

WĀNANGA PROGRAM

TE TAI PARI WĀNANGA

WHAT WILL IT TAKE TO
TRANSFORM TAIRĀWHITI INTO A WORLD
LEADER IN SUSTAINABLE MARINE
ECONOMIC DEVELOPMENT?

THE EMERALD HOTEL - GISBORNE
13 & 14 SEPTEMBER 2018

Kia Ora - Welcome

Te Tairāwhiti boasts some 270km of coastline. This is one of our strongest assets – fishing, diving, surfing and summers at the beach are legacies left to those who have grown up here.

Hikurangi Enterprises are pleased to convene this wānanga to look at opportunities in growing a marine economy that is commercial, sustainable, and considers the best interests of the resource and the people who steward it.

New Zealand is responsible for the fourth largest Exclusive Economic Zone (EEZ) in the world. With the Extended Continental Shelf, our marine estate is more than 20 times the size of our land area. This vast region supports enormous quantities of natural resources, much of which are yet to be explored. The seafood

industry, including aquaculture, currently contributes \$1.8 billion to the economy and generates exports of \$1.5 billion. While the wild fisheries sector is well developed and close to capacity, exciting opportunities exist for value-added products. There is significant potential for growth and diversification in aquaculture, with a sector growth target of \$1 billion by 2025.

Marine and coastal areas also have significant cultural value. While opportunities exist to create economic opportunities for hapū in Te Tairāwhiti, there are many issues that need addressing; for example, improved resource management strategies, and more inclusion of hapū and iwi in decision making. We need better transparency of research and collaboration with science driven institutions, clarity and respect between partners (hapū, researchers and investors) and appropriate mechanisms for protection of intellectual property.

Addressing these issues is fundamental to encouraging investment in our marine economy and is something Hikurangi Enterprises hopes to contribute to throughout this wānanga.



We wish to acknowledge our sponsors who have partnered with us to bring this kaupapa to Tairāwhiti.

Program

RĀ TUATAHI
DAY 1



10^{AM} **Karakia - Mihi Whakatau**
Notices. Opening Address:

Kiritapu Allen, Labour
Party MP

10.15 **Panel Session:** Local Hapū
Aspirations and Priorities: A
look at the Ngāti Porou FSSB
Agreement

10.35 Q&A

10.45 **Case Study:** Bioactives from
East Coast Kina, Dr Matt Miller

11.00 Q&A

11.10 **Morning Tea (provided)**

11.35 **Ngāti Porou Seafoods Ltd:**
An Iwi Fisheries Response
to Growing the Blue Economy,
Ken Houkamau

11.50 Q&A

12^{PM} **Keynote Speaker:**
Mapping Marine
Bioactives in Tairāwhiti,
Prof Chris Battershill

12.30 Q&A

12.35 **Lunch Break**

*Attendees Are Asked to Provide
Their Own Lunch*

1.30 **Panel Session:** What Is the
Sustainable Seas Science
Challenge, Dr Julie Hall and
Challenge Leaders

2.00 Q&A

2.10 Mapping and Modeling a Novel
and Sustainable Blue Economy,
Dr Daniel Hikuroa

2.25 Q&A

2.35 Measuring Marine Ecosystem
Services and Assessing
Impacts, Dr Andrew Lohrer

2.50 Q&A

3^{PM} **Afternoon Tea (provided)**

3.25 Whai Rawa, Whai Mana, Whai
Oranga, Dr Jason Mika

3.40 Q&A

3.50 **Te Tāhuhu o Matatau:**
Building an Information
Repository of Western Science
Tools to Assist Kaitiaki,
Regan Fairlie

- 4.05** Q&A
- 4.15** Ecology and Evolution of New Zealand Marine Molluscs with Particular Focus on Sea Snails, Dr Simon Hill
- 4.30** Q&A
- 4.40** **Agrisca:** A Family Owned Business that Uses Bioactives
- From Seaweed For Better Soil, Plant, Animal and Human health, Tane and Clare Bradley
- 5.00** Q&A
- 5^{PM}** **Plenary and Wrap Up**
- 5.30** **Closed Session:** Hapū Kina Project Participants

- 9^{AM}** **Arrivals**
- 9.10** **Welcome and Notices**
- 9.20** Intellectual Property Issues and Concerns With Commercialisation of Taonga Species, Tracey Whare
- 9.40** Q&A
- 9.50** **Panel Session:** Building Partnerships Across Stakeholders to Progress and Develop Initiatives
- 10.20** Q&A
- 10^{PM}** **Morning Tea** (*provided*)
- 11.00** **Speed Dating Breakout**
Session: A Range of Agencies Will Be Present to Answer Questions From Individuals, Hapū and Other Community Groups
- 12^{PM}** Feedback From Breakout Session
- 12.30** Facillitated Group Session and Next Steps
- 12.30** **Hui Closed**

Ngā Kaikōrero - Speakers

Ngarangi Walker

MC

TE WHANAU Ā RĀKAIROA, NGĀTI POROU

Ngarangi is born and bred in Ruatoria, over the years she has worked in broadcasting, public service, tertiary education, primary sector and more recently has taken up a role at ESR Crown Research Institute. Ngarangi has a Masters in Management Studies and completed the Kellogg Rural Leadership Programme at Lincoln University. She has been an active contributor to a range of issues that affect her hapū and iwi and has advocated for better outcomes for whānau.

Dr Julie Hall

Sustainable Seas Challenge:

Director

Julie heads the Sustainable Seas Challenge under NIWA. She has extensive experience in biological oceanography and has led

many large multidisciplinary research projects. As the international chair of the Integrated Marine Biogeochemistry and Ecosystem Research (IMBER) she was responsible for leading the development and implementation of the multidisciplinary Science Plan that addressed the interaction of marine biogeochemistry and ecosystems and their response to global change.

Linda Faulkner

SSC Tangaroa: Program Leader

NGĀTI RANGI, WHANGANUI

Linda leads the Tangaroa program challenge. She has worked for many years in the environmental management sector and has spent much of her career seeking to facilitate recognition and application of mātauranga Māori in mainstream environments. Linda will elaborate on the Sustainable Seas Challenge and the types of research under her leadership.

James Whetu

*SSC Vision Matauranga:
Program Leader*

WAIKATO-TAINUI, NGĀTI TŪWHARETOA, RAUKAWA

James has a background in resource management planning with a Bachelor of Tourism, majoring in Resource, Impacts and Environmental Planning. He is currently working towards completing his Masters in Resource and Environmental Planning. James will elaborate on the Sustainable Seas Challenge and the types of projects under his leadership.

Agnes Walker

Te Aitanga a Mate, Te Whānau a Hinekehu, Te Aowera

Agnes is based in Ruatōria and has been involved for many years in hapū kaitiakitanga with a focus on the coastal marine area. She will discuss collective ownership (coastal marine title), the Ngā Hapū o Ngāti Porou Foreshore

and Seabed Agreement and associated responsibilities of hapū to protect and prosper from the moana.

Nikki Searancke

Chairperson Nuhiti Q Inc.

NGĀTI WAKARARA, NGĀTI HAU, NGĀTI ONEONE,

WAIKATO-MANIAPOTO NGAWAERO

Nikki was born and raised in Gisborne. She assisted with bringing Wakarara Hau and Ngāti Oneone into the Ngā Hapū o Ngāti Porou Foreshore and Seabed Deed. She previously worked as the Greenpeace Oceans Campaigner. Her role on the Nuhiti farmlands has kept her very busy in recent years. She firmly believes that our whenua and moana are intertwined in the history of our ancestors; as kaitiaki, our role is to hand on the tikanga of our ancestors to our next generation.

Ngā Kaikōrero - Speakers

Continued

Ken Houkamau

Ngāti Porou Seafoods Ltd

TE WHĀNAU A TŪWHAKAIRIORA

Ken is the quota and resources manager responsible for managing, protecting and optimally utilising seafood resources of Ngāti Porou. This includes reporting and submitting on fisheries and resource management issues, sustainability decisions and rights protection. He will discuss Ngāti Porou Seafoods priorities and interaction with hapū management entities and other commercial interests.

Dr Matt Miller

Cawthron Institute

Matt is a lipid chemist working for the Cawthron Institute in Nelson, with over a decade of research experience looking into the chemistry and novel sources of marine oils, in particular omega 3. Matt received his PhD at the Uni of Tasmania (UTAS) with collaboration from the

CSIRO Food Futures Flagship in 2007.

Matt is working with Hikurangi Bioactives to investigate the therapeutic potential of kina extracts to treat diabetes, heart disease and other serious conditions supported by funding from the Sustainable Seas National Science Challenge.

Dr Sarah Bond

Massey University

Sarah is working with Dr Matt Miller, exploring how kina bioactives influence bone health status and the immune response. This initially involves exposing cells to the colourful extracts from kina that have been purified and supplied by hapū and Matt. Sarah was born in the Manawatū, and currently lives in Feilding. Before working on this project she focused on molecular and cancer biology.

Regan Fairlie

Manaaki te Awanui

NGĀTI POROU

Regan grew up in Tokomaru Bay and has always enjoyed fishing, diving, surfing and swimming within the marine environment. The past 10 years he has taken up studies in marine biology and been dedicated to reconnecting rangatahi to their Takutai Moana. He hopes to support the economic development of rural economies through investigation and establishment of viable aquaculture opportunities. He is keen to be part of accessing tools that encourage the sustainable use of marine resources, and supports greater governance of marine resources by hapū and iwi.

Dr Andrew Lohrer

NIWA

Dr Drew came to New Zealand from Southern California in 2002 and is now

Principal Scientist and Group Manager of the Marine Ecology team at NIWA Hamilton. He leads estuarine and coastal research projects in New Zealand and beyond, investigating factors affecting coastal seafloor biodiversity and functioning. Dr Lohrer will be speaking about a Sustainable Seas project titled Measuring Ecosystem Services and Assessing Impacts, which is bridging the gap between biologically mediated ecosystem processes and the values that humans derive from the marine environment.

Prof Christopher Battershill

Waikato University

Chris heads the Coastal Marine Group in the Faculty of Science and Engineering at Waikato University. He is the inaugural Director of the Coastal Marine Field Centre in Tauranga. Formerly Principal Scientist and Research Team Leader (Supporting Sustainable Use of Marine

Ngā Kaikōrero - Speakers

Continued

Biodiversity) at the Australian Institute of Marine Science (AIMS) and a Program Leader at NIWA, his research spans the tropics to the Antarctic and focuses on marine ecology, and environmental science, and biodiscovery for medicinal and agricultural sectors. Chris will discuss ideas for Measuring Marine Bioactives in Tairāwhiti.

Dr Simon Hills

Massey University

Has connections to Te Tairāwhiti his father was raised at Patutahi. He specialised in Genetics at University and did a PhD in evolutionary biology. Simon's primary research interest is in the study of the ecology and evolution of New Zealand marine molluscs. His work involves gathering specimens and data from the field, curation of specimen collections, data generation in a molecular biological laboratory, and computer-based analysis using a wide variety of software packages.

Dr Jason Mika

Massey University

NGĀI TŪHOE, WHAKATŌHEA, NGĀTI AWA,
NGĀTI KAHUNGUNU

Jason is a senior lecturer with the Massey Business School and co-director of Te Au Rangahau, Massey's Māori Business and Leadership Research Centre. Jason will present his perspectives on opportunities for developing the Māori Marine Economy and Characteristics of Successful Maori Entrepreneurs.

Tracey Whare

RAUKAWA, TE WHĀNAU A APANUI

Tracey studied law at Victoria University of Wellington before heading to the United Nations Permanent Forum on the Indigenous Peoples where she helped draft the UN Declaration on the Rights of Indigenous Peoples. Tracey has worked as a Technical Advisor to the Monitoring Mechanism of the National Iwi Chairs

Forum. Her work currently focuses on matters related to Māori resources, such as freshwater, land development, Treaty rights and intellectual property.

Dr Daniel Hikuroa

University of Auckland

NGATI MANIAPOTO, TE ARAWA, TAINUI

Dan is an Earth System Scientist with interests in the integration of mātauranga Māori and science to realise indigenous development. He completed his PhD in Earth Science and Geology. Dan is part of a team studying New Zealand-based initiatives to create economic value from sustainable marine practices and activities. They have considered five broad and overlapping marine sub-economies (iwi, techno-science, commodity, community, and small business) and are investigating connections between them.

Tane Bradley (CE) and Clare Bradley (Business Development Manager)

AriseaNZ Ltd

Tane and Clare are a husband and wife team, the second generation to run the family owned company founded 25 years ago under the name Ocean Organics. Agrisea is a multi-award winning, Paeroa-based company manufacturing high quality liquid seaweed concentrates, seaweed solid products, seaweed salt blocks and animal pellets from a New Zealand seaweed species called *Ecklonia radiata*. Seaweed is one of the most complex elements and provides a smorgasbord high nutrition ‘feast’ for soil biology, plant and animal health.



Hikurangi Enterprises supports community-led economic development in the communities between Waipiro Bay and Rangitukia on the East Coast of the North Island of New Zealand. Economic development means more than raising household incomes and entrepreneurship; it also means families being able to live well off the land and sea.

The ventures and partnerships that are part of Hikurangi Enterprises are designed to generate income for shareholders, create local employment and improve local biodiversity. Our research projects on kākūka and kina are generating exciting results in the laboratories of leading New Zealand research institutes, and two kākūka products are about to go into clinical trials. Our cannabis company was recently granted the first medical cannabis license in New Zealand.