPM Board and verified as an accurate and true set of accounts.

	<b>2024 Actual (\$)</b>
Funding received from TEC	5,000,000
Surplus/Deficit carried forward	4,405,975
<b>Total CoRE funding</b>	<b>9,405,975</b>
<b>Salaries</b>	
Director and Principal Investigators	642,154
Associate Investigators	41,106
Post Doctoral fellows	33,862
Research/Technical assistants	145,511
Others	690,447
<b>Total Salaries &amp; Salary-related costs</b>	<b>1,553,081</b>
<b>Other Costs</b>	
<b>Indirect Costs</b>	
Overheads	1,565,276
<b>Direct Costs</b>	
Project Costs	345,324
Travel	202,260
Postgraduate Students	1,083,478
Subcontractor(s) specified	639,903
Extraordinary Expenditure (specified)	—
<b>Total Other Costs</b>	<b>3,836,242</b>
<b>Total Expenses</b>	<b>5,389,322</b>
<b>Net Surplus/(Deficit)</b>	<b>4,016,653</b>
Other income	1,250,000
Other expenses	750,054
<b>Net Surplus/(Deficit) including Other Income</b>	<b>4,516,599</b>

# Centre Summary 2024

## 1 January to 31 December 2024





# Te Whakapā Mai

## Contact

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*Building the foundations for flourishing Māori futures*



**NPM**