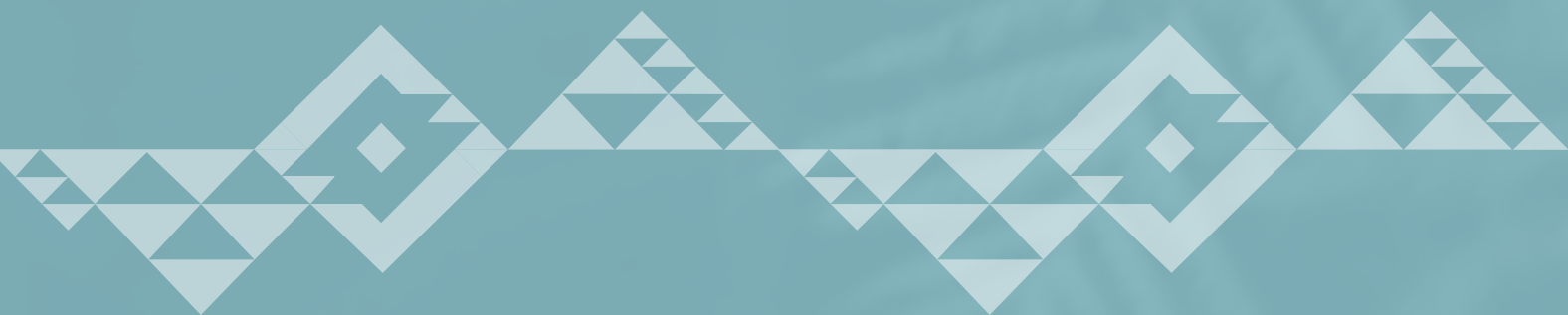

PŪRONGO Ā-TAU

ANNUAL REPORT 2023

Hangaia he tūāpapa kia Puāwai ai Te Ao Māori

Building the foundations for flourishing Māori futures



*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 whaiao, 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 Waipapa Taumata Rau | University of Auckland



MIHI

GREETINGS

Tūtapa, Tūtapa
Tūtapa mai nuku, tūtapa mai rangi
Tūtapa mai runga, tūtapa mai raro
Oī te rūnanga o Tāne kia mau
Oī te pūkenga o Tāne kia kōkiri
Oī whiwhia oī rawea
Tūrou parea!

Kei te kōmata o ngā huatau
Whakamanahau ana i te Ira atua
E tātai rangi tūhāhā, e whakamana taurea āhuatanga

Kei te more o te whatumanawa
Te apa o ngā kauwheke
Nā rātou anō ngā kano rangahau i tō
Tāroia a Tangaroa Raurarahi
E te kāhui hūhunu tāukiuki
Whakataukitia – he ao he ao he Aotearoa!

Ō muri nei ko Ngā Pae o te Māramatanga
E tāwhai rawa i ō kahika tapuwae rangahau
E toha rawa i ō kahika purapura rangahau
Hei tuitui i te wā namata ā mohoa noa nei
Kia mana ai te tiro ā-Māori ki tōna ake ao

Nā konā, poho kererū katoa te tira rangahau nei o NPM
Koia ka huraina te Pūrongo ā-Tau hei haukai ā-kamo
Hei taunaki i ngā kawenga i ngā tīpako momoho o te tau
Tēnā tātou katoa

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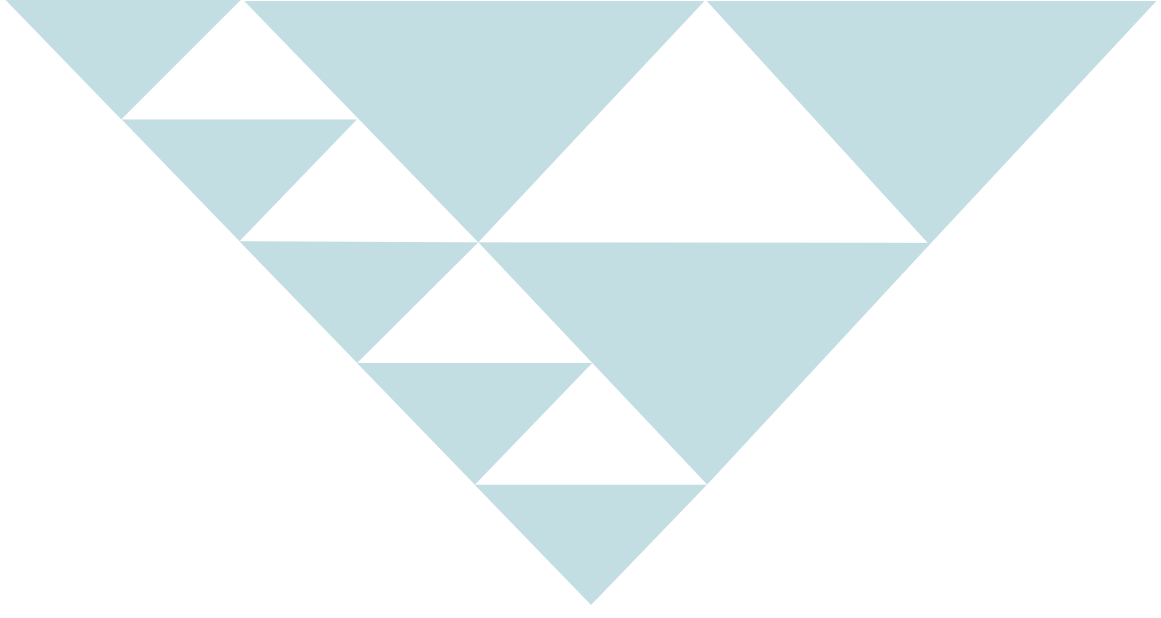
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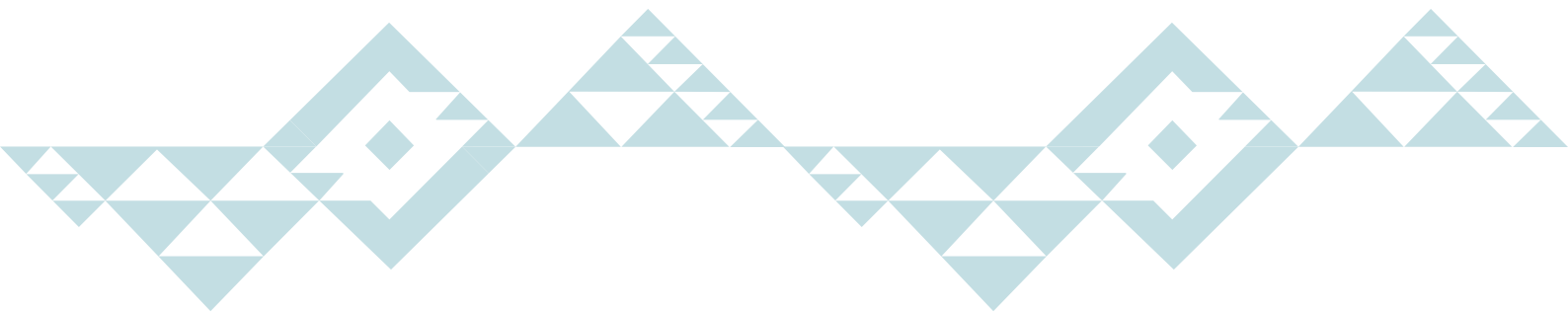
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TE IHO O NPM

ABOUT US



NGĀ 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, our vast network of Māori researchers, communities and partners in transformation define and distinguish Ngā Pae o te Māramatanga as New Zealand's Māori Centre of Research Excellence.

NGĀ MATAKITENGA | OUR VISION

- Cherish and celebrate flourishing Māori futures
- Grow responsible economic and environmental relationships
- Influence positive change for healthy and meaningful Māori lives
- Nurture wise and ethical Māori technological transformations
- Inspire Māori and Indigenous research and excellence
- Connect with partners for impact and transformative change

NGĀ POU KURA | OUR VALUES

Rangatiratanga

We lead with integrity and commitment to our people.

Kaitiakitanga

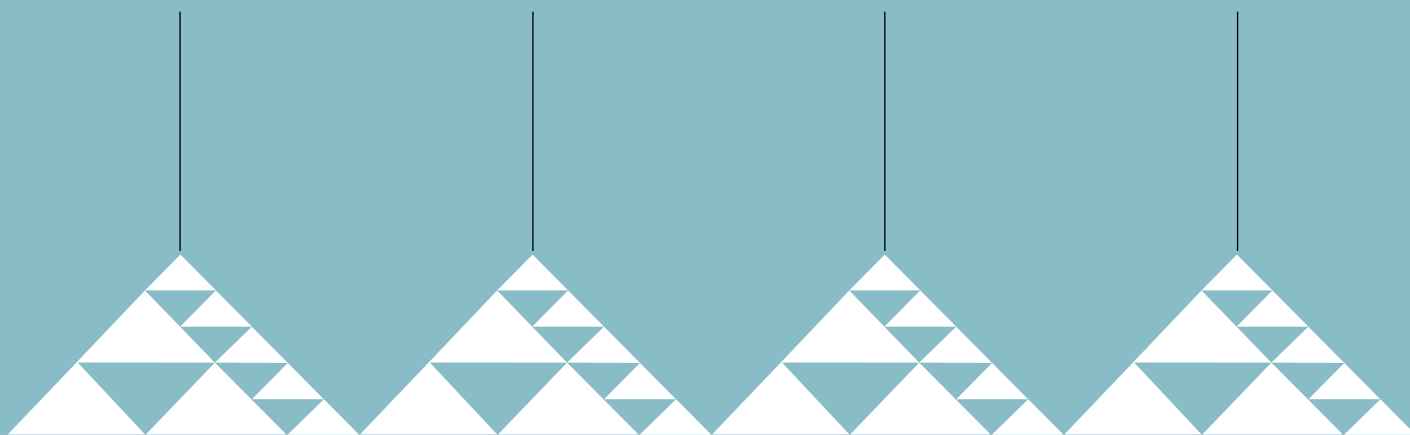
We care responsibly for each other, the planet and future generations.

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 AHUREI – 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.

NGĀ RAUTAKI | OUR STRATEGIES

RAUTAKI KOUNGA – PROFESSIONAL EXCELLENCE

Act to inspire Māori Indigenous research and excellence.

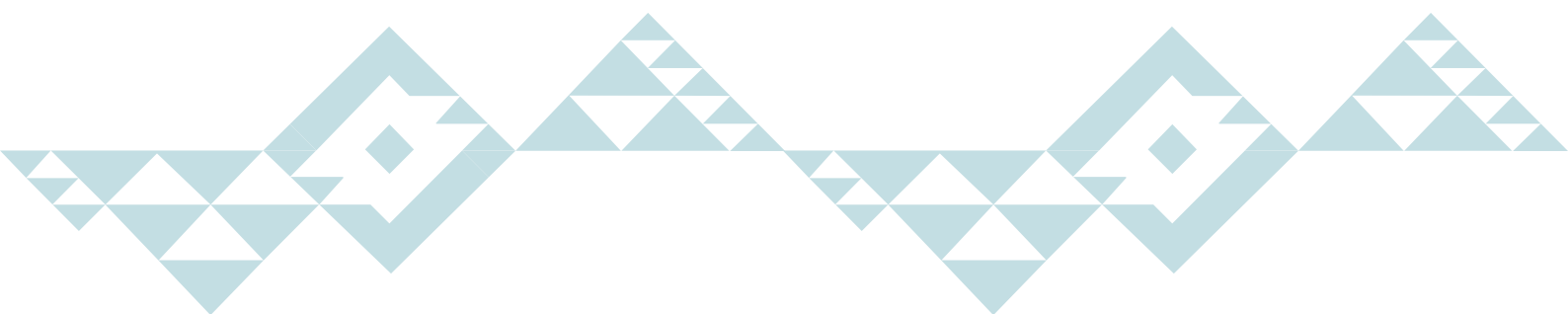
RAUTAKI WHAKAAWEAWE – IMPACT

Connect with partners for impact and transformative change.



TE WHAKATUTUKI I NGĀ WHĀINGA

REALISING OUR GOALS



NGĀ TĪPAKO | HIGHLIGHTS 2023



Ruānuku and inaugural Co-director Linda Tuhiwai Smith awarded the Royal Society | Te Apārangi's highest research honour, the Rutherford Medal.



Our Kanapu platform launched its national online wānanga "Hui Hihiri" celebrating all things Māori across research, science and innovation spaces.



Celebrated 7 new professors.

▶ NPM's inaugural International Indigenous Climate Change Research Summit with **56+** high-end papers and four premiere keynote sessions drew **250+** delegates.

▶ NPM Wānanga Paetukutuku webinars attract more than **1000** registrations.

▶ Onboarded **8** new Matakitega research projects, **14** new NPM Futures PhD scholars and **28** Raumati interns.

▶ More than **11,000** social media followers.



4

In-progress FIRST
programmes.

16

Live Matakītenga
projects.

56

NPM researchers on live
Matakītenga projects.

NPM SN

2

Completed Matakītenga
projects.

8

New Matakītenga projects
in 2023.



66

**Raumati interns
since 2021.**

10

**PhD full scholarships in
2023.**

20

**PhD full scholarships
since 2021.**

APSHOT

28

**Raumati interns
in 2023/2024.**

2

**Postdoctoral
fellows since 2021.**

19

**Māori communities
engaged.**

HE PŪMAHARA NŌ TE TIAMANA FROM THE BOARD CHAIR

*E rere ana te tai o mihi ki te hapori rangahau
Inā he tau tōnui anō kua porotutuki i a NPM
Ahatia, whakarewa ai te tau i te huarere katopō
Taupua pū a Ngā Pae i ngā whaitua kua waipuketia
Mai rānō ko te tino kaupapa o Ngā Pae o te Māramatanga
Kia tautokohia ngā takiwā Māori mā te rangahau nonoi
E whaitake ana ki te ao Māori, nō reira, tēnā koutou katoa*

Welcome to our annual report showcasing an exciting year of research excellence and impact.

After celebrating our 20th anniversary last year, and remembering those who contributed to our longevity and success, 2023 was a time for looking forward.

The year got off to a rough start, with numerous disasters occurring around the motu, including severe flooding in Tāmaki and Cyclone Gabrielle. Several of our communities and marae were hit hard, with devastating impacts on whānau homes and livelihoods. In keeping with our tikanga and shared values, our approach was to respond to the needs and priorities of communities – to meet them where they are at. Once things settled, we worked with the Coastal Peoples: Southern Skies CoRE (Centre of Research Excellence) to support community-led initiatives in Te Tai Tokerau, Tairāwhiti and Heretaunga.

As Aotearoa's only Māori CoRE, we are committed to ensuring that our research has relevance and impact for the communities we serve. Our capacity to do this has been greatly enhanced by our new MBIE-funded initiative Kanapu, which actively supports iwi, hapū and hāpori to realise their own goals for research, science and innovation.

Our long-term vision is the flourishing of our people, places and culture, now and for generations to come. Having laid solid foundations, our challenge is to continue to push the boundaries of knowledge and innovation in ways that are transformational and distinctively Māori.

As we face new and old challenges, our work has never been more relevant, or urgent.

Ngā mihi, Kerensa Johnston
NPM Board Chair



Kerensa Johnston | NPM Board Chair

TE POARI O NPM | THE NPM BOARD

Kerensa Johnston (Chair)

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

Dr Amokura Kawharu

Ngāpuhi, Ngāti Whātua
Law Commission

Professor James Metson

Waipapa Taumata Rau | University of Auckland (UoA)

Erina Watene

Waikato, Ngāti Maniapoto, Ngāi Te Rangi
NZ's Biological Heritage National
Science Challenge

Che Wilson

Ngāti Rangī-Whanganui, Tūwharetoa, Mōkai, Pātea, Ngāti
Apa, Ngā Rauru
Tai-ō-Rongo

Associate Professor Te Kawehau Hoskins

Ngāti Hau, Ngāpuhi
Waipapa Taumata Rau | (UoA)

Professor Pare Keiha

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

Associate Professor Te Manahau (Scotty) Morrison

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



Gathering of NPM executive and board members at 2023 Hui-ā-Tau, hosted by the Te Whare Wānanga o Waikato. From left to right: Linda Waimarie Nikora, Marie-Chanel Berghan, Erina Watene, Te Kawehau Hoskins, Kerensa Johnston (Board Chair), Che Wilson and Tahu Kukutai.

Photo credit: UoW.





HE PŪMAHARA NŌ NGĀ POU MATARUA FROM THE CO-DIRECTORS

Early 2023: disaster struck. Floods and cyclones triggered emergencies, culminating in a national state of emergency for Cyclone Gabrielle. In Te Tairāwhiti, forestry waste worsened the damage. Floodwaters turned the slash into deadly debris, clogging waterways, destroying bridges and ruining land. Ongoing research to support the fight for stricter regulations continues, as do recovery efforts. As during the COVID-19 pandemic years, we are proud of ongoing research contributions made by NPM researchers.

Our national NPM researcher community continued to grow with the addition of eight new Matakiteanga projects in 2023, across our four clusters of excellence or Pae: Pae Ahurei (living uniquely); Pae Ora (living well); Pae Tawhiti (living lightly) and Pae Auaha (living smartly). Projects were progressed and completed, producing a suite of publications, talks and community events. Many of our researchers answered the early morning and late night calls of Māori and mainstream media, sharing their research findings and expertise with professionalism, grace and a good dose of humour. The NPM secretariat kept the momentum going through to the end of the year, hosting two major events in November. The four-day International Indigenous Climate Change Research Summit was an online gathering designed to amplify Indigenous voices, ideas and actionable solutions. The summit drew a diverse audience, including academics, activists, community leaders and policymakers, from as far afield as Finland.

A second major hui was held the same week at Te Kunenga ki Pūrehuroa in Papaioea (Palmerston North). Dr Monica Koia and her MAI ki Manawatū team did a superb job of hosting a fully subscribed Māori and

Indigenous doctoral conference, with participation from MAI networks from around the motu, as well as Indigenous postgraduate students from the University of Hawai'i, University of Queensland and Macquarie University. The meticulous planning, lively discussion and whanaungatanga made it a truly memorable event.

Throughout 2023 we continued to invest in the next generation of Māori scholars and change-makers, onboarding early career researchers involved in Matakiteanga projects, 14 NPM Futures PhD scholars and 28 Raumati interns, including five data sovereignty interns supported by a new partnership with Te Kāhui Raraunga.

We know that nurturing our people is key to realising our vision of flourishing Māori futures and that we will need all hands on board to meet the challenges that lie ahead.

Our fire and resolve have never been stronger.

Nā māua,
Professor Linda Waimarie Nikora FRSNZ
Professor Tahu Kukutai FRSNZ



Linda Waimarie Nikora | FRSNZ

Photo credit: UoW.



Tahu Kukutai | FRSNZ

Photo credit: UoW.



NGĀ RUĀNUKU

OUR WISDOM HOLDERS

FOUNDING NPM CO-DIRECTOR JOINS OUR RUĀNUKU

Distinguished Professor Linda Tuhiwai Smith



Linda Tuhiwai Smith | CNZM, FRSNZ
Photo credit: Supplied.

In 2023, we welcomed acclaimed academic Linda Tuhiwai Smith (Ngāti Awa, Ngāti Porou) to be one of our cherished NPM Ruānuku (Wisdom Holders).

Linda has been part of the NPM whānau since our inception in 2002, serving as an inaugural co-director alongside Professor Michael Walker. In 2021 Linda was the first Māori scholar (and one of only a few New Zealanders) to be elected to the prestigious American Academy of Arts and Sciences. And this year she was awarded the Royal Society | Te Apārangi's [Rutherford Medal](#), their highest research honour.

It is difficult to convey the depth and breadth of the lifetime contribution that Linda has made to NPM, and to Māori and Indigenous research more broadly. Her intellectual leadership has shaped the thinking of generations of scholars, not just in Aotearoa, but in the 100+ countries inhabited by Indigenous peoples. Her seminal work *Decolonizing Methodologies* transformed how Indigenous research is represented, conducted and valued. Linda was integral to reclaiming Indigenous research for Indigenous peoples and spoke truth to power when others were unable to do so.

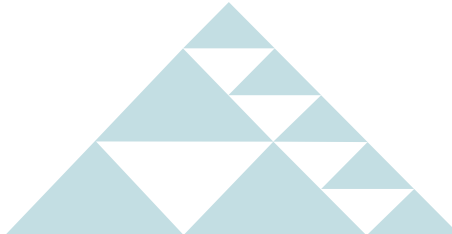
We are proud to have Linda as one of our NPM Ruānuku.

Nau mai, hoki mai e te mareikura!

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 |
Ngāti Raukawa



Adjunct Professor Tā Tīpene O'Regan
ONZ, KNZM, CRSNZ
Ngāi Tahu



Distinguished Professor Linda Tuhiwai Smith
CNZM, FRSNZ
Ngāti Awa | Ngāti Porou



TE TIRA TAKIMANO

ELECTORAL COLLEGE OF PARTNERS

Our NPM electoral college, Te Tira Takimano, held their hui-ā-tau at Te Whare Wānanga o Waikato in May. Representatives from the 21 partner institutes were able to revitalise connections and share their activities, successes and challenges within the research sector. Some of the highlights discussed included the establishment of Te Manawahoukura Rangahau Centre at Te Wānanga o Aotearoa, the research being undertaken by Ngāti Whātua Ōrakei, and the Living Pā at Te Herenga Waka. Common concerns focused on Māori data use, research ethics, collaboration and capability building. Participants were also able to connect with the NPM board and secretariat, sparking impromptu meetings and plans for future collaboration. The hui concluded with a celebratory dinner at the Gallagher Centre and a captivating performance by soul band IA, who blend modern instruments with traditional taonga pūoro.

Dr Rāwiri Tinirau Co-Chair

Te Āti Haunui-ā-Pāpārangī, Ngāti Rangī, Ngāti Tūwharetoa, Ngāti Kahungunu, Tūhoe
Te Atawhai o te Ao

Associate Professor Te Kawehau Hoskins Ngāti Hau, Ngāpuhi Waipapa Taumata Rau (UoA)

Dr Valance Smith Ngāpuhi, Waikato, Ngāti Haina, Ngāti Pākehā Te Wānanga Aronui o Tāmaki Makau Rau (AUT)

Dr Amohia Boulton Ngāti Ranginui, Ngāi te Rangī, Ngāti Pūkenga, Pirirākau, Ngāti Kahu Whakauae Research Services for Māori Health & Development

Dr Hinekura Smith Te Rarawa, Ngāpuhi, Te Ātiawa Te Whare Wānanga o Wairaka (UNITEC)

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



IA, Reti Hedley and Moetu Smith, performed at the Te Tira Takimano hui-ā-tau combining soul music with taonga pūoro.
Photo credit: Kay Buchanan.

Professor David Tipene-Leach MNZM Co-Chair

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

Associate Professor Marama Muru-Lanning Waikato Tainui, Ngāti Maniapoto Waikato-Tainui College for Research and Development

Professor Te Kani Kingi Ngāti Pūkeko, Ngāti Awa, Ngāi Tai Te Whare Wānanga o Awanuiārangī (TWWA)

Distinguished Professor Graham Smith Ngāti Porou, Ngāi Tahu, Ngāti Apa, Ngāti Kahungunu Te Kunenga ki Pūrehuroa (MU)

Rowena Dunn Ngāti Whātua Ngāti Whātua Ōrakei Whai Maia Ltd

Associate Professor Meegan Hall Ngāti Ranginui, Ngāi te Rangī, Ngāti Tūwharetoa Te Herenga Waka | Victoria University of Wellington (VUW)

Professor Kura Paul-Burke

Ngāti Awa, Ngāti Whakahemo

Te Whare Wānanga o Waikato | University of Waikato
(UoW)

Dr Shireen Maged

Te Whare Wānanga o Aotearoa (TWOA)

Professor Shaun Ogilvie

Ngāti Whakahemo, Ngāti Awa, Ngāti Pukeko

Te Whare Wānanga o Waitaha |
University of Canterbury (UoC)

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)

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

Liz Brown

Ngāi Tahu

Tokona Te Raki: Māori Futures Collective

NGĀ PAE O TE MĀRAMATANGA RESEARCH PARTNERS



Te Wānanga
o Aotearoa



LINCOLN
UNIVERSITY
TE WHARE WĀNAKA O AORAKI



University
of Otago
ŌTĀKOU WHAKAIHU WAKA

TOKONA
TE RAKI
Māori Future Makers



Manaaki Whenua
Landcare Research



WAIKATO-TAINUI
COLLEGE FOR RESEARCH AND DEVELOPMENT



VICTORIA UNIVERSITY OF
WELLINGTON
TE HERENGA WAKA



Unitec
Te Whare Wānanga o Wairaka



CAWTHRON



Te Atawhai o Te Ao
Independent Māori Institute for Environment & Health



TE WHARE WĀNANGA O
AWANUIĀRANGI



NGĀTI WHĀTUA ŌRĀKEI



WHAKANUIA TE ANGITŪ

CELEBRATING SUCCESS

NEW ZEALAND HONOURS

DNZM

Professor Dame Farah Rangikoepa Palmer, ONZM
(Ngāti Maniapoto, Waikato)

For services to sport, particularly rugby:

<https://www.dpmc.govt.nz/honours/lists/ny2023dnzm#palmerfa>

ONZM

Ms Beryl Te Haumihiata Mason
(Tūhoe, Te Arawa, Ngāti Pango)

For services to Māori language and education:

<https://www.dpmc.govt.nz/honours/lists/ny2023onzm#masonbe>

Professor Rangīānehu (Rangi) Matamua
(Tūhoe)

For services to Māori astronomy:

<https://www.dpmc.govt.nz/honours/lists/ny2023-onzm#matamuara>

Ms Pānia Christine Papa

(Ngaati Koroki Kahukura, Ngaati Mahuta)

For services to Māori language education and broadcasting:

<https://www.dpmc.govt.nz/honours/lists/ny2023-onzm#papap%C4%81>



Dame Farah Palmer

Photo credit: Government House.

Dr William John Werahiko Edwards

(Taranaki, Ngāruahine, Tāngahoe, Pakakohi, Ngāti Ruanui)

For services to Māori health:

<https://www.dpmc.govt.nz/honours/lists/kb2023-onzm#edwardswi>



Dr Ēnoka Murphy

Photo credit: Supplied.

PRIME MINISTER'S EDUCATOR OF THE YEAR 2023

Dr Ēnoka Murphy

(Ngāti Manawa, Ngāti Ruapani, Mātaatua, Tainui, Te Arawa)

[Te Reo Māori champion announced as 2023 Prime Minister's Educator of the Year.](#)

ROYAL SOCIETY OF NEW ZEALAND | TE APĀRANGI FELLOWS, HONORARY FELLOW AND COMPANION

FELLOWS

Professor Leonie Pihama
(Te Ātiawa, Waikato, Taranaki)

Professor Te Maire Tau
(Ngāi Tahu)

HONORARY FELLOW

Professor Dominic O'Sullivan
(Te Rarawa)

COMPANION

Emeritus Professor Ngahuia te Awekotuku MNZM,
FAWMM, CRSNZ
(Te Arawa, Tūhoe, Ngāpuhi, Waikato)

ROYAL SOCIETY OF NEW ZEALAND | TE APĀRANGI AWARDS

RUTHERFORD MEDAL

Distinguished Professor Linda Tuhiwai Te Rina Smith
(Ngāti Porou, Ngāti Awa)

TE RANGI HĪROA MEDAL

Associate Professor Clive Aspin
(Ngāti Maru, Ngāti Whanaunga, Ngāti Tamaterā)

TE RANGAUNUA HIRANGA MĀORI AWARD

Professor Regan Potangaroa
(Ngāti Kahungunu ki Wairarapa)

TE KŌPŪNUI MĀORI RESEARCH AWARD

Dr Hinekura Smith
(Te Rarawa, Ngāpuhi, Te Ātiawa)

JUDITH BINNEY TRUST | THE JUDITH BINNEY FELLOWSHIPS AND AWARDS

JUDITH BINNEY FELLOW 2023

Associate Professor Linda Te Aho
(Ngaati Koroki Kahukura, Ngaati Mahuta)

THE NEW ZEALAND ASSOCIATION OF SCIENTISTS (NZAS) AWARDS

2023 BEATRICE HILL TINSLEY MEDAL

Professor Tahu Kukutai

(Ngāti Tiipa, Ngāti Māhanga, Ngāti Kinohaku, Te Aupōuri)

2023 CRANWELL MEDAL

Dr Natalie Netzler

(Ngāti Ruanui, Ngāti Hauā)

NEW ZEALAND HEALTH RESEARCH COUNCIL AWARDS

BEAVEN MEDAL

Professor Beverley (Bev) Lawton, ONZM

(Ngāti Porou)

TE TOHU RAPUORA MEDAL

Te Tātai Hauora o Hine

The National Centre for Women's Health Research
Aotearoa including Professor Beverley (Bev) Lawton,
ONZM

NEW PROFESSORS

WAIPAPA TAUMATA RAU

Professor Jemaima Tiatia

(Samoa)

Professor Yvonne Underhill Sem

(Rarotonga)

Professor Tony Trinick

(Te Whānau-ā-Apanui)

TE HERENGA WAKA

Professor Derek Kawiti

(Ngāti Hine, Ngāpuhi, Tūhoe, Ngāti Porou)

Professor Rob Barnett

(Ngāti Raukawa)

Professor Maria Bargh

(Te Arawa, Ngāti Awa)

TE WHARE WĀNANGA O AWANUIĀRANGI

Professor Vaughan Bidois

(Ngāti Ranginui, Ngāi Tai, Whakatōhea, Tūhoe)

PARTNERSHIP AWARDS

NEW HORIZONS FOR WOMEN'S TRUST – NPM WAHINE ORA AWARD

Zena Elliott

(Ngāti Awa, Te Whānau-ā-Apanui, Ngāi Te Rangī, Ngāti Rangitihī)

Irene Farnham

(Ngāti Awa, Tūhoe)

FULBRIGHT AWARDS

Fulbright-NPM Scholar Award

Dr Hinekura Smith

(Te Rarawa, Ngāpuhi, Te Ātiawa)

Fulbright-NPM Graduate Award

Yasmin Olsen

(Ngāpuhi, Te Rarawa, Ngāti Whātua, Ngāti Tiipa)

Fulbright New Zealand General Graduate Award

Bonita Bigham

(Ngāruahine, Te Ātiawa)

Te Maiora Rurehe

(Tūhoe/Te Arawa)

Annie Te One

(Te Ātiawa, Ngāti Mutunga)

MICHAEL AND SUZANNE BORRIN FOUNDATION AWARDS

Borrin Foundation – Ngā Pae o te Māramatanga

Postgraduate Scholarship Awards

Amelia Kendall

(Te Rarawa)

Pita Roycroft

(Ngāti Kahungunu, Ngāti Tūwharetoa, Ngāti Hāmoa – Moata'a)

Borrin Foundation – Ngā Pae o te Māramatanga Legal

Research Internship Awards

Ocean Bartlett

(Ngāti Porou, Ngāpuhi)

Elena Kingham

(Ngāti Tūwharetoa, Ngāti Kahungunu, Ngāti Mutunga, Ngāti Hāua)




Photo credit: Nathan Cowley.



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.

NGĀ HAUMĀTAKATAKA | 2023 EXTREME WEATHER EVENTS

In 2023:

- Gisborne Airport recorded the highest January rainfall since records began in 1937.
- Auckland Airport recorded six times its average January rainfall, making it the wettest month on record for the station since 1962.
- A national state of emergency was declared for only the third time in Aotearoa's history due to Cyclone Gabrielle in March 2023.
- More than 10,000 people were displaced from their homes due to the combined effects of the floods caused by extreme weather and Cyclone Gabrielle.

The series of extreme weather events, including Cyclone Gabrielle, that struck Aotearoa in early 2023 were calamitous, causing widespread devastation, overwhelming communities and shattering lives. The loss of life marks this disaster as a profound tragedy. These events weren't merely disruptive; they were catastrophic blows, leaving physical and emotional scars that will linger for generations. The destruction of homes, marae, heritage sites, taonga, whenua and moana was immense. Whānau, businesses and, in some cases, entire communities were displaced, their sense of place and security brutally shattered.

The socioeconomic impact was amplified in regions like Te Tai Tokerau, Te Tairāwhiti, Heretaunga, Taranaki, Waikato and the Bay of Plenty, where many Māori communities were already struggling. The series of

extreme weather events further compounded existing vulnerabilities, threatening long-term prosperity and widening the systemic gap between those most impacted and those more well-off.

Cyclone Gabrielle and similar extreme weather events serve as a stark reminder of the disproportionate impact climate change has on Indigenous peoples. Climate impacts not only disrupt lives but jeopardise cultural practices and the transmission of mātauranga. This tragedy underscores the global reality: those who have contributed least to climate change are often the first to feel its devastating effects.



Photo credit: Hera Ngata-Gibson



Photo credit: Hera Ngata-Gibson

NGĀ TĪPAKO | HIGHLIGHTS

- NPM researchers returned to their haukāinga to work alongside ahikā whānau.
- NPM joined with Coastal People: Southern Skies CoRE to pool responses and fund community-led research initiatives.
- NPM hosted a high-impact Wānanga Paetukutuku to highlight the needs of whānau in the regions.
- NPM joined with the Royal Society | Te Apārangi, Ngā Ara Whetu and the Faculty of Arts at Waipapa Taumata Rau to deliver the virtual International Indigenous Climate Change Research Summit (IICCRS).
- NPM funded four climate-change-related Matakiteanga projects.
- NPM funded one PhD scholarship and 7 climate-change and environmentally focussed Raumati internships.



Photo credit: Hera Ngata-Gibson

INTERNATIONAL INDIGENOUS CLIMATE CHANGE RESEARCH SUMMIT

The International Indigenous Climate Change Research Summit (IICCRS), held online in November 2023, showcased Indigenous wisdom, evidence and research in addressing climate challenges. Co-chaired by Pou Pae Mauri Dr Shaun Awatere and Pou Matarua Linda Waimarie Nikora, the summit was a showcase of 56+ high-end research papers, four exceptional international keynote sessions and, importantly, critical engagement and discussion sessions with over 250+ delegates, all chaired by senior NPM researchers and leaders. Structured around four themes, the summit highlighted Indigenous leadership, successful initiatives and the disproportionate impact of climate change on Indigenous communities. Diverse research presentations

emphasised inclusive approaches and the need to partner with Indigenous communities for effective and enduring outcomes. Most important were the Indigenous-focused solutions that IICCRS delegates brought to the table, to assist our communities and decision-makers.

Major outputs from the summit included a IICCRS communiqué, the stock of recorded presentations that are being progressively released, a planned special issue of MAI Journal, and a network of connected Indigenous researchers and communities.

► Visit the IICCRS conference website:

<https://www.iiccrs.ac.nz/>

► Watch the IICCRS closing summary and exit trailer:

<https://www.facebook.com/ngapaeotemaramatanga/videos/680209840907063>



International **INDIGENOUS** Climate Change Research Summit

Monday 13th
- Friday 17th
November 2023
(Online)

IICCRS COMMUNIQUÉ

The IICCRS communiqué asserts the urgency of the climate crisis and the pivotal role of Indigenous knowledge, wisdom and actions in crafting effective solutions. We implore world leaders and stakeholders to heed these recommendations and act decisively. The survival of planetary ecosystems, diverse cultures and future generations hinges on our collective commitment to combating climate change and promoting environmental equity. United, our actions today will determine the course of tomorrow.

► Read more

<https://www.maramatanga.co.nz/project/international-indigenous-climate-change-summit-communique>



IICCRS keynote presenter Professor Kyle Powys Whyte, citizen Potawatomi Nation, US Science Envoy.

▶ Watch here

<https://www.maramatanga.ac.nz/node/2076>



Professor Linda Nikora (left) talked with Skolt Sámi theatre director, artist, nature guardian and IICCRS keynote presenter Pauliina Feodoroff.

▶ Watch here

<https://www.maramatanga.ac.nz/node/2077>



Shaun Awatere and keynote presenter Mike Smith who represented people at the coalface of environmental activism.



IICCRS keynote panel on Pacific climate change (im)mobilities led by Professor Underhill-Sem, (from the Cook Islands), with Dr Roannie Ng Shiu (from Samoa) and Dr Tina Newport (from the Cook Islands) and also working alongside colleagues in Papua New Guinea, Solomon Islands, Kiribati, Tuvalu, Cook Islands, Niue and Tokelau.

▶ Watch here

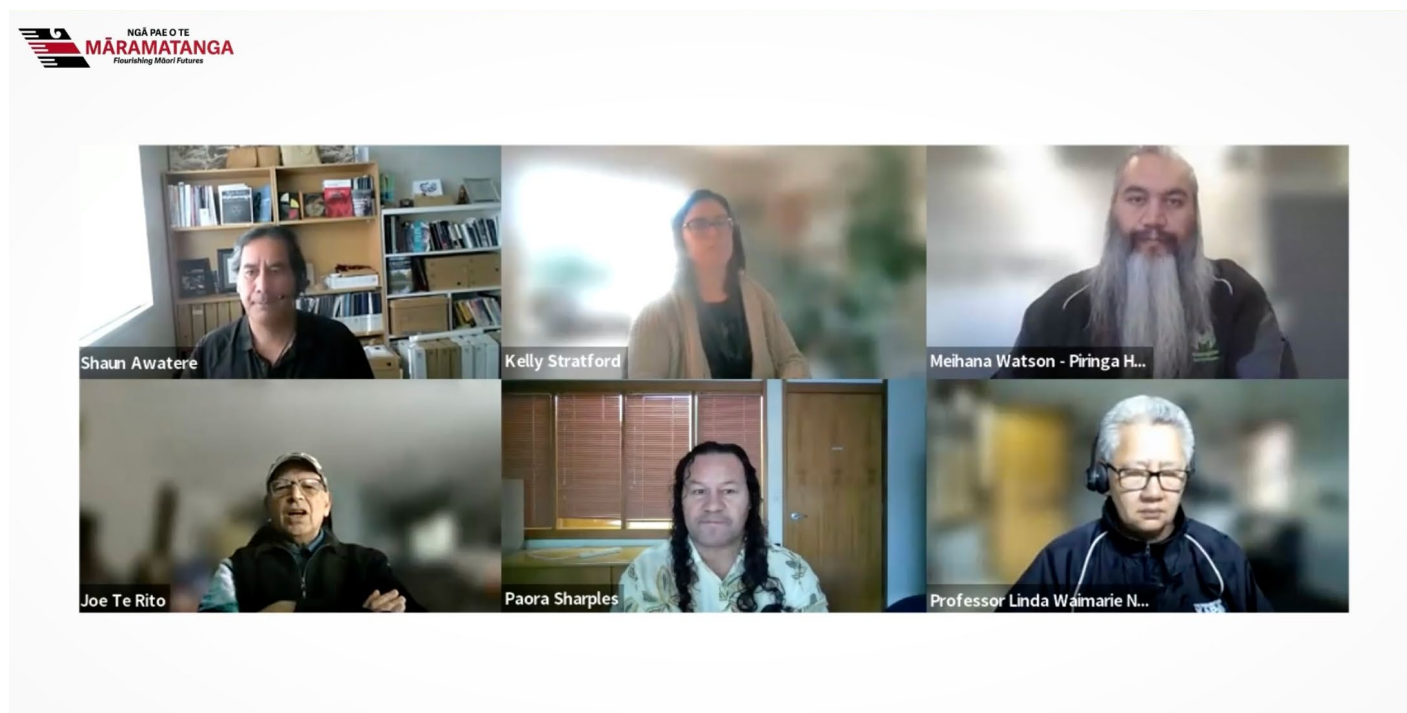
<https://www.maramatanga.ac.nz/node/2078>

WHAT DO REGIONAL COMMUNITIES MOST NEED AFTER RECENT EXTREME WEATHER EVENTS?

NPM swiftly responded to haukāinga communities affected by Cyclone Gabrielle. Collaborating with the Coastal Peoples: Southern Skies CoRE, we mobilised resources and reached out to our community networks for research initiatives to support recovery efforts. We take pride in our prompt action and collaboration with community-led teams in Te Tai Tokerau, Te Tairāwhiti and Heretaunga, focusing on issues they deem important.

Seeking to prioritise community voices over government agencies, our response included amplifying the

perspectives of those in impacted regions. We wanted to give voice to community leaders and create a space for researchers to understand the kinds of research that is necessary to aid affected communities in their recovery efforts. During an impactful Wānanga Paetukutuku, Dr Joe Te Rito (Omahu), Meihana Watson (Omahu), Hera Ngata-Gibson (Uawa), Willie Te Aho (Te Aitanga-a-Mahaki) and Kelly Stratford (Northland City Council), with Dr Shaun Awatere, engaged in a discussion with more than 500 online participants from various sectors of local and central government and affected areas.

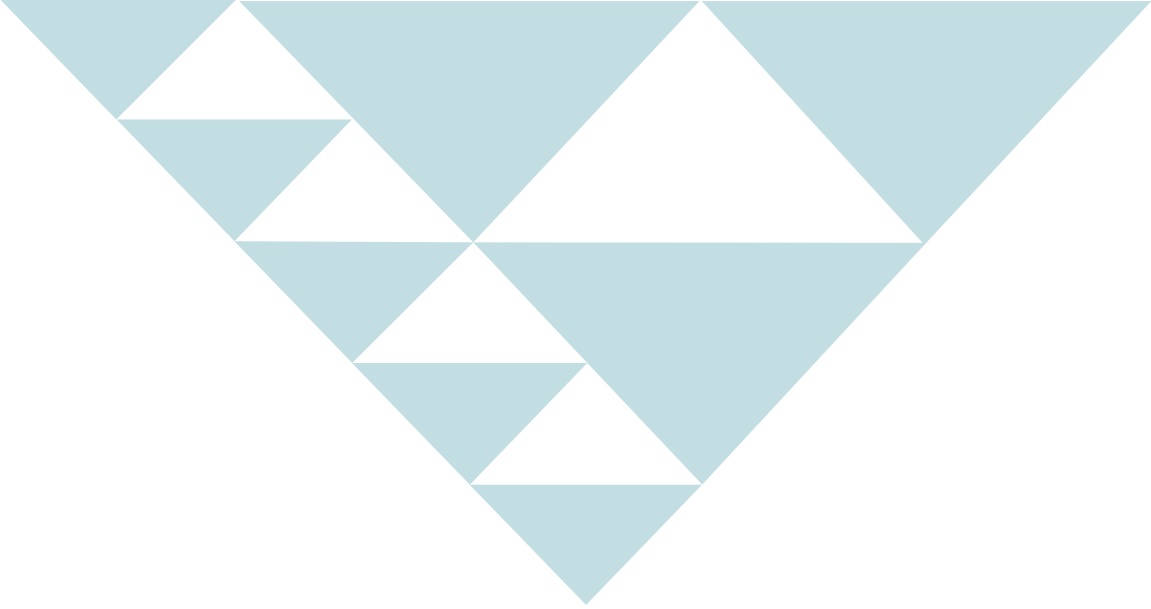


► Watch here

<https://www.maramatanga.ac.nz/node/2028>

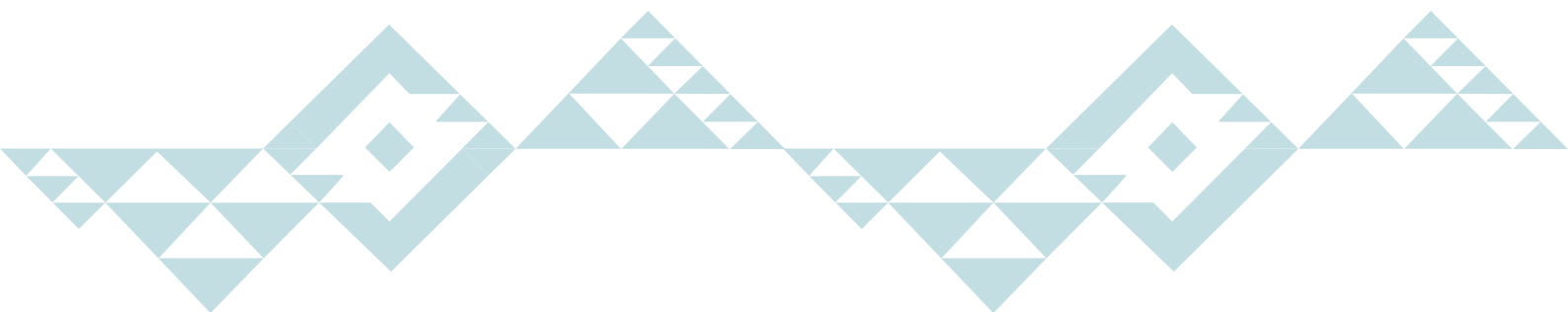
HE HUA KUA PUTA | SELECTED OUTPUTS

- Awatere, S., Harmsworth, G., Harcourt, N., Taura, Y., Taylor, L., Wilcox, M., & Hyslop, J. (2023). Whakamana te tangata-ka whai oranga te taiao: Indigenous led approaches for catchment health in Aotearoa-New Zealand. *PLOS Water*, 2(12), e0000170. <https://doi.org/10.1371/journal.pwat.000017>
- Harrington, L. J., Dean, S. M., Awatere, S., Rosier, S., Queen, L., Gibson, P. B., Barnes, C., Zachariah, M., Philip, S., Kew, S., Koren, G., Pinto, I., Grieco, M., Vahlberg, M., Snigh, R., Heinrich, D., Thalheimer, L., Li, S., Stone, D., Yang, W., Vecchi, G., Frame, D. J., & Otto, F. E. L. (2023). *The role of climate change in extreme rainfall associated with Cyclone Gabrielle over Aotearoa New Zealand's East Coast*. Grantham Institute. <https://hdl.handle.net/10289/15945>
- Lawrence, J., Wreford, A., Blackett, P., Hall, D., Woodward, A., Awatere, S., Lvingston, M. E., Macinnis-Ng, C., Walker, S., Fountain, J., Costello, M. J., Ausseil, A-G. E., Watt, M. S., Dean, S. M., Craddock-Henry, N. A., Zammit, C., & Milfont, T. L. (2023). Climate change adaptation through an integrative lens in Aotearoa New Zealand. *Journal of the Royal Society of New Zealand*, 54(4) 1–32. <https://doi.org/10.1080/03036758.2023.2236033>
- Nikora, L. W. (5 October 2023). *Climate action – How should the MWWL care and protect Papatūānuku?* [Keynote address]. Maori Women's Welfare League 69th Annual Conference, Rotorua. <https://www.mwwl.org.nz/conference-2023>



PAE AHUREI

LIVING UNIQUELY



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.

The research showcased here highlights the profound impact of Māori scholarship across multiple domains and our growing team of researchers, from associate professors through to student interns. From the innovative exploration of Māori streets (new in 2023) to the nuanced examination and renewal of Ngaati Koroki Kahukura communities (completed 2023), each research activity underscores the important contribution that our researchers make to ensure the future flourishing of our people.

NGĀ TĪPAKO | HIGHLIGHTS 2023



Pou Whakaaweawe Professor Melinda Webber and PhD student Te Kapua O'Connor made the 2023 Ockham New Zealand Book Awards shortlist and won the Best Non-Illustrated Book at the PANZ Book Design Awards.



NPM welcomed new Pae Ahurei leader Dr Awanui Te Huia.

▶ **1** new Matakiteanga project funded.

▶ Onboarded **6** new PhD scholars and **6** new Raumati interns.

▶ Ruānuku Emeritus Professor Ngāhuia Te Awekōtuku made a Companion of the Royal Society of New Zealand | Te Apārangi, Associate Professor Linda Te Aho named Judith Binney Fellow, and Dr Ēnoka Murphy named Prime Minister's Educator of the Year.





3

**Live Matakītenga
projects.**

16

**NPM researchers on live
Matakītenga projects.**

PAE AHUREI

1

**Completed Matakītenga
projects.**

2

**New Matakītenga projects
in 2023.**

5

**PhD full scholarships
since 2021.**



2

**PhD support scholarships
since 2021.**

3

**PhD full scholarships in
2023.**

14

**Raumati interns s
ince 2021.**

SNAPSHOT

6

**Raumati interns in
2023/2024.**

2

**Postdoctoral fellows
since 2021.**

3

**Māori communities
engaged.**

NEWLY APPOINTED POU PAE AHUREI

NPM is delighted to welcome Dr Awanui Te Huia (Ngāti Maniapoto) to the role of Pou Pae Ahurei. Awanui has been deeply involved with Te Kawa a Māui at Te Herenga Waka since 2011, providing significant support and leadership to its Māori language programme. With a PhD in Psychology, her research interests include te reo Māori, identity formation, ancestral language learning, cultural wellbeing, biculturalism and anti-racism. Awanui often appears on mainstream and Māori news channels as an expert commentator. Her contribution resonates deeply within the academic community and beyond, as she continues to champion the revitalisation and empowerment of te reo Māori. You can read more about her research and engagement here:

<https://people.wgtn.ac.nz/awanui.tehuia/professional>

► Read more

Te Huia, A. (4 June 2023). Did Chris Luxon tell me, or the bowling club, his real feelings about te reo?

E-Tangata. <https://e-tangata.co.nz/comment-and-analysis/did-chris-luxon-tell-me-or-the-bowling-club-his-real-feelings-about-te-reo/>

Te Huia, A. (2023). The interlocking of history, identity, and te reo Māori: Language revitalisation in a colonial context. In Z. Rocha & K. Davidson (Eds.), *Applied and clinical sociology in Aotearoa New Zealand* (pp. 37–55). Springer International Publishing. https://link.springer.com/chapter/10.1007/978-3-031-36581-2_3



Awanui Te Huia

NGAATI KOROKI KAHUKURA

RESTORING MANA WHENUA PERSPECTIVES TO OUR HISTORY

Lead: Associate Professor Linda Te Aho (Ngaati Koroki Kahukura, Ngaati Mahuta, Waikato) (UoW), with Rahui Papa (Ngaati Koroki Kahukura, Ngaati Mahuta), Karaitiana Tamatea (Ngaati Koroki Kahukura, Waikato, Te Aitanga a Māhaki) and Hinerangi Kara (Ngaati Koroki Kahukura, Waikato).

NPM was delighted to support Associate Professor Linda Te Aho to progress her important work with Ngaati Koroki Kahukura. With the aid of a Matakiteinga grant (2022–2023), Linda set out to give voice to her iwi and hapū. Her vision was to share her tūpuna stories and knowledge and to explain the politics of how her iwi name, Ngaati Koroki Kahukura, came to be. Linda sought to highlight the triumphs and heroic deeds of her tūpuna as a force to strengthen community and enlighten and inspire rangatahi. Her co-editing of Ngaa Kete Kaupapa, published in 2022, focuses on the oral history of Ngaati

Koroki Kahukura and underscores the importance of preserving and revitalising te reo Māori and tikanga, and serves as a tikanga resource for her iwi. It is immediately useful to whānau, and opens the window to a diverse and complex world that has been largely invisible in the region's histories. Linda's work seeks to change that positioning. In a guest article she prepared for The Spinoff, she wrote:

The presence of our ancestors is still visible in our names, and in the borrow pits, the soils, and pā sites on our landscapes. For this visibility to not only continue, but strengthen, it is important for mana whenua to tell our own stories. Our stories reflect natural, cultural, and historic heritage. They inspire us all to take notice of the past, take care of the present and prepare for a more vibrant, shared future.



Linda Te Aho – championing Ngaati Koroki Kahukura and the revitalisation of whakapapa, reo, tikanga and maatauranga.

Photo credit: The Spinoff.

► Read more about Linda Te Aho's research

Te Aho, L., & Papa, P. (Eds.). (2022). *Nga kete kaupapa*. Ngaati Koroki Kahukura.

Te Aho, L. (2023, May 26). Ko Kemureti Tooku Oko Horoi – Our stories of Cambridge. Cambridge History Talk series in partnership with U3A, Cambridge, New Zealand. Cambridge Te Oko Horoi History Talk Series – Cambridge Museum.

Te Aho, L. (2023, November 9). *A more balanced record: Restoring mana whenua perspectives to our history*. The Spinoff. [A more balanced record: Restoring mana whenua perspectives to our history. The Spinoff.](#)

► Watch here

Learn more about how Ngaati Koroki Kahukura rediscovered an ancient birthing place – he whare maarama – and how they worked with local developers and councils to put in place protective mechanisms to ensure the enjoyment and connectedness of future generations. https://drive.google.com/file/d/1od6pL3Nve_0CVxR_jWkkaUAPcsW1qU2H/view?usp=drive_link.

KA HIKA I TŌNA AHI, KIMIHI A TE IWI

PHD SCHOLAR: TE KAPUA O'CONNOR

(NGĀTI KURĪ, POHŪTIARE) (UOA)

SUPERVISOR: TIOPIRA MCDOWELL (UOA)

Te Kapua O'Connor (NPM PhD scholarship recipient 2022) has extensively investigated the tikanga of ahikā, with a specific focus on the practical use of fires that defined ancestral lands. His PhD study is a nuanced exploration of how fires served various purposes including providing warmth, illumination, cooking kai and communication.

Prior to undertaking his PhD, Te Kapua was a researcher on a Marsden-funded project led by NPM Pou Whakaaweawe Professor Melinda Webber. The research explored the unique identity characteristics of Te Tai Tokerau tūpuna. Te Kapua's involvement in the project led to two co-authored books with Melinda: *A fire in the belly of Hineāmaru: A collection of narratives about Te Tai Tokerau tūpuna and Ka Ngangana Tonu a Hineāmaru: He kōrero tuku iho nō Te Tai Tokerau*. Published by Auckland University Press, the books feature

24 narratives of Māori ancestors spanning from Te Hiku in the far north to Tāmaki Makaurau, with te reo Māori translations by Quinton Hita and stunning cover art by Shane Cotton. The books made the 2023 Ockham New Zealand Book Awards shortlist, and won Best Non-Illustrated Book at the PANZ Book Design Awards. *Hineāmaru* celebrates the unbroken connection to histories, lands and esteemed ancestors, something which is a running theme through Te Kapua's PhD. With many weekends spent returning to the North for hui and wānanga, completing *Hineamaru* alongside his doctoral studies kept Te Kapua occupied and productive. As he pens the closing sections of his PhD, he begins teaching at Te Wānanga o Waipapa, The School of Māori Studies and Pacific Studies at Waipapa Taumata Rau.

E hoa, nau mai, piki mai ki Waipapa Taumata Rau!

► Read more

Evans, J. (2022, October 31). *Te Kapua O'Connor inspired by Māori ancestors*. Auckland University News. <https://www.auckland.ac.nz/en/news/2022/10/31/ingenio-tekapua-oconnor-book.html>

O'Connor, T. (2023, April 30). *What I'm reading: Te Kapua O'Connor*. The Post. <https://www.thepost.co.nz/a/culture/350005597/what-i-m-reading-te-kapua-o-connor>

Webber, M. & O'Connor, K. (2022a). *A fire in the belly of Hineāmaru: A collection of narratives about Te Tai Tokerau tūpuna*. Auckland University Press.

Webber, M. & O'Connor, K. (2022b). *Ka ngangana tonu a Hineāmaru – He kōrero tuku iho nō Te Tai Tokerau*. Auckland University Press.



One of the many evenings spent engaging in wānanga on Rarawa Beach, Te Tai Tokerau. Fireside wānanga was one of the primary methods used for Te Kapua's PhD.
Photo credit: Theo Thibaudat.

WHAKAAWEAWE | INFLUENCING TRANSFORMATION

WĀNANGA PAETUKUTUKU

ARE POST-SETTLEMENT GOVERNANCE ENTITIES MEETING OUR NEEDS?

The design and management of Post-Settlement Governance Entities (PSGEs) was the topic of a lively NPM Wānanga Paetukutuku webinar given by Miriama Cribb (Te Ātihaunui-ā-Pāpārangī, Ngāti Pikiao, Ngāti Porou, Ngāti Tama) and Professor Jason Mika (Tūhoe, Ngāti Awa, Whakatōhea, Ngāti Kahungunu). An outcome of Te Tiriti o Waitangi settlement process, the role of PSGEs is to hold and manage the collective assets received on behalf of claimant groups, most often represented by iwi. In reality, many PSGEs serve much wider social, cultural and environmental purposes. In their research, published in MAI Journal, Miriama and Jason were keen to understand the factors that influence the design and operation of PSGEs. They concluded that the challenges PSGEs tend to encounter are not a result of their design, but rather their management. Chaired by Professor Margaret Mutu, the webinar attracted more than 200 registrations and a highly engaged audience.

► **Watch here**

<https://www.maramatanga.ac.nz/node/2065>



Miriama is completing a PhD in Management at Te Kunenga ki Pūrehuroa. Her study examines the implementation of Indigenous frameworks in non-Indigenous organisations, using Te Awa Tupua as a case study. She works part time as a researcher at Te Atawhai o Te Ao Research Institute in Whanganui.

Photo credit: Supplied.

IN THE NEWS

PROFOUND VALUE IN MĀTAURANGA MĀORI:

MELINDA WEBBER

Waipapa Taumata Rau Professor Melinda Webber on the power of mātauranga for educational practice in Aotearoa.

<https://www.nzherald.co.nz/kahu/the-power-and-potential-of-matauranga-maori-in-education/NETWMNB15FHTLJCBKR75ZGWWDA/>

A MORE MĀORI LIFE: TE KAWEHAU HOSKINS

NPM Board member and Pro-Vice Chancellor (Māori) Te Kawehau Hoskins on her life, academic journey and being in a position to help ensure Māori priorities aren't neglected.

<https://e-tangata.co.nz/korero/te-kawehau-hoskins-a-more-maori-life-at-university/>

TE MATATINI: PAORA SHARPLES

Haka expert Paora Sharples on Te Matatini and how it is a vehicle for Māori excellence.

<https://www.nzherald.co.nz/kahu/te-matatini-haka-expert-and-kaupapa-maori-researcher-paora-sharples/G267QAH7AFGZJBURDG3GM3R3LY/>

“NEVER GIVE UP, GIRL”: EMERITUS PROFESSOR NGAHUIA TE AWEKOTUKU

Ngahuia Te Awekotuku on her life and “boundary-breaking work” in the humanities.

<https://e-tangata.co.nz/korero/ngahuia-te-awekotuku-never-give-up-girl/>

HE WHAI AUAHA ANŌ | MORE NEW WORK

NGĀ HUARAHI MĀORI MĀORI STREETS

Lead: Dr Rebecca Kiddle (Ngāti Porou, Ngāpuhi) (TWoA), with Dr Morehu McDonald (Ngāti Hinerangi, Ngāti Mahuta, Ngāti Ngutu, Ngāti Maniapoto, Ngāti Hauā, Waikato-Tainui, Ngāti Ruanui) (TWoA), Dr Marjorie Lipsham (Waikato-Maniapoto, Ngāti Rereahu, Ngāti Raukawa ki Wharepūhanga) (TWoA) and Dr Kimiora Raerino (Ngāti Awa, Ngāti Rangiwewehi) (Pūrākau Media).



Transportation and street design discussions are currently at the forefront of both government (central and local) and academic circles in Aotearoa. Led by Dr Rebecca Kiddle, this new Matakiteanga project focuses on Māori aspirations in street designs and asks the question: “What does a Māori street look and feel like?” Rebecca is well-placed to lead this research, having been actively involved in evaluating a new street design guide developed by Waka Kotahi | NZ Transport Agency. She has also been involved with two central government advisory groups, one focusing on Māori engagement with infrastructure, including transport, and another developing a national strategy on vehicle kilometres travelled (VKT) reduction.

Interest in street design stems from various concerns, including climate change mitigation, the promotion of alternative modes of transportation, meaningful engagement with Māori communities, and the enhancement of co-benefits such as physical and mental health. This project will draw insights from historical settlement patterns, engage in co-design sessions with Māori communities across the country, and articulate a clear vision for Māori streets to serve as catalysts for whānau transformation.

WELCOMING NEW PHD SCHOLARS

HE RAU RANGATIRA, HE RAU MANUKURA: MANUKURA: A MĀORI MODEL OF EDUCATION

Keita Durie (Ngāti Kauwhata, Rangitāne, Ngāi Te Rangi) (MU).

Supervisor: Huia Tomlins-Jahnke (MU).

TOWARDS DEVELOPING A MĀORI THEORY OF FRAGMENTATION

Symon Palmer (Ngāi Te Rangi) (UoC).

Supervisor: Carl Te Hira Lewis Mika (UoC).

MĀORI ADAPTATION THEORY AND PRACTICE: ORAL TRADITIONS, LITERATURE AND CINEMA

Briar Meads (Ngāi Tahu, Kāti Mamoe, Waitaha) (UoA).

Supervisor: Deborah Walker-Morrison (UoA).

“KEI WHEA RĀ HE ORANGA MŌ TAKU IWI E”: A CRITICAL BIOGRAPHY OF TUAIWA HAUTAI RICKARD

Hineitimoana Greensill (Tainui, Ngāti Koata, Ngāti Porou) (UoA).

Supervisor: Aroha Harris (UoA).

KIA RERE TE HEKATAI KEI RUNGA KIA PANONITIA TE REHUTAI | TRACING THE SPIRALS OF MAURI, WAIRUA AND HAU IN MOVING IMAGE

PhD Scholar: Nova Paul (Ngāpuhi, Ngāti Hine).

Supervisor: Albert L Refiti (AUT).

In this new practice-led PhD, artist and researcher Nova Paul explores a Māori ontology of temporality in relation to māuri, wairua and hau, in moving images. The project draws on two decades of art practice through experimental Kaupapa Māori film-making and weaving on taonga tuku iho and pūrākau, culminating in the creation of a Ngāpuhi-centric artist film. The research explores whanaungatanga relationships and whakapapa connections to ngā rākau and ngāhere.

These research interests have led to the creation of a plant-based 16-mm film developer, replacing the environmentally damaging Kodak D-76 chemicals. Making films of rākau using plant-based film chemistry processes reveals an image of the rākau and the mauri (life force). Rather than continuing the extractive nature of Western photographic histories – that is, taking an image – this co-creation between tree, human and celluloid is collaborative image-making.

2023/2024 RAUMATI INTERSHIPS

MĀTAURANGA MĀORI AND THE PATENT LAW SYSTEM: COLLISION AND CONTEST

Interns: Jury Teniteni-Smeaton (Ngāti Toa Rangatira, Ngāti Mutunga, Ngāti Tama) (VUW) and **Lewis Johnson** (Rongomaiwahine, Ngāti Kahungunu, Rongowhakaata, Te Aitanga-a-Māhaki, Rangitāne) (VUW).

Supervisors: Jesse Pirini and Jessica Lai (VUW).

POU HINE – WHENUA ME TE AO TŪROA: UNDERSTANDING WĀHINE CONNECTIONS TO LAND AND ENVIRONMENT

Intern: Ngaronoa Kainamu-Davis (Ngāti Kahungunu ki te Wairoa) (VUW).

Supervisor: Hotukura (Joeliee) Seed-Pihama (TWWA).

HOW WILL ĀTA TIAKI TAONGA TUKU IHO HELP TO MEET THE NEEDS OF TAUMATA WHAKAPUMAU TIAKI TAONGA?

Intern: Rachel Aili (Ngāpuhi/Ngāti Kahu ki Whangaroa) (UoA).

Supervisor: Vasiti Palavi (AWMM).

RAW MATERIAL IDENTIFICATION OF TOKI IN THE AUCKLAND WAR MEMORIAL MUSEUM ARCHAEOLOGY COLLECTION

Intern: Reese Clarke (Ngāti Maniapoto) (UoW).

Supervisors: Vasiti Palavi (AWMM) and Joshua Emmitt (AWMM).

AN INTERNSHIP WITH TE AITANGA-A-HAUTI NOURISHING CONNECTEDNESS

Intern: Haki Hamilton (Te Aitanga-a-Hauiti, Tūhoe, Ngāti Awa, Ngāti Te Ata) (UoO). Supervisor: Linda Waimarie Nikora (UoA).

Through the 20th century, many Māori left the rural East Coast for urban centres in search of career and educational opportunities for their whānau. This relocation continues today and while some whānau return to their homelands for special events or holidays, often their connectedness and sense of belonging to marae and community become fragile. Intern Haki Hamilton explored the critical question: “How do Māori support and nourish a connection with their marae community?” Haki spent time in Uawa Tolaga Bay where he became immersed in everyday marae and community life, gaining experiential knowledge and connectedness. With whānau members, he engaged in archival research at the local library, assisted with EDNA testing, attended Pā Wars, and conducted archival research at national repositories to rediscover the history of Te Aitanga-a-Hauiti. This internship celebrated being Māori, staying connected and ensuring the continuity of belonging to Hauiti marae and Uawa, and contributed to the research readiness of marae whānau.



EDNA testing of the Waimaunu Stream, Uawa, Tolaga Bay. (L-R) Mere Tamanui (Taniwha Connections), Raewyn Nikora and Haki Hamilton.

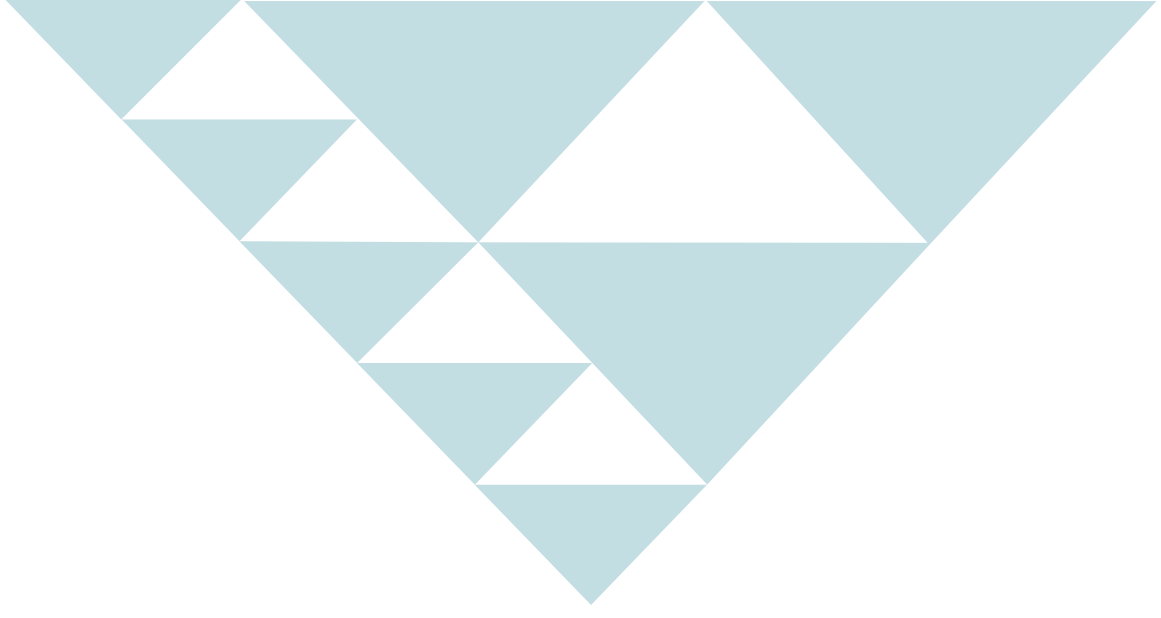
Photo credit: Linda Nikora



Photo credit: Nathan Cowley.

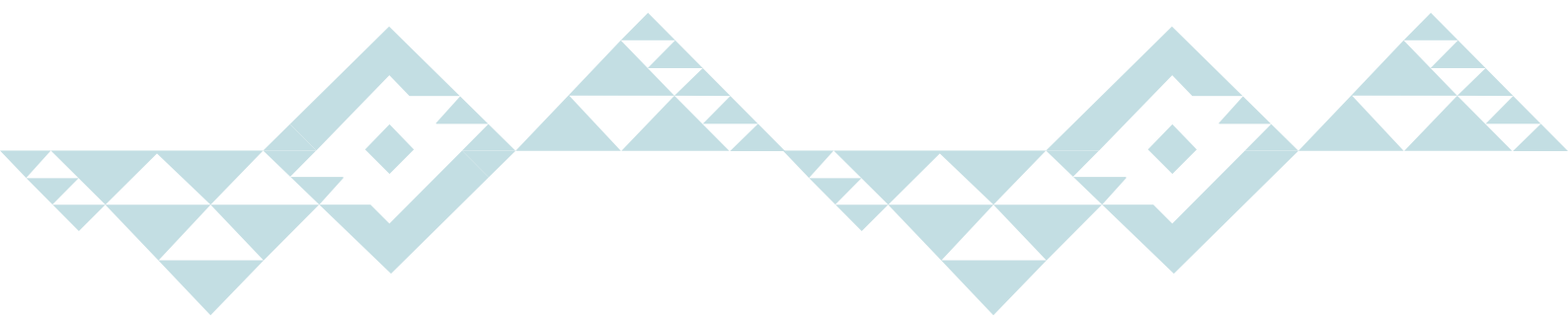
HE HUA KUA PUTA | SELECTED OUTPUTS

- Mane, J., Lee-Morgan, J., Aperahama, R., & Gallagher, J. (2023). Reviewing flexible learning spaces for Māori-medium education. *MAI Journal*, 12(2), 226–234. https://www.journal.mai.ac.nz/system/files/Mane_FNL_webready-3%20%281%29.pdf
- Mercier, O. R. & Jackson, A. (2023). Indigenous science discourse in the mainstream: The case of ‘mātauranga and science’. In E. Rasekoala (Ed.), *New Zealand Science Review for Race & Socio-Cultural Inclusion in Science Communication* (pp. 130–145). Bristol University Press. <https://doi.org/10.1332/policypress/9781529226799.003.0009>.
- Rameka, L., Berryman, M., & Cruse, D. (2023). Whenua ki te whenua. Indigenous naming of the land and its people by reconnecting the past to the present and the future. *MAI Journal*, 12(2), 244–256. https://www.journal.mai.ac.nz/system/files/Rameka_FNL_webready.pdf
- Scobie, M., Heyes, A., Evans, R. & Fukofuka, P. (2023) Resourcing rangatiratanga as part of constitutional transformation: Taking equity and sovereignty seriously, *Kōtuitui: New Zealand Journal of Social Sciences Online*, 18(4), 402–419. <https://doi.org/10.1080/1177083X.2023.2199057>
- Te Huia, B., Brightwell, N., Cram, F., & Tipene-Leach, D. (2023). Te Whare Pora a Hine-te-iwaiwa: Weaving tradition into the lives of pregnant Māori women, new mothers and babies. *AlterNative*, 19(4), 750–761. <https://doi.org/10.1177/11771801231197932>
- Tollan, K. J., Ross, M., Mercier, O. R., Elkington, B., Kiddle, R., Thomas, A., & Smeaton, J. (2023). Public aspirations for a decolonised city. Food security and “re-storytelling”. *MAI Journal*, 12(2), 133–145. https://www.journal.mai.ac.nz/system/files/Tollan_FNL_webready.pdf



PAE ORA

LIVING WELL



*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.

The Matakiteenga project team led by Dr Ken Taiapa addresses critical issues related to climate change mitigation and adaptation strategies. Aligned with the efforts of Climate Health Aotearoa, this research highlights taiao conceptualisations for positive climate health outcomes (completed). Kahurangi Waititi's PhD research (completed) showcases the transformative power of creative practice and Māori methodologies in fostering identity and intergenerational connections. Researchers like Rachael Evans, Dr Belinda Borell, Professor Papaarangi Reid and Dr Will Flavell are making significant contributions to their respective fields, ranging from cultural identity preservation to financial independence and addressing historical trauma (new). Additionally, Dr Makarena Dudley's research on mate wareware (dementia) among Māori stands out for its focus on understanding prevalence, promoting accurate data for policy decisions, and exploring innovative therapies like Cognitive Stimulation Therapy. The engagement of Māori students in internships, like Nick Parata, and PhD programmes, like Aramoana Mohi Maxwell, further underscores our commitment to fostering the next generation of researchers. This collective effort signifies a dynamic spectrum of Māori scholarship and advocacy that not only addresses pressing challenges but also empowers Māori communities and contributes to broader societal transformation.

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

NGĀ TĪPAKO | HIGHLIGHTS 2023



New research celebrated the legacy of Mita Hikairo Mohi and his teachings on the discipline of mau taiaha.



NPM teamed up with the Centre for Brain Research at Waiapa Taumata Rau to address mate wareware.

▶ As racist rhetoric and misinformation gained traction, Associate Professor Donna Cormack's FIRST programme "Research to Interrupt Racism and Inequity" (RIRI) offered a powerful counterpoint.

▶ A bumper cohort of PhD students and Raumati interns began their work.



Photo credit: Cindy McQuade



1

**In-progress FIRST
programmes.**

6

**Live Matakītenga
projects.**

20

**NPM researchers on live
Matakītenga projects.**

PAE ORA

1

**Completed Matakītenga
projects.**

2

**New Matakītenga projects
in 2023.**

12

**PhD full scholarships
since 2021.**



1

PhD support scholarships
since 2021.

6

PhD full scholarships in
2023.

SNAPSHOT

26

Raumati interns
since 2021.

11

Raumati interns
in 2023/2024.

10

Māori communities
engaged.

RESEARCH TO INTERRUPT RACISM AND (IN)EQUITY (RIRI)

Lead: Associate Professor Donna Cormack (Ngāi Tahu, Kāti Māmoe) (UoA), with Associate Professor Sarah-Jane Paine (Tūhoe) (UoA), Professor Papaarangi Reid (Te Rarawa) (UoA); Associate Professor Ricci Harris (Ngāti Kahungunu, Ngāti Raukawa, Ngāi Tahu) (UoO); Dr Arama Rata (Ngāruahine, Taranaki, Ngāti Maniapoto) (Independent); Hana Burgess (Ngāpuhi, Te Roroa, Te Ātihaunui-a-Pāpārangi, Ngāti Tūwharetoa) (UoA).

Led by Associate Professor Donna Cormack, the Research to Interrupt Racism and Inequity (RIRI) programme is at the forefront of theorising racism and inequity for Māori as tangata whenua, and critiquing current approaches in terms of how they align (or not) with aspirations for rangatiratanga. For the past year, the RIRI team has been busy mapping the current Māori research activities on racism in Aotearoa, and identifying key Indigenous scholars of racism internationally, with the aim of establishing a virtual collective. They have also been reviewing research on the role and impact of cohorting or caucusing in teaching and learning spaces for Māori students, and the development of a Critical Race Theory-informed curriculum for junior doctors. Student mentoring is a key part of RIRI and Donna and her team have supported students to theorise

the relationships between equity, racism and rangatiratanga, with some of this research being written up in two publications. The focus in the next period is on bringing together people to envision Māori futures, through various activities including a virtual lab, wānanga and a summer school.

The deep expertise of Donna and her colleagues was recently recognised by the Health Research Council of New Zealand who funded them for two complementary projects, one investigating the [interrelationships between racism](#), time and Māori health inequities, and another focusing on the [marginalism, racism](#) and tokenism experienced by Māori dietitians.

► Read more

Breheny, M., Stevenson, B., Bécares, L., Abelson, J., Rafferty, J., & Cormack, D. (2021). Tabulating experiences of racism and racial discrimination across the life course. *Stigma and Health*, 6(1), 43–52. <https://doi.org/10.1037/sah0000279>

Burgess, H., Cormack, D., & Reid, P. (2021). Calling forth our pasts, citing our futures. *MAI Journal*, 10(1), 57–67. https://www.journal.mai.ac.nz/system/files/MAI%20Jrnl%202021_V10_II_Burgess_FINAL.pdf

Haitana, T., Pitama, S., Cormack, D., Rangimarie Clark, M. T., & Lacey, C. (2023). 'It absolutely needs to move out of that structure': Māori with bipolar disorder identify structural barriers and propose solutions to reform the New Zealand mental health system. *Ethnicity & Health*, 28(2), 234–256. <https://doi.org/10.1080/13557858.2022.2027884>

King, P. T., & Cormack, D. (2023). Indigenous peoples, Whiteness, and the colonality of co-design. In J. Ravulo, K. Olcón, T. Dune, A. Workman & P. Liamputtong (Eds.), *Handbook of critical Whiteness: Deconstructing dominant discourses across disciplines* (pp. 1–16). Springer Singapore. https://doi.org/10.1007/978-981-19-1612-0_28-1

Rata, A., Brayne, G., & Barber, S. (2023). Māori sovereignty or death. *Decolonization of Criminology and Justice*, 5(1), 5–30. <https://doi.org/10.24135/dcj.v5i1.57>

MĀTAURANGA AND CLIMATE HEALTH IN AOTEAROA

Lead: Dr Ken Taiapa (Ngāti Porou, Rongowhakaata, Te Whānau-ā-Apanui) (UoO), with Associate Professor Bridgette Masters-Awatere (Te Rarawa, Tūwharetoa ki Kawerau, Ngāi te Rāngi) (UoW), Dr Christina Mckerchar (Ngāti Kahungunu, Tūhoe, Ngāti Porou) (UoO), Associate Professor Rhys Jones (Ngāti Kahungunu) (UoA), and Summer Wright (Ngāti Maniapoto) (MU).

Dr Ken Taiapa and his team have just concluded a project looking to Indigenous knowledge systems to develop climate change mitigation and adaptation strategies. The first phase of the research focused on the experiences and insights of knowledge-holders with expertise in the application of mātauranga in te taiao. Interviews revealed how climate change is perceived within Māori epistemologies and conceptualisations of humans as co-creators of nature. The findings suggest that Māori contributions to climate health outcomes depend, in part, on the translation of our mātauranga into examples of sustainable practice.

The next stage of the project will examine the impediments and enablers for central and local government to adopt climate policies that support Māori-led initiatives. The project aligns with the ongoing efforts of Climate Health Aotearoa (CHA), a collaborative research consortium which is dedicated to advancing research with tangata whenua that restores and enhances climate health.

► Read more

Jones, R. (2023). To tackle the climate crisis, we need to transform systems according to ancestral original instructions. *British Medical Journal*, 383, 2202. <https://doi.org/10.1136/bmj.p2202>

Jones, R., Macmillan, A., & Woodward, A. (2023). Superheated storms: Climate drivers, health effects and responses. *New Zealand Medical Journal* [Online], 136(1573), 8–11. PMID: 37054452.

Wright, S. (2023). *The contribution of Mātauranga to climate health outcomes in Aotearoa* [Conference presentation]. Climate Health and Sustainable Healthcare in Aotearoa Conference 2023, University of Otago, Wellington. <https://events.otago.ac.nz/chsh2023/programme>

TOI TUKU IHO: AN EXPLORATION OF ORANGA AND MANA MOTUHAKE THROUGH TOI

PhD Scholar: Kahurangi Waititi

(Te Whānau-ā-Apanui, Ngāti Porou, Ngāi Tahu) (UoW).

Supervisors: Linda Tuhiwai Smith and Lisa Perrot (UoW).

Te Whānau-ā-Apanui has a strong tradition of tribal storytellers which has led to contemporary kaitoi and kaitito. One of these storytellers is Kahurangi Waititi (NPM PhD scholarship recipient 2022) who recently completed a groundbreaking PhD about how mahinga toi contribute to whānau, hapū and iwi oranga and mana motuhake. Kahurangi found that creative practice led to a deeper understanding of knowledge processes and systems and contributed to the development of a tukunga iho methodology that extends on pūrākau methodology to include Te Ao Māori practice-based inquiry. Kahurangi's research journey also involved the creation of a short

film, centred on a 700-year-old Te Whānau-ā-Apanui pūrākau which she skilfully narrated to her children, nephews and nieces. Through her storytelling, eight centuries of time was condensed, enriching the narrative with layers of historical depth and cultural significance. The retelling of the pūrākau served as a potent tool for reinforcing the children's sense of identity, fostering intergenerational aroha, and nurturing their mana motuhake.



Kahurangi Waititi created a short film as part of her research. Part of the film was shot at Whangaparaoa Bay where the children played in the Wharaungāmo Stream.

Photo credit: Kahurangi Waititi.

WHAKAAWEAWE | INFLUENCING TRANSFORMATION

PAPAARANGI REID – INDIGENOUS 100

Pou Pae Ora Professor Papaarangi Reid joined Julian Wilcox for his weekly video podcast series centred on Indigenous Thought Leaders (ITL) sharing their knowledge and perspectives to inspire, motivate and provide tools to effect real change.

► **Watch here**

<https://www.youtube.com/watch?v=FZRN4jF-wS0>

WILL FLAVELL – KEEPING RANGATAHI FRONT OF MIND

In 2022, Dr Will Flavell was awarded a NPM Fulbright New Zealand scholarship researching how language, culture and identity feature in the schooling experiences of Native American youth, at the University

of Massachusetts in Boston and Amherst. Will has continued to progress his research and elevate rangatahi voices through his blog and in the media.

► **Read more**

Mateariki, A. (2023, June 8). *School to crime link explored*. Waatea News. <https://waateanews.com/2023/06/08/school-to-crime-link-explored/>

O'Callaghan, J. (2023, May 31). *School has the power to deter rangatahi Māori from crime, research finds*. Stuff. <https://www.stuff.co.nz/pou-tiaki/132182934/school-has-the-power-to-deter-rangatahi-mori-from-crime-research--finds>

MAKARENA DUDLEY – ADDRESSING MATE WAREWARE

The Māori population, while relatively young, is seeing a rapid rise in the number of kaumātua. Dr Makarena Dudley (Te Rarawa, Te Aupōuri, Ngāti Kahu), who is the Deputy Director Māori of the Centre for Brain Research at Waipapa Taumata Rau, is leading research on mate wareware among Māori. Backed by the Health Research Council, her research aims to understand mate wareware prevalence among Māori through nationwide interviews. She stresses the need for accurate data to inform policy and funding allocation for Māori-specific

dementia services. Despite funding disparities, Makarena highlights Māori resilience in caring for kaumātua with mate wareware. She sees promise in Cognitive Stimulation Therapy (CST) for treating dementia and plans to train Māori community facilitators. For Makarena, working with older people is fulfilling, and training facilitators is her way of giving back. She values reciprocating the care received from kaumātua, and their enduring manaaki and aroha.

► **Read more**

Expert launches ground-breaking therapy for Māori kaumātua with dementia. (2023, February 27). New Zealand Herald. <https://www.nzherald.co.nz/kahu/expert-launches-ground-breaking-therapy-for-maori-kaumatua-with-dementia/Q4P3THCQCZCWXJO5SJBIDY4F24/>

IN THE NEWS

YOUR MĀORI ELDERS ARE MY HEROES: KELVIN KONG

Australia's first Indigenous surgeon, Kelvin Kong, on his admiration for Māori academics Margaret Mutu and Papaarangi Reid.

<https://e-tangata.co.nz/reflections/kelvin-kong-your-maori-elders-are-my-heroes/>

MĀORI SCIENTIST'S CANCER RESEARCH AWARD: DANIELLE SWORD

Danielle Sword on her groundbreaking PhD cancer research to improve health outcomes for Māori communities.

<https://www.nzherald.co.nz/kahu/maori-scientists-cancer-research-award-a-boost-for-cross-cultural-approach/UDU7GG3RNC25K5RF4JD7TBUDI/>

"COURAGEOUS ACTION" NEEDED: SARAH-JANE PAINE

Sarah-Jane Paine on the "courageous action" needed to address the structural disadvantage experienced by rangatahi Māori and its impact on their mental wellbeing.

<https://www.teaonews.co.nz/2023/11/23/initiatives-to-improve-mental-health-need-to-include-all-rangatahi-maori-growing-up-in-new-zealand-study/>

HE WHAI AUAHA ANŌ | MORE NEW WORK

WHAKARONGO, TITIRO, KORIKORI KŌRERO KI NGĀ WĀHINE

Exploring embodied and reciprocal healing relationships with our natural environments.

Lead: Dr Deborah Heke (Ngā Puhi, Te Arawa) (AUT), with Professor Helen Moewaka-Barnes (Te Kapotai, Ngāpuhi-nui-tonu) (MU), Meretini Bennett-Huxtable (Te Iwi Roa o Mōkai Pātea, Raukawa au ki te Tonga, Te Āti Haunui-a-Pāpārangī, Ngāti Rangī, Ngāti Maniapoto, Waikato, Ngāti Tūwharetoa, Te Arawa) (Te Ora a Whiro), Dr Melissa Vera (Tsm'syen/Yaqui First Nations) (Washington State University) and Lillian Bartlett (Ngāti Tūwharetoa, Te Whānau-ā-Apanui, Te Arawa) (AUT).

Indigenous women, including wāhine Māori, cultivate a profound relationship with the natural environment through practices like raranga, rongoā and physical activity. In this new Matakiteanga project, Dr Deborah Heke seeks to unravel the wisdom embedded in our natural environment connections, exploring the potential for reciprocal healing between women and the land, individuals and their environments. By fostering a network of Māori and Indigenous women and prioritising mātauranga wāhine, the project will facilitate discussions and dialogues to delve into how women engage physically with their surroundings. Central to the research is the exploration of knowledge passed

down through generations, focusing on women's deep ties to the natural world and the healing dynamics inherent in these relationships, and as understood by our ancestors. Extending her PhD research, Deborah and her team will investigate how women and their embodied connections to significant places influence, and are influenced, by these environments. This project marks the beginning of a broader initiative about Māori and Indigenous women nurturing and safeguarding te taiao – the land, country and place.

"The land remembers us; we just need to remember the land. In that remembering, I think there's real healing potential."
Deborah Heke



Matakitenga lead, Deborah Heke is exploring what relationships can teach us about the potential for reciprocal healing between wāhine and whenua, person and place.

Photo credit: Deborah Heke.

DEVELOPING METHODOLOGICAL APPROACHES TO TRACKING HISTORICAL TRAUMA

Lead: Dr Belinda Borell (Ngāti Ranginui, Ngāi Te Rangi, Te Whakatōhea) (MU), with Dr Emerald Muriwai (Ngāti Ira, Ngai Tamahaua, Ngāti Patumoana, Whakatōhea & Airihi) (MU); Professor Tracey McIntosh (Tūhoe) (UoA), Associate Professor Lara Greaves (Ngāpuhi) (VUW) and Dr Jose Romeo (MU).

Extensive international scholarship demonstrates Indigenous people are 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 of oppression was the forced removal of Māori children from their families to be placed in a range of state- and church-managed institutions.

Led by Dr Belinda Borell, this new Matakiteenga project is developing Kaupapa Māori methodological approaches to track those affected by this specific act of historical trauma so as to ascertain the compound, intergenerational effects upon survivors. A Royal Commission of Inquiry is investigating what happened to children, young people and vulnerable adults in state and faith-based care in Aotearoa in the half century from 1950 to 1999.

TAIAHAHĀ, TAIAHAHĀ – KO AU KO KOE, KO KOE KO AU...'

Exploring the Mokoia Taiaha Wānanga in relation to cultural reclamation, resilience and affirmation.

PhD Scholar: Aramoana Mohi-Maxwell (Ngāti Rangiwewehi, Ngāti Tarāwhai, Ngāti Whakaue, Tapuika, Ngāi Te Rangi, Ngāti Ranginui, Ngāti Tūwharetoa, Ngāti Ruanui) (UoC).
Supervisor: Carl Te Hira Lewis Mika (UoC).

The whakatauki “Ko au ko koe, ko koe ko au” encapsulates the guiding principle behind Mita Hikairo Mohi’s legacy and his teachings on the discipline of mau taiaha. Aramoana Mohi is currently exploring her father’s legacy and its implications for wellbeing concerning cultural reclamation, resilience and affirmation. Through this doctoral research, the potential of traditional disciplines to address the dissonance arising from compromised identities and belonging is examined.

Aramoana will study the transformative influence of Te Wānanga Mau Taiaha o Mokoia through the authentic narratives of participants and their whānau, along with compositions crafted to honour Mita Mohi’s legacy. The study will centre on sustainable Te Ao Māori knowledge and practices that endure across generations.



Photo credit: Te Rawhitiroa Bosch.



Mita Hikairo Mohi (1939–2016) taught mau taiaha at Mokoia Island to generations of taitamariki. His legacy and its implications for wellbeing in relation to cultural reclamation, resilience and affirmation is the focus of research by his daughter Aramoana Mohi-Maxwell.

Photo credit: Te Rawhitiroa Bosch.

WELCOMING NEW PHD SCHOLARS

EXPLORING UNDERSTANDINGS OF WAIRUA FOR RANGATAHI MĀORI IN A YOUTH FORENSIC SETTING

Erani Motu (Ngāpuhi) (MU).

Supervisor: Pikihiua Pomare (MU).

MAKING MŌKIHI: KĀI TAHU LEARNING AND CARE OF OUR IWI AND GENDER IDENTITIES

Ahinata Kaitai-Mullane (Ngāi Tahu, Kāti Māmoe, Waitaha Te Waipounamu) (VUW).

Supervisor: Annie Te One (VUW).

TAONGA TUKU IHO: THE CONTRIBUTION OF MĀORI NURSE PRACTITIONERS TOWARDS THE TRANSFORMATION OF PRIMARY HEALTH CARE

Ebony Komene (Ngāpuhi, Ngāti Pikiao, Ngāti Whakaue, Tapuika) (UoA).

Supervisor: Sue Adams (UoA).

HAUORA: A NGĀTI KAHUNGUNU PERSPECTIVE

Sharron Aroha Fabish (Ngāti Kahungunu ki Te Wairoa, Te Whānau-ā-Apanui, Ngāti Maniapoto) (UoA).

Supervisor: Melinda Webber (UoA).

TAITAMAWAHINE NARRATIVES OF ABORTION

Fern Miro Smith (Ngāti Hau, Ngāpuhi) (UoA).

Supervisor: Jade Le Grice (UoA).

PĪKAU I TE ANAMATA: RE-IMAGINING WHĀNAUCENTRIC PARENTING PRACTICES IN AOTEAROA

Arianna Nisa-Waller (Ngāi Te Rangi, Ngāti Ranginui, Ngāpuhi) (UoO).

Supervisor: Anne-Marie Jackson (UoO).

TAIAHAHĀ, TAIAHAHĀ – KO AU KO KOE, KO KOE KO AU...': EXPLORING THE MOKOIA TAIAHA WĀNANGA IN RELATION TO CULTURAL RECLAMATION, RESILIENCE AND AFFIRMATION

Aramoana Mohi-Maxwell (Ngāti Rangiwewehi, Ngāti Tarāwhai, Ngāti Whakaue, Tapuika, Ngāi Te Rangi Ngāti Ranginui, Tūwharetoa, Ngāti Ruanui) (UoC).

Supervisor: Carl Te Hira Lewis Mika (UoC).

MĀORI STUDENTS TO RESEARCH ISSUES CENTRAL TO COMMUNITY OVER SUMMER

Read about our interns in the news. "The internship is a way for our students to gain valuable research experience under the guidance of some of this country's most experienced researchers," says NPM research manager Dr Kiri Edge.

► Read more

Bhatia, R. (2023, December 13). *Māori interns to research issues central to community over summer*. Stuff.

<https://www.stuff.co.nz/pou-tiaki/133443481/mori-students-to-research-issues-central-to-community-over-summer>

2023/2024 RAUMATI INTERNSHIPS

TE PUTUNGA O TE HINU TE PUTUNGA O TE KŌRERO TE RIKOWERAWERA O TE TAI AO: SONGS ESTABLISH FOOD SOVEREIGNTY IN CLIMATE CHANGE

Intern: Te Huikau Rapaera Rata (Te Whakatōhea, Te Whānau-ā-Apanui, Ngāi Tahu) (TWWoA).
Supervisor: Te Kahautu Maxwell (UoW).

HOW DO WHĀNAU DEFINE AND EXPERIENCE QUALITY ENGAGEMENT FROM HEALTH SERVICES? A KAUPAPA MĀORI-INFORMED LITERATURE REVIEW

Intern: Sean Hamilton (Te Aupōuri, Te Rarawa, Ngāti Kahungunu ki Wairoa, Tūhoe) (AUT).
Supervisors: Anneka Anderson and Ainsleigh Cribb-Su'a (UoA).

LINKING THE PUSH FOR A "BY MĀORI, FOR MĀORI" CHILD PROTECTION SYSTEM TO THE WIDER DECOLONISATION MOVEMENT

Intern: Darrien Mitchell (Te Arawa) (UoA).
Supervisor: Luke Fitzmaurice-Brown (VUW).

REIMAGINING DISSEMINATION: UTILISING CO-DESIGN AND KAUPAPA MĀORI TO CREATE A DISSEMINATION OUTCOME

Intern: Keely Ranga (Tainui, Pare Hauraki, Ngāi Tahu) (UoA).
Supervisor: Jade Tamatea (UoA).

MĀORI WHĀNAU MENTAL HEALTH AND ADDICTION JOURNEYS

Intern: Maioha Watson (Waikato, Tūhoe, Ngāti Pikiao, Ngāti Manawa, Whakatōhea, Te Āti Awa) (UoO).
Supervisor: Erena Wikaire (TWWA).

INTERGENERATIONAL IMPACTS OF FETAL ALCOHOL SPECTRUM DISORDER ON INDIGENOUS WHĀNAU, HAPŪ, IWI AND HAPORI

Intern: Deb Cole (Ngāti Hine, Ngai Takoto, Ngāti Kahu, Te Rarawa, Te Aupōuri, Ngāti Kurī, Ngāti Whatua ki Kaipara) (Unitec).
Supervisor: Karen Wright (UoA).

EXPLORING CULTURALLY RESPONSIVE VACCINE DELIVERY FOR MĀORI: A KAUPAPA MĀORI FRAMED REVIEW OF LITERATURE

Intern: Stacy-Ria Te Kurapa-King (Rongowhakaata, Tūhoe, Ngāpuhi) (UoA).
Supervisor: Anneka Anderson (UoA).

MĀORI COMMUNITY ACTION AND RESPONSES TO SEVERE WEATHER EVENTS

Intern: Harmony Kubiack (Ngāti Raukawa, Ngāi Tahu) (MU).
Supervisor: Elle (Eleanor) Brittain (MU).

TIHEI MAURIORA, TIHEI MANA MOTUHAKA: INVESTIGATING HOW TRAUMA IMPACTS RANGATAHI MĀORI WHO OFFEND AND THEIR WHĀNAU ENGAGED WITH THE YOUTH JUSTICE SYSTEM

Intern: Celia Paul (Ngāpuhi) (UoA).
Supervisor: Tania Cliffe-Tautari (UoA).

PARS WARS: A SYSTEMATIC REVIEW OF 'PLAY, ACTIVE RECREATION AND SPORT' (PARS) IN PROMOTING MENTAL HEALTH AMONG MĀORI YOUTH

Intern: Nick Parata (Ngāti Raukawa, Ngāti Toa Rangatira, Te Āti Awa) (UoO).
Supervisor: Jeremy Hapeta (UoO).

MĀORI PHARMACISTS: STAYING, GOING, OR GONE?

Intern: Shelby Rupa-Hayward (Ngāpuhi) (UoO).
Supervisor: Lisa Kremer (UoO).

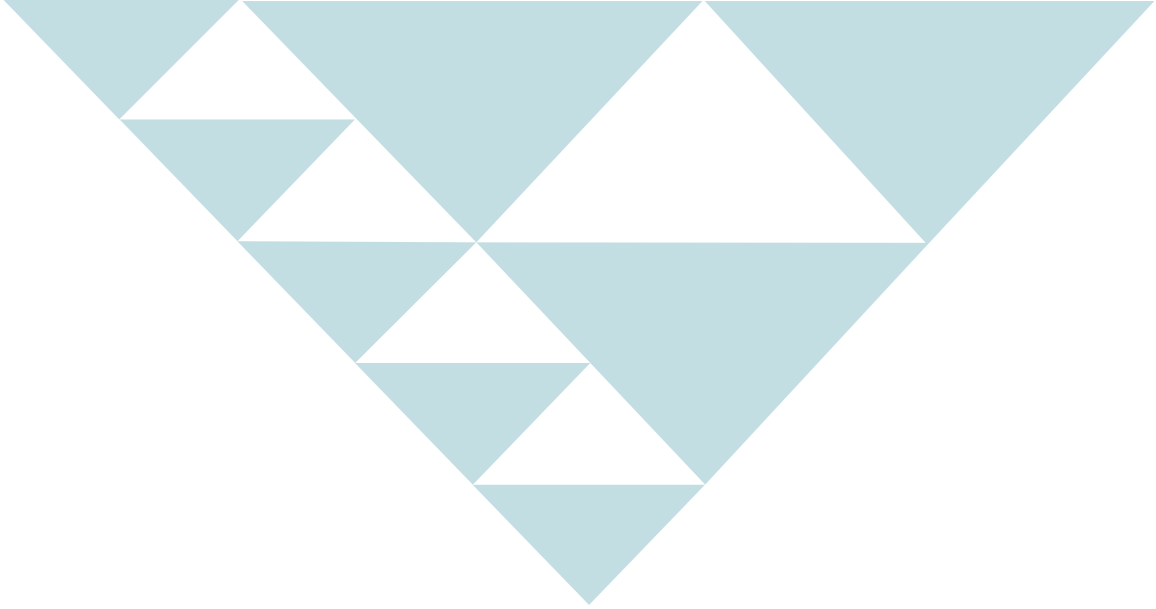
MĀORI WHĀNAU MENTAL HEALTH AND ADDICTION JOURNEYS

Intern: Maioha Watson (Waikato, Tūhoe, Ngāti Pikiao, Ngāti Manawa, Whakatōhea, Te Āti Awa) (UoO).
Supervisor: Erena Wikaire (TWWA).

HE HUA KUA PUTA | SELECTED OUTPUTS

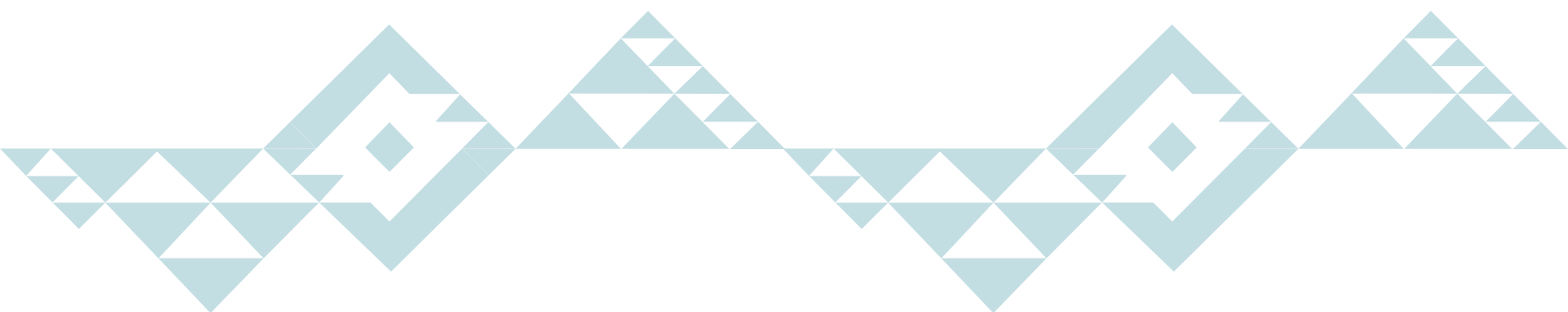
- Aramoana, J. & Cormack, D. (2023, 29 September–1 October). “Pro-Equity” as non-performativity: A call to rethinking equity discourse in an envisioning of the role of Māori doctors in rangatiratanga [Paper presentation]. Te ORA Hui-ā-Tau and Scientific Conference, Kirikiriroa. <https://teora.maori.nz/te-ora-hui-a-tau-scientific-conference-2023/register-hui-a-tau-2023-pay-now/>
- Cunningham, C., Jackson, A-M., & Hakopa, H. (2023). Walking our pepeha: The influence of whakapapa on health and well-being. *MAI Journal*, 12(1), 15–24. <https://doi.org/10.20507/MAIJournal.2023.12.1.2>
- Emery-Whittington, I., & Davis, G. (2023). Rapua te kurahuna: An occupational perspective of internalised oppression. *AlterNative*, 19(4), 762–770. <https://doi.org/10.1177/11771801231206209>
- Heke, D. (2023). Te Kupenga. A woven methodology for collecting, interpreting and storying Māori women’s knowledges. *MAI Journal*, 12(2), 146–157. <https://doi.org/10.20507/MAIJournal.2023.12.2.4>
- Korohina, E., Rolleston, A., Wharemate, Z., & Warbrick, I. (2023). How do Māori navigate advice about nutrition? A review that spans the mātauranga Māori, western science, and social media divides. *AlterNative*, 19(3), 533–542. <https://doi.org/10.1177/11771801231185357>
- Waretini-Karena, R., & Julia, W. (2023). Creating a Hā habit: Utilising Māori innovations in breathwork to alleviate and build resilience to the effects of trauma, PTSD. *MAI Journal*, 12(2), 195–206. <https://doi.org/10.20507/MAIJournal.2023.12.2.9>
- Watene, H., Hapeta, J., & Jackson, A.-M. (2023). Whakamana te tuakiri o ngā wāhine Māori i te ao whutuporo: Flourishing wāhine Māori identities in rugby: A literature review. *Junctures: The Journal for Thematic Dialogue*, 23, 36–54. <https://doi.org/10.34074/junc.23005>
- Wiapo, C., Sami, L., Komene, E., Wilkinson, S., Davis, J., Cooper, B., & Adams, S. (2023). From kaimahi to enrolled nurse: A successful workforce initiative to increase Māori nurses in primary health care. *Nursing Praxis in Aotearoa New Zealand*. <https://doi.org/10.36951/001c.74476>
- Wikaire, E., & Doherty, T.H. (2023). Cannabis and methamphetamine in New Zealand: A kaupapa Māori literature review. *The New Zealand Medical Journal (Online)* 136(1584), 73–83. PMID: 37856756. <https://nzmj.org.nz>





PAE TAWHITI

LIVING LIGHTLY



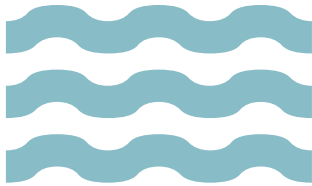
*Ka whakawhenua tātou i a tātou anō, kia toitū te noho tahi
mō āke tonu atu*

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.

In 2023, our two multi-year FIRST research programmes significantly advanced our Pae Tawhiti agenda. The “He oranga whānau: Mahi ngātahi – Whānau livelihoods and wellbeing” team generated much interest for their research on how the “taniwha economy” can uplift all Māori. Professor Michelle Thompson-Fawcett and her FIRST team continued to unpack what it means for Māori to have healthy environmental relationships in urban settings. Matakiteanga and intern projects traversed a wide range of kaupapa from restoring the ecological balance of the Waipapu River to surveying tuangi populations in Ōhiwa Harbour, and investigating the impact of invasive species on waterway mauri. Our researchers remained active as influencers with Professor Jason Mika advocating for sustainable trade partnerships, and Sarah Rewi, Kura Paul-Burke and Kelly Klink highlighting environmental issues and Indigenous perspectives in their respective fields. With these research activities, we continue to grow responsible social, economic and environmental relationships.

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

NGĀ TĪPAKO | HIGHLIGHTS 2023



Our researchers are engaging in vital work to understand and highlight the impacts of pollution and pest incursion in the rivers, harbours and oceans of Aotearoa.



Our researchers have connected with iwi and hāpu to inform and deepen their knowledge about specific environmental issues.

-
- ▶ NPM – Borrin interns worked on Indigenising the curriculum for the LLB degree at Te Whare Wānanga o Waitaha.



Photo credit: Kyle Myburgh.



2

**In-progress FIRST
programmes.**

4

**Live Matakītenga
projects.**

PAE TAWHITI

12

**NPM researchers on live
Matakītenga projects.**

3

**New Matakītenga projects
in 2023.**



1

PhD full scholarships
since 2021.

1

PhD full scholarships in
2023.

SNAPSHOT

14

Raumati interns
since 2021.

5

Raumati interns
in 2023/2024.

2

Māori communities
engaged.

CAN THE RISING TIDE OF A “TANIWHA ECONOMY” LIFT THE BOATS OF ALL MĀORI?

WHĀNAU LIVELIHOODS AND WELLBEING

Lead: Professor Chellie Spiller (Ngāti Kahungunu ki Wairoa) (UoW), with Professor Jarrod Haar (Ngāti Maniapoto, Ngāti Mahuta) (AUT), Dr John Reid (Ngāti Pikiao, Tainui) (UoC), Associate Professor Jason Mika (Tūhoe, Ngāti Awa, Whakatōhea, Ngāti Kahungunu) (UoW) and Dr Matthew Rout (UoC).

Chellie continues to lead this innovative multidisciplinary team of experts, exploring ways to accelerate Māori livelihoods and enterprise within the broader concept of a Māori wellbeing economy. This FIRST research programme is focused on pathways to transform the lives of whānau through meaningful, targeted research that enhances whānau chances of long-term survival and flourishing through sustainable work, business and employment. Early results from this programme suggest that:

- Māori businesses emphasise the importance of maintaining or enhancing the mauri of the whenua, with a focus on social, cultural and environmental performance as part of their quadruple-bottom-line reporting.
- The concept of the “taniwha economy” revolves around effective Māori leadership and decision-making and Māori environmental economics.
- The “taniwha economy” aims to prioritise the health of relationships with Papatūānuku and future generations, emphasising kaitiakitanga and the balance between economic success and environmental preservation.
- As the Māori population share grows, it will become increasingly important to be able to navigate and adapt to changing macro trends in order to realise the opportunities afforded by changing demographics.

► Read more

Spiller, C., & Nicholson, A. (2023). Indigenous leadership as a conscious adaptive system. In D. Shedlitzki, M. Larsson, B. Carroll, M. Bligh & O. Epitropaki (Eds.), *The SAGE Handbook of Leadership* (p. 309). Sage. ISBN 9781529769067

Haar, J. (2023, March). Perceived discrimination of Māori and Pacific employees in Aotearoa/ New Zealand: Work and well-being consequences and testing the symbolic interaction perspective. *Evidence-based HRM: a Global Forum for Empirical Scholarship*, 11(4). <https://doi.org/10.1108/EBHRM-03-2022-0064>

Kohere, R. (2023, January 25). *Can the rising tide of a 'taniwha' economy lift the boats of all Māori?* The Spinoff. <https://thespinoff.co.nz/atea/25-01-2023/the-taniwha-economy-can-be-so-much-more>

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), Kaila Tawera (Ngāti Porou) (UoO).

The Toitū He Kāinga FIRST programme, led by Michelle, focuses on healthy environmental relationships in urban settings. The programme aims to foster urban environments that enable Te Ao Māori to be expressed, allowing rangatahi to speak their language, practise their tikanga, and be Māori in the city. It emphasises the importance of incorporating Māori aspirations from the past, present and future into urban planning to celebrate our cultures and histories and weave them into the fabric of cities. In its second year, the team

is working closely with mana whenua communities, mātāwaka, local authorities and government agencies. The team has begun sharing and disseminating findings and insights through wānanga, local and international presentations, and journal publications, with further work underway.



The Christchurch Convention Centre is an example of how Te Ao Māori can be expressed through urban design.
Photo credit: Michelle Thompson-Fawcett.

► Read more

Rātana, L. (2023, 22 June). *Meet the woman putting culture at the heart of urban planning*. The Spinoff. <https://thespinoff.co.nz/atea/22-06-2023/meet-the-woman-putting-culture-at-the-heart-of-urban-planning>

Thompson-Fawcett, M. (2023). Identity and research ethos in Indigenous-to-Indigenous planning research. *Frontiers in Research Metrics and Analytics*, 8. <https://doi.org/10.3389/frma.2023.1118038>

HE URU MĀNUKA RE-STORYING THE WAIAPU

Lead: Associate Professor Natalie Robertson (Ngāti Porou) (AUT), with Mr Graeme Atkins (Ngāti Porou, Rongomaiwahine) (Raukūmara Pae Maunga Restoration Project), Lionel Matenga (Te Whānau a Pōkai) (Independent), Alex Monteith (Independent), Dr Maree Sheehan (Ngāti Maniapoto-Waikato, Ngāti Tūwharetoa, Ngāti Tahu-Ngāti Whāoa) (UoA), and Dean Savage (Tūwharetoa ki Kawerau) (Independent).

The Waiapu River's ecological crisis, largely stemming from sedimentation, stands as a profound environmental challenge. Despite its significance, this disaster remains largely unnoticed by the wider Aotearoa community, owing to the remote location of the Tairāwhiti region. Yet for those living along the Waiapu, the devastating effects of deforestation and intensive farming are starkly evident, manifesting in severe erosion over the past century.

This Matakītenga project, led by Associate Professor Natalie Robertson, sheds light on the river's plight. Through meticulous archival research and collaborative

efforts with whānau of the Waiapu, the team has uncovered forgotten traditions and landmarks, striving to piece together the river's historical narrative. Natalie's partnership with restoration ecologist Graeme Atkins aims to revive traditional fishing methods, epitomised by their meticulous replication of a stone fish weir depicted in a pivotal 1923 photograph. Beyond restoration, this project provides the river with a voice, utilising modern technology to document its story while safeguarding age-old practices threatened by environmental degradation.



Natalie Robertson

Photo credit: Alex Monteith



Pā tauremu with kūpenga woven from harakeke and kareao (supplejack), looking towards Pōhautea. 7 September 2023.
Photo credit: Natalie Robertson.

WHAKAAWEAWE | INFLUENCING TRANSFORMATION

Pou Matarua Linda Waimarie Nikora teamed up with NPM colleagues in the Biological Heritage National Science Challenge to chair a webinar about the release of their report: When the Crown controls mātauranga.

WHEN THE CROWN CONTROLS MĀTAURANGA

A REPORT ON A SURVEY
OF CROWN POLICIES,
PROGRAMMES, LEGISLATION,
FUNDING, AND IMPACT
ASSESSMENT RELATING TO
MĀTAURANGA MĀORI

The team reviewed the Crown's policies on mātauranga to ask: "Is there now an overarching policy? If not, why not? And is the 'principled partnership approach' the Tribunal suggested the best way forward?"

▶ Watch here

<https://bioheritage.nz/outputs/when-the-crown-controls-matauranga/>

▶ Read more

Mead, A. T. P., Smith, V., Ataria, J., Wilson-Leahy, T. P., Ogilvie, S., Watene-Rawiri, E., Potter, H., & Shadbolt, M. (2022). *When the Crown controls mātauranga: A report on a survey of Crown policies, programmes, legislation, funding, and impact assessment relating to mātauranga Māori*. Biological Heritage National Science Challenge. ISSN 2815-9853

IN THE NEWS

CREATING SUSTAINABLE TRADE PARTNERSHIPS: JASON MIKA

Associate Professor Jason Mika from Te Raupapa Waikato on climate change, biodiversity decline and how it affects Indigenous people and trade policy. <https://www.stuff.co.nz/pou-tiaki/300915317/indigenous-knowledge-as-a-foundation-for-sustainable-trade-partnerships>

SEABIRD POPULATIONS IN DECLINE: SARAH REWI

Sarah Rewi from the School of Biological Science at Waipapa Taumata Rau on how Aotearoa is a hotspot for global seabird diversity, but populations in the country are declining. <https://waateanews.com/2023/08/02/sarah-rewi-the-school-of-biological-science-at-waipapa-taumata-rau-the-university-of-auckland/>

STARFISH CULPRIT IN MUSSEL MYSTERY: KURA PAUL-BURKE

Te Whare Wānanga o Waikato marine ecologist Professor Kura Paul-Burke on how starfish and human land practices are to blame for the near-extinction of kūkū (mussels) at Ōhiwa Harbour. <https://waateanews.com/2023/10/04/starfish-culprit-in-mussel-mystery/>

IICCRS KEYNOTER – “WE NEED AN ABRUPT DROP”: MIKE SMITH

IICCRS keynoter Mike Smith on how polluting lobbyists and wars will hamper COP 23. https://www.stuff.co.nz/environment/climate-news/133295795/a-cynics-take-on-what-progress-will-even-be-possible-from-the-un-climate-summit#cx_testid=901&cx_testVariant=ctrl&cx_artPos=2

SETTING THE RECORD STRAIGHT ON OCEAN VOYAGING: KELLY KLINK

Academic Kelly Klink on her work with Professor Raul Diez, from the University of San Ignacio de Loyola, documenting the pre-colonial historical ties between Māori and the Inca people.

<https://www.nzherald.co.nz/kahu/maori-delegation-in-peru-to-set-record-straight-on-ocean-voyaging/37K6URVXTBBGJILZBJNX7W3BUM/>

WHY KIWI WORKERS ARE MOVING TO AUSTRALIA: JARROD HAAR

Jarrold Haar, professor of Management and Māori business at Te Kunenga ki Pūrehuroa, on the trend of Kiwi workers heading over the ditch.

<https://www.stuff.co.nz/national/300934361/onethird-of-kiwi-workers-think-of-quitting-and-moving-to-australia--study>

HE WHAI AUAHA ANŌ | MORE NEW WORK

ME WHAKAOREORE TĀTOU: MOBILISING MAPPING TECHNOLOGIES THAT BENEFIT TAHAMATA INCORPORATION'S COASTAL FARMING IN KUKU, HOROWHENUA

Lead: Professor Huhana Smith (Ngāti Tukorehe, Ngāti Raukawa ki te Tonga) (MU Host), with Moira Poutama (Ngāti Tukorehe, Ngāti Wehiwehi, Ngāti Kikopiri, Ngāti Raukawa ki te Tonga) (Te Iwi o Ngāti Tukorehe Trust), Hayden Fowler (Independent) and Nathan Galluzzo (McGregor Coxall, Sydney).

This iwi-led research team brought together mātauranga, local and intergenerational knowledge with mapping technologies to enable discussion about future land use options. The landowners and board of Tahamata Incorporation are exploring the possible use of diverse pastures and regenerative management practices for this coastal whenua. The mapping technology, and other information about where water was intruding on the farm, led to the identification of former pā sites and other ancestral areas. The initial

mapping provided the starting point for a more in-depth analysis of the whenua. At a two-day wānanga, an artist/ecologist and landscape architect on the team talked with landowners about enhanced management practices for the whenua, now and into the future. The project has been enhanced through receiving additional funding from AgResearch's Toihau research unit to realise a whole-of-system mapping exercise via photogrammetry and 3-D digital terrain modelling (DTM) until 2025.



Huhana Smith is using mapping technology to understand the geography and optimal land use of coastal whenua at Kuku, Horowhenua.

Photo credit: Huhana Smith.

WELCOMING NEW PHD SCHOLARS

MAPPING TUANGI IN ŌHIWA HARBOUR

PhD Scholar: Kiri Reihana (Ngāpuhi, Te Rarawa, Whakatōhea, Tūhoe) (UoW).

Supervisor: Kura Paul-Burke (UoW).

Tuangi (cockle) populations in Ōhiwa Harbour have declined due to changes in land use, pollution, predation and harvesting pressures. The harbour holds cultural significance for Te Whakatōhea, Ngāti Awa and Ngāi Tūhoe, serving as a vital pātaka kai and mahinga kai. This PhD research by Kiri Reihana combines modern technologies with traditional Māori knowledge to co-

manage the harbour and ensure the sustainability of taonga species. Using a Species Distribution Model from NIWA, the study aims to enhance surveying and monitoring techniques not only within Ōhiwa but also in estuaries globally. In 2022, Kiri became the first Māori recipient of a L'Oréal-UNESCO for Women in Science mentoring fellowship.



PhD researcher Kiri Reihana at work in the Ōhiwa Harbour.
Photo credit: Hema Wihongi

► Read more

Te Puke Times. (2022, 21 July).

Te Puke's Kiri Reihana wins one-of-a-kind fellowship. New Zealand Herald. <https://www.nzherald.co.nz/bay-of-plenty-times/news/te-pukes-kiri-reihana-wins-one-of-a-kind-fellowship/KJ6XA7YNVHAGIY6YZKSKWG3E54>

2023/2024 RAUMATI INTERNSHIPS

BORRIN FOUNDATION – NGĀ PAE O TE MĀRAMATANGA LEGAL RESEARCH INTERNSHIP AWARD INDIGENISING THE LLB

Interns: Ocean Bartlett (Ngāti Porou, Ngāpuhi) (UoC) and Elena Kingham (Ngāti Tūwharetoa, Ngāti Kahungunu, Ngāti Mutunga, Ngāti Hāua) (UoC).

Supervisors: Adrienne Paul (UoC), William Grant (UoC) and Rachel Evans (UoC)

In collaboration with the Borrin Foundation, this award supported two interns to work on a project to Indigenise the curriculum for the LLB degree at Te Whare Wānanga o Waitaha (UoC). Ocean Bartlett and Elena Kingham worked together to curate an online repository of Māori

and Indigenous case law, readings and audio resources. The repository highlights the importance of mātauranga Māori and Indigenous methodologies in shaping the futures of law and criminal justice students, researchers and faculty.

MANA WHAKAHAERE TOTIKA MO NGĀ AITUA TAIAO – EFFECTIVE CO-GOVERNANCE OF NATURAL DISASTERS

Intern: Jael Reiri (Ngāti Kahungunu ki Heretaunga; ki Wairarapa, Rangitāne, Waikato Tainui, Ngāti Tūwharetoa, Ngāti Raukawa, Ngāti Porou, Ngāti Pāhauwera, Ngāti Rongomaiwāhine) (EIT).

Supervisor: Robert Joseph (UoW).

PROVIDING THE VOICE FOR KANAKANA – ASSISTING WITH STORYTELLING AND BEING PART OF THE RESTORATION JOURNEY FOR THIS TAONGA SPECIES (BIOHERITAGE NATIONAL SCIENCE CHALLENGE – NGĀ PAE O TE MĀRAMATANGA RESEARCH INTERNSHIP AWARD)

Intern: Ariana Drabble (Te Arawa, Tainui) (UoO).

Supervisor: Jane Kitson (MWLR).

E HOA, E HOARIRI RĀNEI?

HOW WILL CORBICULA FLUMINEA AFFECT TE MAURI O WAIWAIĀ?

Intern: Tui Barrett (Ngāti Maniapoto, Tainui, Kāi Tahu) (UoW).

Supervisor: Tama Blackburn (UoC)

In May 2023, the invasive *Corbicula fluminea* (CF), or freshwater gold clam, was found in the Waikato Awa, prompting concerns about its potential presence in the Waipā. He Uri o Maniapoto developed a cultural assessment framework to monitor taonga species, aiding in understanding local biodiversity and strategies for enhancing waterway mauri, including possible tuna translocations. With support from iwi, councils and mana whenua, Tui participated in monitoring and wānanga (learning sessions), writing a report outlining whether CF is a friend or foe. This internship broadened Tui's understanding of Te Ao Māori, biosecurity, ecology and modern tools for data management and report writing.



Raumati intern Tui Barrett spent the summer of 2023/24 knee-deep in water as he investigated the effects of the invasive freshwater gold clam on taonga species in the Waipā Awa.

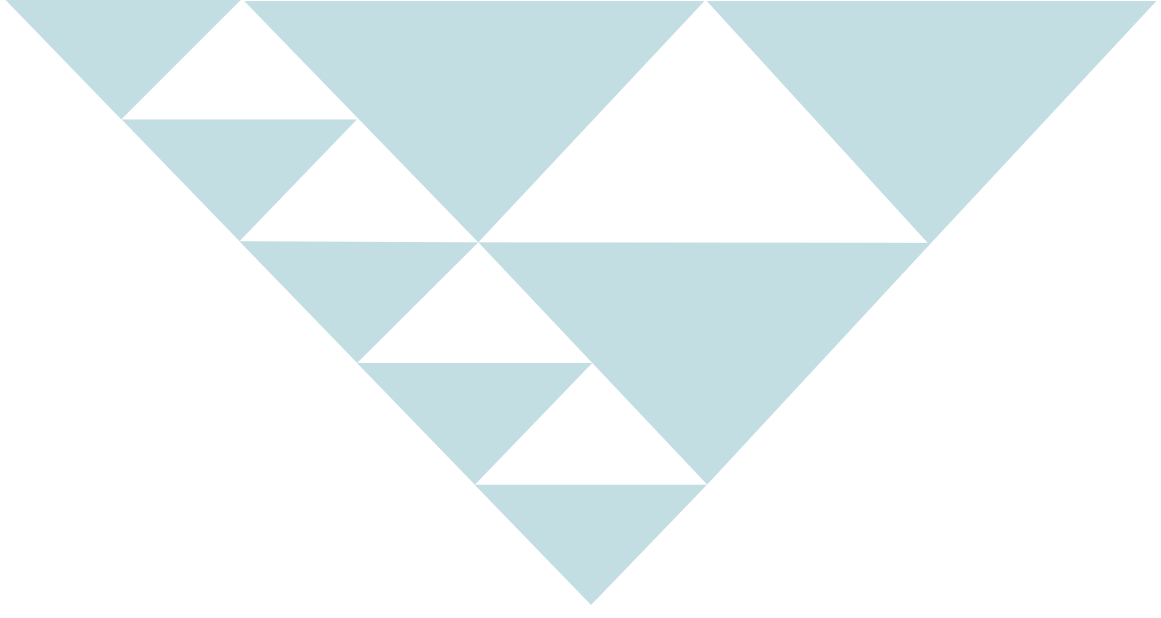
Photo credit: Tama Blackburn.

HE HUA KUA PUTA | SELECTED OUTPUTS

- Hyslop, J.A., Harcourt, N., Awatere, S., Hikuroa, D.C., Blackett, P., & Heron, R.B. (2023). Kia aiō ngā ngaru, kia hora te marino: Smoothing the waters in natural resource management to mitigate risk and uncertainty. *AlterNative*, 19, 229 nw–239. <https://doi.org/10.1177/11771801231174317>
- Lipsham, M. (2023). Taiao and mauri ora. Māori understanding of the environment and its connection to wellbeing. *MAI Journal*, 12(2), 181–192. <https://doi.org/10.20507/MAIJournal.2023.12.2.7>
- Mercier, O. R., Leonard, B. G., & Harry, D. (2023). How Indigenous narratives are embedded within, emerging from and calling across landscapes. In B. G. Leonard, D. Harry, & O. R. Mercier (Eds.), *Ethical Space: The International Journal of Communication Ethics*, Vol. 20, 2/3. <https://doi.org/10.21428/0af3f4c0.437a9a2c>
- Rodgers, M., Mercier, O. R., Kiddle, R., & Zari, M. P. (2023). Plants of place: Justice through (re)planting Aotearoa New Zealand's urban natural heritage. *Architecture_MPS*, 25(1), 1–24. <https://doi.org/10.14324/111.444.amps.2023v25i1.001>
- Quigg, R., Kewene, F., & Morgaine, K. C. (2023). Initiating decolonization: From the last straw! to Whariki. *AlterNative*, 19(2), 495–498. <https://doi.org/10.1177/11771801231167913>
- Robson-Williams, M., Harcourt, N. & Mercier, O. R., (2023). Achieving societal collaboration and impact in Aotearoa-New Zealand through transdisciplinarity. *GAIA International Transdisciplinary Special Issue*, 32(1), 126–130. <https://doi.org/10.14512/gaia.32.1.9>
- Russell, E., McKerchar, C., Thompson, L., & Berghan, J. (2023). Māori experiences of social housing in Ōtautahi Christchurch. *Kōtuitui: New Zealand Journal of Social Sciences Online*, 18(4), 352–369. <https://doi.org/10.1080/1177083X.2023.2180762>

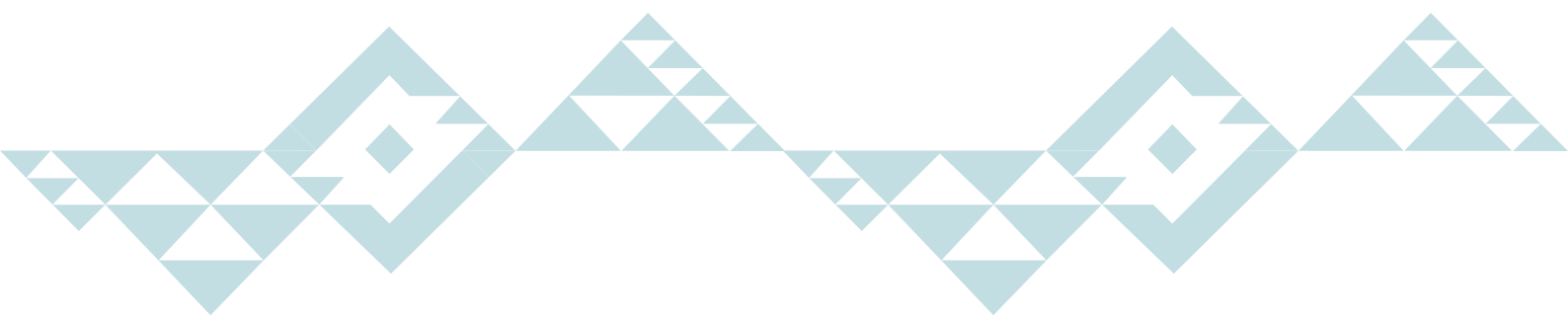


Photo credit: Jason Gardner.



PAE AUAHA

LIVING SMARTLY



*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 future mokopuna in mind.

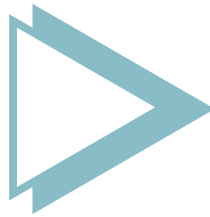
2023 was widely described as the year of Artificial intelligence (AI) hype, with stories on artificial intelligence (AI) dominating the headlines. Led by Pou Pae Auaha Associate Professor Te Taka Keegan, our NPM researchers provided timely critiques of the more extractive aspects of AI, while exploring the creative and ethical ways that AI can improve the quality of peoples' lives and protect what is dear to us. New Matakiteanga projects focused on the development and application of digital tools that can benefit Māori communities, whether planning for rising sea levels, or trying to protect and preserve archaeological sites of cultural significance. A new partnership with Te Kāhui Raranga Charitable Trust provided support for five Raumati interns to work on a diverse range of Māori and iwi data sovereignty projects. We look forward to launching a Pae Auaha FIRST programme in 2024 and building on the huge contribution that NPM researchers and students have made to Indigenous data sovereignty in Aotearoa and worldwide.

Research to nurture wise and ethical technological transformations

NGĀ TĪPAKO | HIGHLIGHTS 2023



NPM and Te Kāhui Raraunga Karahipi partnered to launch the NPM-TKR Karahipi (scholarship) to support Māori data sovereignty capacity and capability.



Pae Auaha researchers appeared on Māori and mainstream media, sharing their expertise on a wide range of issues relating to AI, the census and data sovereignty.



Pae Auaha researchers participated in Indigenous data sovereignty gatherings in Norway, Canada, Hawai'i and Australia.

▶ More than **450** people registered for the NPM Wānanga Paetukutuku webinar on Indigenous data sovereignty.

▶ Funded **2** new Matakiteanga research projects.

▶ Onboarded **1** new PhD scholar and **6** Raumati interns.





3

**Live Matakītenga
projects.**

7

**NPM researchers on live
Matakītenga projects.**

PAE AUAHA

2

**New Matakītenga projects
in 2023.**

1

**PhD full scholarships
since 2021.**



1

PhD support scholarships
since 2021.

1

PhD support scholarships
in 2023.

SNAPSHOT

9

Raumati interns
since 2021.

6

Raumati interns
in 2023/2024.

2

Māori communities
engaged.

MŌ NGĀ URI A MURI AKE NEI

SUPPORTING TE TAI O ARAITEURU INTERGENERATIONAL DECISION-MAKING THROUGH VISUALISING SEA RISE LEVEL.

Lead: Associate Professor Katharina Ruckstuhl (Ngāi Tahu, Rangitāne) (UoO), with Dr Nigel Stanger (UoO), Dr Brendon Woodford (UoO) and Owyn Aitken (Ngāti Raukawa, Tainui) (UoO).

The devastation caused by Cyclone Gabrielle was a sober reminder of the massive challenges facing our coastal communities with rising sea levels and more frequent extreme weather events. Having the right information at the right time is vital so that marae, hapū and iwi can plan for climate change mitigation and adaptation strategies. A new Matakiteenga project led by Ngāi Tahu researcher Associate Professor Katharina Ruckstuhl aims to do just that. Using 3-D modelling, her team will visualise the possible effects of sea level rise on Te Tai o Araiteuru (east coast of Otago) to support local decision-making.

Rising sea levels pose significant threats to coastal resources, including mahinga kai, culturally significant sites like wāhi tapu, and projects like wetland habitat restoration. Large-scale models typically do not offer the kind of granular or culturally significant information that hapū and marae need. Katharina's team will combine local cultural data from Ngāi Tahu's GIS-based cultural mapping website Kā Huru Manu (<https://www.kahurumanu.co.nz/>) with publicly available geophysical data to produce models specific to Te Tai o Araiteuru. The usefulness of the models will be assessed by Aukaha, the environmental consultancy arm of five Otago-based Ngāi Tahu rūnaka.



This project models rising sea levels off Te Tai o Araiteuru, focusing on the Waikouaiti river near Puketeraki marae.

Photo credit: Shutterstock.

TE TAUNAHA I NGĀ TAPUWAE O Ō MĀTOU TĪPUNA PILOTING THE USE OF TRADITIONAL KNOWLEDGE (TK) LABELS BY NGĀ HAPŪ O WAIMĀRAMA FOR THEIR ARCHAEOLOGICAL SITES

Lead: Professor Anne Marie Gillies (Ngāti Kahungunu, Ngāti Awa, Te Whānau-ā-Apanui, Te Arawa) (EIT Host), with Dr Xavier Forde (Ngāti Raukawa, Ngāti Toa Rangatira, Ngāti Huia) (UoW), Dr Janette Hamilton-Pearce (Ngāti Kahungunu ki Wairoa, Ngāti Pāhauwera, Tūwharetoa, Te Whānau-ā-Apanui) (UoW) and Dr Jeremy McLeod (Ngāti Kahungunu, Ngāti Raukawa, Rangitāne) (Waimārama Māori Committee).

The process for formally recording archaeological information about sites – such as pā – has often excluded information from the haukāinga associated with them. In this new Matakitea project, NPM researchers are piloting the use of Traditional Knowledge (TK) labels on Archsite, the online database for the New Zealand Archaeological Association's national archaeological site recording scheme. The project focuses on records associated with the hapū of Waimārama in Hawke's Bay, to ensure that their provenance, protocols and access permissions are properly recorded. This is a significant issue as the modification of all archaeological sites is regulated by

law and Archsite is an important part of the evidence base for regulatory decision-making.

Developed in North America, the TK labels are a tool for communities to express their protocols for accessing, using and sharing their knowledge and data that is held by archives, libraries and museums. Anne Marie and her team are adapting the TK labels to meet the specific requirements of Waimārama hapū, using a process of whānau wānanga and engagement with institutional data-holders. Improving Māori content and data within Archsite will support the recognition of hapū and iwi rights and interests on the records and in relation to their significant locations.

► Watch here

Watch a presentation on the TK labels by Associate Professor Maui Hudson (UoW):

<https://www.youtube.com/watch?v=zyn8ue-wtFU>

WHAKAAWEAWE | INFLUENCING TRANSFORMATION

WĀNANGA PAETUKUTUKU INDIGENOUS DATA SOVEREIGNTY IN ACTION

Indigenous data sovereignty continues to be a hot topic in Te Ao Māori and Aotearoa more broadly, with more than 450 people registering for the NPM Wānanga Paetukutuku webinar “Indigenous data sovereignty in action”. Hosted by Pou Pae Auaha Associate Professor

Te Taka Keegan, the webinar had a stellar line-up of speakers with Māori tech innovators Moka Apiti (Te Kāhui Raraunga), Gianna Leoni (Te Hiku Media) and Lee Timutimu (Arataki Systems).

▶ [Watch here](#)

<https://www.maramatanga.ac.nz/node/2059>



Arataki Systems CEO and founder Lee Timutimu.

INTERNATIONAL COLLABORATION: RESEARCH DATA SOVEREIGNTY

NPM Pou Matarua Professor Tahu Kukutai, Pou Pae Auaha Associate Professor Te Taka Keegan and Hannah Rapata (NPM PhD scholarship recipient 2022) were among a Māori contingent that attended an international workshop in Naarm (Melbourne) on Indigenous data governance within universities. Hosted by the Global Indigenous Data Alliance (GIDA), the workshop drew participants from Indigenous data sovereignty networks in Aotearoa,

Australia, the Pacific, the United States, Canada, Sweden and Norway. The purpose of the workshop was to identify baseline data sovereignty and governance principles for universities and funders, and to share examples of good practice in Indigenous research data management. The workshop resulted in the release of a GIDA communiqué on Indigenous data governance and universities.

► [Read more](#)

NPM Indigenous data sovereignty and universities communiqué. <https://www.maramatanga.co.nz/project/ids22-communique>

Prehn, J.; Taitingfong, R., Rowe, R., Garba, I., Price, C., Hudson, M., Kukutai, T., & Carroll, S. R. (2023). Indigenous data governance & universities communiqué. Global Indigenous Data Alliance. <https://www.gida-global.org/gidacommunique>

Sterling, R., Blake, M., Jones, N., Hartshorn, R., & Kukutai, T. (2023). The research data landscape in Aotearoa New Zealand: A report undertaken in partnership with the Aotearoa New Zealand Committee on Data in Research (CoDiR). <https://doi.org/10.15663/UoW.RDLA.DEC2023>



Some of the participants at the GIDA workshop on Indigenous data governance within universities held in Naarm (Melbourne).

Photo credit: Tahu Kukutai.

IN THE NEWS

2023 CENSUS LOW TURNOUT AND IMPACTS FOR MĀORI: TAHU KUKUTAI

Professor Tahu Kukutai on the lower than expected turnout for the 2023 Census and the potential impacts on the quality of Māori descent and iwi census data.

<https://newsroom.co.nz/2023/04/04/census-turnout-low-despite-37m-blowout/>

<https://www.rnz.co.nz/national/programmes/ninetoonoon/audio/2018893190/where-is-everyone-ten-percent-still-missing-from-the-census>

<https://www.1news.co.nz/2023/04/13/concerns-this-years-maori-census-turnout-worse-than-2018-record-low/>

<https://www.nzherald.co.nz/kahu/collecting-maori-census-data-takes-more-than-just-sending-aunty-to-collect-the-forms/CO2M4NSIKBAN3AKAVS536T5OK4/>

3-D TAONGA PŪORO: MICHAEL STEEDMAN

The UoA Māori Pro Vice Chancellor, Michael Steedman, on work to trial the process of creating a pūtātara or conch shell trumpet using 3-D technology.

<https://waateanews.com/2023/11/08/plastic-and-sawdust-brings-blast-from-the-past/>

DATA A CONCERN IN CYBER-CRIME TREATY: TE TAKA KEEGAN

Associate Professor Te Taka Keegan on the New Zealand Government signing up to the Budapest Convention and the potential risks for Māori.

<https://waateanews.com/2023/04/18/maori-data-concern-in-cyber-crime-treaty/>

AI AND MĀORI DATA SOVEREIGNTY: TE TAKA KEEGAN

Associate Professor Te Taka Keegan on generative AI and Māori data sovereignty.

<https://www.nzherald.co.nz/kahu/ai-concerns-whose-history-will-be-told-asks-maori-data-scientist/FZX2K7TG2BCGDDA5VEJMYBMLOQ/>

<https://www.rnz.co.nz/news/te-manu-korihi/491925/how-will-chatgpt-impact-te-reo-maori-data-sovereignty-experts-weigh-in>

HE WHAI AUAHA ANŌ | MORE NEW WORK

WELCOMING NEW PHD SCHOLARS

HE WHAKAPAPA O NGĀ WHARE TIKANGA MĀORI ME TE URUHI AI I TURE A TE PĀKEHĀ:
A HISTORY OF MĀORI BUILDING PRACTICES AND IMPOSED PĀKEHĀ BUILDING LEGISLATIONS

PhD Scholar: Savannah Brown (Ngāpuhi, Ngāti Hine, Ngāti Whātua ki Kaipara, Ngāti Wai) (UoA).
Supervisor: Deidre Brown (UoA).

2023/2024 RAUMATI INTERNSHIPS

NPM TE KĀHUI RARAUNGA KARAHIPĪ

NPM partnered with [Te Kāhui Raraunga](#) (TKR) on a new scholarship initiative to build Māori data sovereignty capacity and capability. TKR leads the action required to realise the advocacy of the National Iwi Chairs Forum Data Iwi Leaders Group. TKR's aim is to enhance the social, cultural, environmental and economic wellbeing of Māori and to enable iwi, hapū and whānau Māori to access, collect and use Māori data.

the 2023/24 summer break. The interns were supervised by NPM senior researchers at the University of Waikato, University of Auckland and Victoria University of Wellington, and senior technicians at TKR. The interns worked on a range of projects, from producing a series of plain language briefs on Māori data sovereignty topics, to assessing the accessibility and usefulness of Māori electoral roll data.

The new NPM TKR Karahipi supported four interns to work on Māori and iwi data sovereignty projects over

HE TAONGA TE RARAUNGA: MĀORI DATA SOVEREIGNTY RESOURCES FOR WHĀNAU

Interns: Riripeti–Paerau Garner–Forbes (Ngāti Paoa, Ngāti Maniapoto) (UoA) and **Kayla Manuirangi** (Ngāruahine, Ngāti Ruanui, Tūwharetoa, Ngāiterangi, Ngāti Kahungunu) (UoW).

Supervisors: Professor Tahu Kukutai (UoW) and Dr Kiri West (UoA).

EXPLORING THE USEFULNESS OF MĀORI ELECTORAL DATA FOR MĀORI

Intern: **Hannah Overbye** (Ngāti Porou, Te Aitanga a Māhaki, Te Whānau a Kai, Rongowhakaata) (UoA).

Supervisor: Associate Professor Lara Greaves (VUW).

► Read more

Kukutai, T., Campbell–Kamariera, K., Mead, A., Mikaere, K., Moses, C., Whitehead, J., & Cormack, D. (2023). *Māori data governance model*. Te Kāhui Raraunga. <https://www.kahuiraraunga.io/maoridatagovernance>

Te Kāhui Raraunga (2021). *Iwi data needs*. Te Kāhui Raraunga. <https://www.kahuiraraunga.io/iwidadaneeds>

Reo Māori Corpora Format for generative Māori AI

Intern: **Punua Waitoki** (Ngāti Hako, Ngāti Mahanga) (UoW).

Supervisor: Te Taka Keegan (UoW).

In recent years there has been growing concern about overseas technology companies scraping te reo Māori data from the web to build their own speech recognition models. The extractive practices of Big Tech stand in stark contrast to the development of Māori-led initiatives that are combining tikanga Māori and generative AI to support te reo Māori revitalisation. One such project was a Raumati Internship undertaken by Punua Waitoki and supervised by Pou Pae Auaha Associate Professor Te Taka Keegan.

Over the summer Punua investigated which te reo Māori data formats and quantities can be best utilised to build generative AI tools for te reo Māori that uphold Māori data sovereignty. His research helped inform the investigation, cataloguing and transformation of a number of te reo Māori corpora that are currently available. Through the internship, Punua was able to develop a deeper understanding of how generative AI tools are built and of the specific issues relating to the kaitiakitanga of Māori data.

► Read more

Mahelona, K., Leoni, G., Duncan, S., & Thompson, M. (2023). *OpenAI's Whisper is another case study in colonisation* [Blog]. <https://blog.papareo.nz/whisper-is-another-case-study-in-colonisation/>

BUILDING IWI DATA CAPACITY THROUGH TE MANA WHAKATIPU

Intern: **Wallis Irihapeti Oldham Malcolm** (Ngāpuhi, Ngāti Wai).

Supervisor: Tereki Stewart (Te Kāhui Raraunga).

TOOLKIT FOR MĀORI DATA GOVERNANCE MODEL

Intern: **Te Oranoa Matthews** (Te Rarawa Kaiwhare).

Supervisor: Kerri–Anne Hancock (Te Kāhui Raraunga).

HE HUA KUA PUTA | SELECTED OUTPUTS

- Brown, P. T., Wilson, D., West, K., Escott, K.-R., Basabas, K., Ritchie, B., Lucas, D., Taia, I., Kusabs, N., & Keegan, T. T (2023). Māori algorithmic sovereignty: Idea, principles, and use. *arXiv:2311.15473*. <https://doi.org/10.48550/arXiv.2311.15473>
- Carroll, S. R., Chung, P., Kukutai, T., Rowe, R., Siri, S. & Walter, M. (2023). Indigenous data sovereignty. *The state of open data: Histories and horizons*. <https://www.d4d.net/news/indigenous-data-sovereignty-and-the-state-of-open-data/>
- Hudson, M., Carroll, S. R., Anderson, J., Blackwater, D., Cordova-Marks, F. M., Cummins, J., David-Chavex, D., Fernandez, A., Garba, I., Hiraldo, D., Jäger, M. B., Jennings, L., Martinez, A., Sterling, R., Walker, J., & Rowe, R. K. (2023). Indigenous Peoples' rights in data: A contribution toward Indigenous research sovereignty. *Frontiers in Research Metrics and Analytics*, 8, 1173805. <https://doi.org/10.3389/frma.2023.1173805>
- Hudson, P. , Whaanga, H. & Keegan, T. T. (2023). Computing technologies for resilience, sustainability and resistance. *IEEE Annals of the History of Computing*, 45(4), 27–38. <https://doi.org/10.1109/MAHC.2023.3325249>.
- Kukutai, T. (2023). Indigenous data sovereignty – A new take on an old theme. *Science*, 382(6674). <https://doi.org/10.1126/science.adl4664>
- Quigg, R., Kewene, F., & Morgaine, K.C. (2023). Initiating decolonization: from The Last Straw! to Whāriki. *AlterNative*, 19, 495–498. <https://doi.org/10.1177/11771801231167913>
- Ruckstuhl, K., Rout, M., Macpherson, E., & Reid, J. (2023). Safeguarding Indigenous biocultural resources in a global context: A case study of taramea. *AlterNative*, 19(4), 771–783. <https://doi.org/10.1177/11771801231198562>
- Sizemore, R. J. (2023). Te whare tapa whā and Facebook: Online communication with Māori postgraduate students during the 2020 COVID-19 lockdown. *MAI Journal*, 12(2), 257–280. <https://doi.org/10.20507/MAIJournal.2023.12.2.14>





NPM E-PĀNUI: BUDAPEST CONVENTION AND MĀORI

This story featured in the May 2023 issue of our E-Pānui

The Budapest Convention is an international treaty that aims to protect signatories from cybercrime – crimes committed or enabled via the internet – such as cyber-fraud, computer-related fraud, terrorism, and child pornography. Associate Professor Te Taka Keegan, discussed the Convention with government officials in April, alongside other Māori working in the field of technology. He believes the agreement has some benefits for Aotearoa but could be detrimental to Māori without the proper safeguards in place.

The government has already decided to join the Convention, and is now considering the ramifications and ratifications that need to occur to become a full member. Full membership will enable cooperation with other signatories but will also grant foreign governments powers to intercept and access computer networks and data, both current and historic, if they suspect a crime has been committed.

The Convention provides a legal basis for disclosure of domain name registration information and for direct cooperation with service providers for subscriber information and traffic data, and immediate cooperation in emergencies and mutual assistance tools. It is unclear what, if any, personal data protection safeguards will be in place.

Te Taka says the benefit of joining the Convention is that Aotearoa will have access to a wider network of resources and intelligence when addressing cybercrime. “We will have up-to-date information and strategies in preventing cybercrime attacks and terrorism. And it is not just attacks on countries – there’s a lot of malicious behaviour that seriously impacts a wide range of

companies, organisations and individuals. There are people with intentions that are not good who have access to powerful and far-reaching technologies; having engagement with the latest research and methodologies to address these threats is vital. But we must consider at what cost.” He says that while the Convention has some benefits, the Government’s decision to join is just another example of a decision being made for Māori without appropriate authority.

He suggests there needs to be a ‘win-win’ in the drafting of future legislation that is consistent with the Convention but also protects Māori rights, particularly those guaranteed in Article 2 of Te Tiriti o Waitangi.

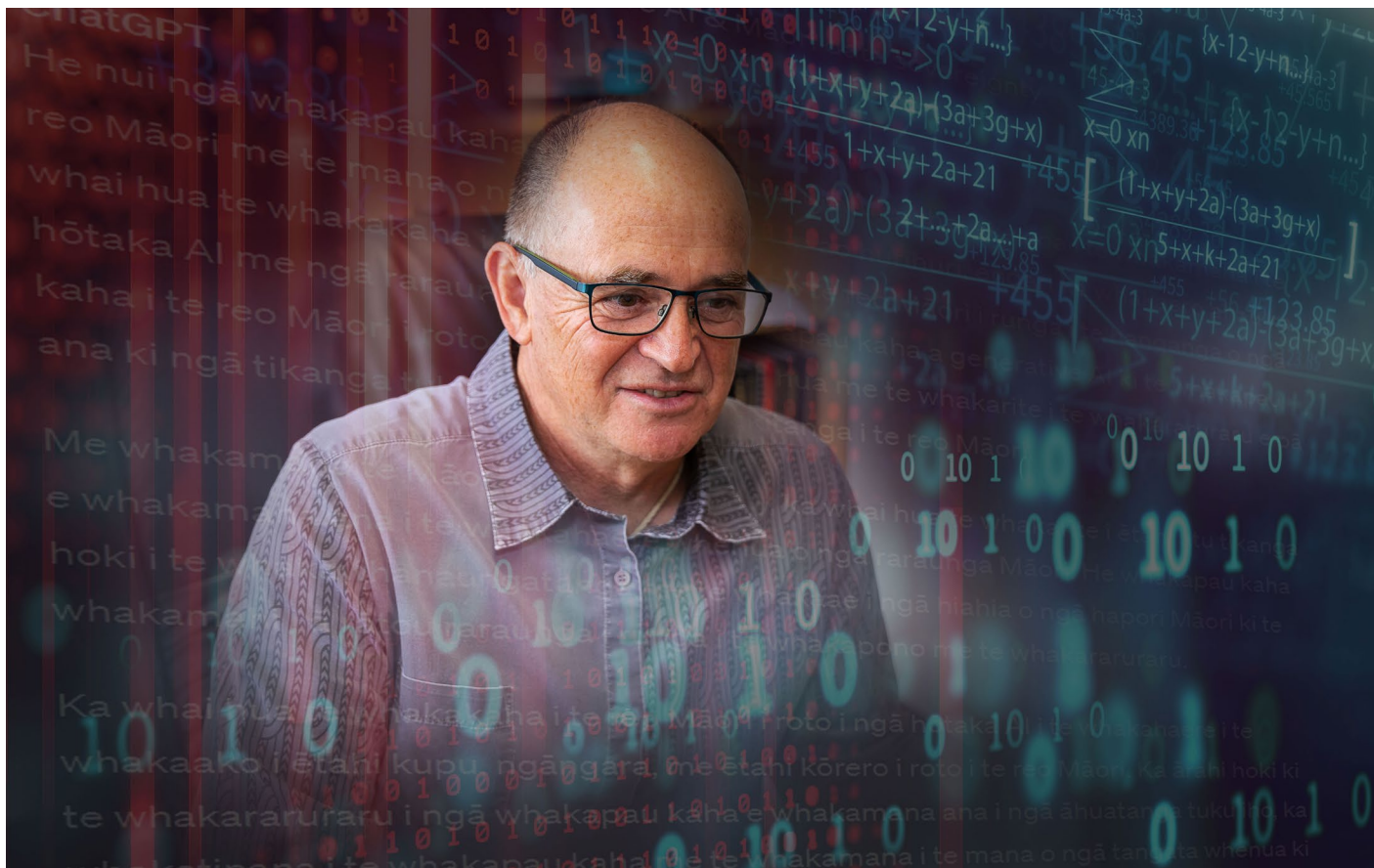
“I can imagine the New Zealand Police having a unilateral opinion on how best to address cybercrime, but it is Māori who best understand Māori data and the risks of surveillance. If protecting Māori data means ceding sovereignty over that data, then it is not worth it,” he says.

This view is supported by some in the legal profession because under the Convention, a signatory country will define what a crime and terrorism is; for example, Indigenous people’s resistance to what the state is doing, including through online activities. The Budapest Convention could give authorities the ability to access Indigenous people’s data not only in their own country, but also to make requests to other signatories for data of their Indigenous people who have relationships with accused “terrorists”. The grounds for rejecting requests under the Convention don’t provide effective safeguards, and the legal experts have called for

legislation to implement the Convention in Aotearoa to include an explicit Tiriti o Waitangi exception. Te Taka agrees with the opinion of legal experts and told the Government that there needs to be a Māori institutional mechanism that receives requests from signatories and can interpret them through a Māori lens while considering Te Tiriti obligations.

Māori, and other Indigenous peoples, could be at risk of similar unjust accusations in the future. Without assurances from the Government and protections in legislation for control over our data sovereignty, as Māori, we need to object,” he says.

“Māori have been accused of terrorism by police in the past, enabled by the internet.”



Computer scientist Te Taka Keegan.
Photo credit: University of Waikato



NGĀ RAUTAKI

OUR STRATEGIES

NGĀ TĪPAKO | HIGHLIGHTS



E-Panui reaching **3395**
people and shared broadly
on social media.



11,324 social media
followers and growing.

► Wānanga Paetukutuku average
audiences of
200–500 registrants.

► Successful delivery of events to
1000+ people.

WORKING WITH THE MEDIA

Media SAVVY

NPM held two highly successful media SAVVY workshops in 2023, bringing together 25 Māori researchers from a wide variety of disciplines. Led by the highly skilled team from the Science Media Centre, participants had the opportunity to pitch their research to journalists from Whakaata Māori, Radio NZ and TVNZ, as well as visiting news rooms at Newshub and Stuff. The workshops have garnered a reputation for developing excellent communicators and our researchers were grateful for the opportunity to hone their media skills and build their profile.



Media Savvy workshop at Waipapa Marae, February 2023.
Photo credit: Cindy McQuade.

GLOBAL CONNECTEDNESS

NPM researchers collaborate internationally on projects addressing critical issues and actively reach out to international experts to advise and collaborate with. NPM hosts international conferences and symposiums attracting scholars from around the world and

supports our researchers to attend global events. NPM's online journal, *AlterNative: An International Journal of Indigenous Peoples*, showcases Indigenous scholarship worldwide. These are just some of the many ways in which NPM participates in the global arena.

ASSOCIATION OF PACIFIC RIM UNIVERSITIES

In November 2023, Pou Matarua Professor Linda Nikora attended the Association of Pacific Rim Universities (APRU) Indigenous and First Nations Knowledges Network meeting held by the University of Melbourne. The Aotearoa team included NPM board member and Pro Vice-Chancellor (Māori) Professor Te Kawehau Hoskins (UoA), Dr Brian Tunui (VUW), Catherine Dunphy (UoA) and Pro Vice-Chancellor (Pacific) Professor Jemaima Tiatia (UoA). Many APRU universities have world-leading departments and programmes in the areas of Indigenous, First Nations, Māori, Pacific, Native American and Latin American Studies. Over the last two decades, more leading universities have introduced international/comparative dimensions to their Indigenous and First

Nations programmes. The NPM team was pleased to be able to participate in network conversations and have the opportunity to bring our learning, experience and research to the fore. In June 2024, Waipapa Taumata Rau will play host to the APRU Presidents' Meeting, a gathering of senior leaders and administrators from the 60 member institutions.

► [Read more](#)

<https://www.apru.org/our-work/university-leadership/indigenous-knowledges-and-first-nations-network/>



APRU

Association of Pacific Rim Universities

GOING GLOBAL WITH DATA SOVEREIGNTY

Many of NPM's researchers in the Pae Auaha space are active participants in the rapidly expanding Indigenous data sovereignty field and movement. Professor Tahu Kukutai, Associate Professor Donna Cormack and Associate Professor Maui Hudson are all founding members of the Māori data sovereignty network Te Mana Raraunga and the Global Indigenous Data Alliance (GIDA), and regularly connect and collaborate with Indigenous data sovereignty researchers around the world. In 2023, Tahu was invited by the newly established GIDA-Sápmi network to give a keynote address at the International Conference on Sámi Research Data Governance in Tromsø, Norway. Supported by the Norwegian Sámi Parliament, the event was an opportunity for Sámi researchers, policymakers, leaders and knowledge-holders to set their own agenda for Sámi data sovereignty.

NPM researchers and postgraduate students also participated at the National Indigenous Data Governance Summit in Cairns, hosted by the Aboriginal and Torres Strait Islander data sovereignty network Maïam Nayri Wingara, and the GIDA workshop in Naarm (Melbourne) on Indigenous data governance within universities. Planning is now underway for a global GIDA Indigenous data sovereignty convention in 2025, with synchronistic gatherings in Aotearoa, Australia, Canada, the United States and Norway planned for the lead-up to the big event.



Tahu Kukutai (centre) in Tromsø, Norway, with colleagues from the GIDA-Sápmi network and the Canadian First Nations Information Governance Centre.

Photo credit: Image supplied

SENIOR RESEARCHERS WRITING RETREAT

The Seniors Writing Retreat is an opportunity for NPM researchers who occupy senior leadership roles in CoREs, National Science Challenges or NPM partner entities, to take time out, write, workshop challenges and strategise new ways forward. The retreat is also a space for collective mentoring, alongside individual one-on-one sessions afforded by Pou Matarua throughout the year. In December 2023, the retreat was held in Pōneke

with Pou Kouna Associate Professor Meegan Hall anchoring discussions for the group. The new coalition government had just announced its 100-day plan and the implications of this was high on the agenda for discussion, as were changes in the tertiary sector. And because the retreat was purposefully held at the end of the working year, participants felt it an appropriate way to segue from work into the holiday period.

OUR COMMUNITIES

Bay of Plenty Regional Council Abuse in Care Royal Commission of Inquiry
Climate Health Aotearoa Kahungunu
Fat Indigenous Wāhine Hastings Kai Tahu Maniapoto
Whakatōhea Centre of Indigenous Science, University of Otago Living Streets Aotearoa
Hokianga
Kai Tahu Hokianga Napier Hastings
Ministry of Primary Industries Kahungunu
Hokianga Mōtītī Marae Ngāti Awa Napier
Kahungunu Ngāti Kuri
Napier Tū Maia National Hauora Coalition
Ngā Kaitiaki o Waipā Ngāi Te Rangi Ngā Hapū o Waimārama Ngāti Tiipa
Ōpōtiki District Council Ngaati Koroki Kahukura
Ngāti Whakaue Education Endowment Board Tapuiwahine
Te Aukume ā Hine te Iwaiwa Ohiwa Harbour Implementation Forum
OraTaiao NZ Climate and Health Council Te Nehenehenui
Te Puna Rongoā o Aotearoa Wāhine Māori nurses
Wāhine Māori nurses Te Tai Tokerau Māori Health Professionals
Waikato Regional Council
Whakatāne District Council
Whakatōhea
OraTaiao NZ Climate and Health Council Whāriki Research
Waimana Kaaku group
West Auckland Te Whānau ā Apanui

TE KUPENGA O MAI

Te Kupenga o MAI remains the sole national Māori and Indigenous network for more than 450 postgraduate and doctoral students across Aotearoa. Underpinned by Kaupapa Māori values, MAI actively develops Māori research capability through a relational network of institutionally based MAI sites, aiming to foster new leaders, academics, community researchers and policymakers. The network is driven by active and dedicated MAI site coordinators who run writing wānanga, workshops, regular site meetings and academic writing retreats. There are also virtual monthly meetings, led by Associate Professor Hinekura Smith, to strategise for collective impact on a national level. The demand for MAI sites, and for support for Māori postgraduate students, increases every year. In 2023, MAI welcomed MAI ki Taranaki Whānui and MAI ki Wairoa, offering opportunities for MAI students on the East and

West Coasts to connect to the network. NPM remains the primary sponsor for MAI activities, but without increased funding, our capacity to expand MAI's support to taurira Māori is constrained.



Te Kupenga o MAI
Māori and Indigenous Scholar Network

TE MAI HUI-Ā-TAU

The MAI hui-ā-tau is the network's flagship event and a calendar highlight. Hosted by MAI ki Manawatū at Te Kunenga ki Pūrehuroa (MU), 130 MAI students came together in November for a vibrant exchange of ideas and camaraderie. Indigenous students from the University of Hawai'i, Macquarie University and Queensland University enriched the event, illustrating

MAI's global reach and its role in fostering international research connections. With increasing MAI student numbers, attendance at MAI hui-ā-tau has had to be capped due to funding constraints. Looking ahead to 2024, the MAI hui-ā-tau will be hosted by MAI ki Tāmaki in November, preceding the 11th International Indigenous Research Conference.



Pōwhiri at the MAI annual conference.
Photo credit: MU.



A contingent from the University of Hawai'i Mānoa stopped by to have brunch with the NPM secretariat at Waipapa Taumata Rau before heading to the MAI conference in Manawatū.

Photo credit: Cindy McQuade.

TE KUPENGA O MAI WHĀNAU

Te Tai Tokerau

Dr Tania Cliffe-Tautari

Aronui

Dr Deborah Heke, Dr Zak Waipara,
Professor Pare Keiha

Waikato

Dr Sarah Jane Tiakiwai

Wairoa

Waireti Rostenberg

Manawatū

Dr Monica Koia, Professor Meihana Durie

Waitaha

Unaiki Melrose

Ōtākou

Professor David Baxter, Dr Rachel Sizemore

Tāmaki

Abigail McClutchie, Olivia Blyth,
Associate Professor Te Kawehau Hoskins

Wairaka

Keisha Rawiri, Associate Professor
Hinekura Smith

Te Matau-a-Māui

Professor David Tipene-Leach,
Sharron Fabish

Taranaki Whānui

Professor Leonie Pihama

Pōneke

Nayte Davis, Dr Mike Ross

Aoraki

Sheree Jahnke-Waitoa

Te Wānanga o Aotearoa

Joni Gordon

CELEBRATING NEW PHD RESEARCH FROM ACROSS THE MAI NETWORK

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Photo credit: MU.

KANAPU

Kanapu Executive Director Vanessa Clark

(Waikato; Ngāti Tiipa, Ngāti Tahinga, Ngāti Āmaru)

Pou Matarua Professor Tahu Kukutai

(Ngāti Tiipa, Ngāti Māhanga, Ngāti Kinohaku, Te Aupōuri)

Kanapu Project Manager Kakahurimu Paekau

(Waikato; Ngāti Māhanga, Ngāti Mahuta)



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

Our Kanapu team are working with Māori researchers, scientists, innovators and knowledge-holders to design unique initiatives to meet Māori aspirations and build a vibrant RSI system. Funded by the Ministry of Business, Innovation and Employment in 2021, the goals of this six-year kaupapa Māori drive strategy are 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 system.

NGĀ TĪPAKO | HIGHLIGHTS

- Website launched as the primary hub for Kanapu activities, information, and resources.
- Hui Hihiri, our national online wānanga, served as a virtual gathering place for hapori Māori, traditional knowledge-holders, researchers, scientists and innovators to foster connections and inspiration.
- Held four regional wānanga to explore themes emerging from Hui Hihiri.
- He Kura Nō te Ao Atua – Te Ao Māori heatmap of RSI ecosystem highlights Māori knowledge and its relationships with Atua domains across Aotearoa.
- Uematarau is launched – a three-part capability- and capacity-building programme for grassroots Māori collectives.
- Our inaugural ranga wānanga welcomed esteemed mātanga Māori to share their diverse expertise and wisdom on Kanapu related topics.

HUI HIHIRI

In April 2023, the Kanapu team hosted Hui Hihiri, a national online wānanga to share, see and hear first-hand from our people about their aspirations for Māori workforce development in rangahau (research-), pūtaiao (science-) and auaha (innovation-) related spaces that are grounded in mātauranga Māori. Hui Hihiri celebrated Māori across research, science and innovation spaces and included leading researchers such as Ruānuku Emeritus Professor Ngahuia Te Awekotuku, Dr Jenny Lee Morgan, Dr Leonie Pihama and Dr Tammy Tauroa.

► [Watch here](#)

<https://vimeo.com/kanapu>

Between May and July 2023, the Kanapu team built on Hui Hihiri through Hui Hihiri ā Rohe – four regional wānanga to better understand regional perspectives, aspirations and opportunities. The following themes were explored in each region: tikanga Māori-led research institute (Wakatū), rangatahi in innovation (Otautahi), oranga hauora ki te tai hauaauru (Whanganui) and organic unconference (Tairāwhiti). Kōrero shared at these hui helped to develop Kanapu's three-year capability and capacity programme – Uematarau.

UEMATARAU FOR GRASSROOTS MĀORI COLLECTIVES

Grassroots Māori collectives are often whakapapa-based or values-based. Prominent in number and operating in diverse spaces, the Uematarau programme seeks to support this under-served and under-resourced sector through a range of activities. These include:

TE AKO RAU

A six-week online programme with a target of three rounds per year. Within the six-week programme, a weekly 90-minute session will support collectives in the early phases of their kaupapa. A 1:1 mentoring session with experienced advisors is offered to participants at the conclusion, geared to ensure clarity of the immediate next steps towards making their vision for their kaupapa a reality.

TŪHONO RAU TANGATA | MĀTANGA TALKS

These talks highlight the leadership journeys of mātanga (specialists) in pūtaiao-, rangahau- and auaha-related mahi, on national fronts and at home. Sharing their personal journeys, these mātanga are ordinary people doing extraordinary things!

TE PAPA AKO

This programme will be developed and launched in 2024 as an ongoing offering to support Te Ako Rau participants to continue their journey.

HE KURA NŌ TE AO ATUA TE AO MĀORI HEATMAP OF RSI ECOSYSTEM

*Tuia i runga
Tuia i raro
Ka rongo te pō
Ka rongo te ao
i te kōrero i te wānanga
Tūturu whakamaua kia tīnā!
Haumi e! Hui e! Tāiki e!*

“We always start with the cosmos or Māori-ology. It begins everything ... the environment in mātauranga Māori is the atua, and the atua, is the environment.” (Hema Wihongi @ Hui Hihiri)

Early on, the Kanapu team recognised the importance of creating Māori visibility, and have done so through a heatmap of the RSI sector. He Kura nō te Ao Atua comprises Atua realms that embody multiple attributes, developed through conversations with those who participated in Hui Hihiri and Hui Hihiri-a-Rohe. He Kura nō te Ao Atua will be made publicly available in early 2024, acknowledging and celebrating that iwi and Māori are most certainly active in the RSI sector.

IN THE NEWS

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(2023, December 14). *Uematarau mentoring for grassroots Māori launched*. Scoop. <https://www.scoop.co.nz/stories/AK2312/S00302/uematarau-mentoring-for-grassroots-maori-launched.htm>



Kanapu partnered with AATEA Solutions, a whānau Māori business based in Hawera, Te Wairoa, Wellington and Christchurch, to progress key kaupapa in 2023.

Photo credit: Supplied.

NPM KNOWLEDGE SHARING

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ALTERNATIVE | AN INTERNATIONAL JOURNAL OF INDIGENOUS PEOPLES

AlterNative is an internationally peer-reviewed interdisciplinary journal published continuously online as well as in quarterly print issues. *AlterNative* publishes scholarly research on Indigenous world views and experiences of decolonisation from Indigenous perspectives from around the world.

Revolutionary in its conception, *AlterNative* has been a primary source of Indigenous scholarship and collaboration with Indigenous communities since 2005. The journal offers a fresh platform for Indigenous scholars to shape their research agendas and establish a new standard of excellence in Indigenous scholarship. The journal highlights Indigenous researchers, documents the evolution of Indigenous methodologies and value systems, and presents cutting-edge Indigenous scholarship. It has fostered an international Indigenous academic community and enhanced understanding of Indigenous academic discourse.

AlterNative covers a wide range of disciplines, including social sciences, humanities, education, health, business and law, and has successfully published general and special issues focusing on Indigenising research in various fields. Notably, *AlterNative* welcomes papers

that critically analyse Indigenous knowledge and development within the context of Aotearoa, serving as a trusted platform for community-generated Indigenous research and scholarship. We look forward to celebrating 20 years of Indigenous scholarship in 2025.

"AlterNative, the largest and most influential international Indigenous journal, is the flagship for Ngā Pae's internationalisation arm. Even from its beginning, it was clear that we would not be a vanity press and so ensured that we had rigorous peer-review standards that included ensuring that we had Indigenous knowledge holders as part of that review process. I have a real love for the journal, reviewing many articles per month over the last 13–14 years." (Co-Editor Professor Tracey McIntosh)

Co-Editors: Professor Tracey McIntosh (Waipapa Taumata Rau) and
Dr Carwyn Jones (Te Wānanga o Raukawa)

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





3

Commentaries.

290

Individual authors.

17/6

Countries/continents.

78

Research articles.

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1

Situation report

23

Google Scholar h-index.

183,024

Full text usage (PDF and
HTML downloads).

MAI JOURNAL | A NEW ZEALAND JOURNAL OF INDIGENOUS SCHOLARSHIP

MAI Journal continues to serve as a cornerstone of Indigenous scholarship. As a multidisciplinary publication, *MAI Journal* is committed to critically analysing and addressing Māori, Indigenous and Pacific issues of significance. Throughout 2023, *MAI Journal* upheld its status as the leading Aotearoa journal of Indigenous scholarship, providing an open-access platform for researchers, scholars and emerging voices. By facilitating rigorous peer-reviewed articles, *MAI Journal* fosters intellectual discourse and advances the understanding of Indigenous knowledge and practices.

The first volume of *Mai Journal* in 2023, Volume 12 Issue 1: Te Koronga Special Issue, commemorated the 10th anniversary of the Te Koronga Māori research and teaching excellence initiative. Established in 2013 at the University of Otago, Te Koronga embodies a commitment to Māori research and teaching excellence grounded in the principles of mauri ora. The Special Issue featured articles authored by tauira, showcasing their masters' research and contributions to scholarship in their fields.

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

Volume 12 Issue 2 exemplified the journal's multidisciplinary nature, featuring articles that spanned diverse research areas that included Post-Settlement Governance Entities (PSGEs), transformation through education, the One Health approach, Māori women's knowledge, and the Pacific Peoples' housing crisis. These contributions underscored the breadth and vitality of Indigenous research in Aotearoa.

"We are both proud to continue the concrete commitment MAI Journal made to the bookshelf of Māori and Indigenous scholarship at its inception. Our contributors continue to respond critically to the turbulent shifts of our time, when sound and safe repositories of robust thought are so desperately needed. The world of academia is changing, and our audience deserves a scholarly presence that aims to navigate new waters with a brave morality."
(Co-Editors Associate Professor Te Kawehau and Dr Vincent Olsen-Reeder)

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





3

Commentaries.

290

Individual authors.

17/6

Countries/continents.

78

Research articles.

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1

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23

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NPM WHĀNAU

NGĀ KAITOHUTOHU

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Pou Pae Ahurei (VUW; from August 2023)

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Zoe Henry
Senior Research Operations Coordinator (UoA)

TE TAHA PŪTEA | FINANCIALS

NGĀ PAE O TE MĀRAMATANGA TEC FINANCIAL REPORT

	2023 ACTUAL
Funding received from TEC	5,000,000
Surplus/Deficit carried forward	3,593,807
Total CoRE funding	8,593,807
Salaries	
Director and Principal Investigators	602,533
Associate Investigators	36,556
Post Doctoral fellows	- 11,895
Research/Technical assistants	61,108
Others	681,787
Total Salaries & Salary-related costs	1,370,090
Other Costs	
Indirect Costs:	
Overheads	1,457,833
Direct Costs	
Project Costs	424,142
Travel	89,695
Postgraduate Students	500,337
Subcontractor(s) specified	345,734
Extraordinary Expenditure (specified)	-
Total Other Costs	2,817,742
Total Expenses	4,187,832
Net Surplus/(Deficit)	4,405,975
Other Income	
Other income	1,000,000
Other expenses	1,227,000
Net Surplus/(Deficit) including Other Income	4,178,975

CENTRE SUMMARY 2023 (1 JANUARY TO 31 DECEMBER 2023)

Broad category	Detailed category	Yr 2 (2023)
Value of CoRE funding from TEC (\$M)		\$ 5,000,000
FTEs	Principal investigators	32.68
by category	Associate investigators	5.08
	Postdoctoral fellows	1.7
	Research technicians	0.2
	Administrative/support	7.7
	Research students	9.45
	Total	56.81
Headcounts	Principal investigators	102
by category	Associate investigators	64
	Postdoctoral fellows	2
	Research technicians	5
	Administrative/support	11
	Student Researcher	47
	Total	231
Peer reviewed research outputs	Books	3
by type	Book chapters	10
	Journal articles	166
	Invited conference keynote/presentation	13
	Prizes and distinctions	24
	Other (PBRF category)	263
	Total	479
Commercial activities	Number of licenses	-
	Income from licenses	-
	Patent applications	-
	Patents granted	-
	Invention disclosures	-
	Spinouts (note whether cumulative or actual)	-
	Capitalisation value of spinouts	-
Students studying at CoRE	Doctoral degree	177
by level	Masters	73
	Other	52
	Total	302
Number of students completing	Doctoral degree	14
Qualifications by level	Other	20
	Total	34



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