

# 2019–2024 research themes and projects

## Tangaroa

Beth Tupara-Katene  
Awatea Consulting

**T1: Awahi Mai Awahi Atu: Enacting a kaitiakitanga-based approach to EBM**

Kura Paul-Burke, *University of Waikato*  
Richard Bulmer, *NIWA*

**T2: Huataukina o hapu e!**

Ngarangi Walker, *AgFirst Ltd*  
Ian Ruru, *Maumahara Consultancy Services Ltd*

**T3: Ngā Tohu o te Ao: Maramataka and marine management**

Caine Taiapa & Waiaria Rameka,  
*Manaaki Te Awanui*

**T4: Te Tāhuhu Matatau: Empowering kaitiaki of Tangaroa**

Caine Taiapa & Regan Fairlie,  
*Manaaki Te Awanui*

**T5: He Kāinga Taurikura ō Tangitū: Treasured Coastal Environment**

Kelly May, *NIWA*

## Degradation and recovery

(Understanding degradation and recovery)

Conrad Pilditch  
*University of Waikato*

**1.1: Ecological responses to cumulative effects**

Simon Thrush, *University of Auckland*  
Kura Paul-Burke, *University of Waikato*

**1.2: Spatially-explicit cumulative effects tools**

Carolyn Lundquist, *NIWA*

## Blue economy

(Creating value from a blue economy)

Nick Lewis  
*University of Auckland*

**2.1: Transitioning to a blue economy**

Nigel Bradly, *Envirostrat*

**2.2: Restorative marine economies**

Drew Lohrer, *NIWA*  
Nigel Bradly, *Envirostrat*

**2.3: Indigenising the blue economy in Aotearoa**

John Reid, *University of Canterbury*  
Jason Mika, *Massey University*

**2.4: Growing marine ecotourism**

Simon Milne, *AUT*  
Chris Rosin, *Lincoln University*

**2.5: Building a seaweed sector**

Serean Adams, *Cawthron*

## Innovation Fund

**2.11: Pātangaroa hua rau: The bioactive potential of sea-stars**

Matt Miller, *Cawthron*  
Kura Paul-Burke, *University of Waikato*  
Mathew Cumming, *Plant and Food Research*

**2.12: Kohunga Kutai - Creating a sustainable supply of seed mussels**

Andrew Jeffs, *University of Auckland*  
Nicola MacDonald, *Ngāti Manuhiri Settlement Trust*

**2.13: Algae sun defence**

Mike Packer & Tom Wheeler,  
*Cawthron*

**2.14: Whakaika te Moana**

Te Rerekohu Tuterangiwhiu, *Cawthron*

**2.15: Thinking outside the can: engineering toheroa aquaculture**

Phil Ross, *University of Waikato*  
Taoho Patuawa, *Te Roroa*

**2.16: A novel approach to aquaculture in Aotearoa NZ: Growing community wellbeing with Pātiki tōtara**

Simon Muncaster, *University of Waikato*

**2.17: Kia tika te hī ika: Exploring fisheries tikanga and mātauranga amongst the ICP Iwi Partners**

Maru Samuels, *Iwi Collective Partnership*  
Irene Kereama-Royal, *Ngā Wai A Te Tūi Māori & Indigenous Research Centre*

**2.18: Quantifying and reducing interactions between commercial fishing gear and the seafloor in New Zealand**

Oliver Wilson, *FINZ*

## Risk and uncertainty

(Addressing risk and uncertainty)

Judi Hewitt  
*NIWA*

**3.1: Perceptions of risk and uncertainty**

Paula Blackett, *NIWA*  
Shaun Awatere, *Manaaki Whenua*

**3.2: Communicating risk and uncertainty**

Joanne Ellis, *University of Waikato*  
Fabrice Stephenson, *NIWA*

**3.3: Risks to businesses from investment and environmental uncertainty**

TBC

## Enhancing EBM practices

Karen Fisher  
*University of Auckland*

**4.1: Treaty relationships and EBM**

Robert Joseph, *University of Waikato*  
Beth Tupara-Katene, *Awatea Consulting*

**4.2: Policy and legislation for EBM**

Steve Ulrich, *University of Lincoln*  
Elizabeth Macpherson, *University of Canterbury*

**4.3: Enabling kaitiakitanga and EBM**

Lara Taylor, *Manaaki Whenua*  
Meg Parsons, *University of Auckland*

## EBM and blue economy in action (Synthesis)

Chris Cornelisen  
*Cawthron*

**S1: Hawke's Bay regional study**

Carolyn Lundquist, *NIWA*  
(2 stages)

**S2: Synthesis of Tasman Bay and Golden Bay Phase I research**

Emma Newcombe, *Cawthron*  
(2 stages)

**S3: Synthesis of Tangaroa Phase I Research**

Lara Taylor, *Manaaki Whenua*  
Jason Mika, *Massey University*

**S4: Measuring progress towards Ecosystem Based Fisheries Management – developing a monitoring and indicator framework for the Hauraki Gulf Marine Park**

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**S5: Waikato Regional Council Coastal Plan Review**

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**S6: Ecosystem-based management of shellfish in the Marlborough Sounds**

Vonda Cummings, *NIWA*

### Key



Active/  
complete



In  
development

### About the Innovation Fund

This fund is for innovative research in partnership with enterprise and business organisations, that will help build a blue economy in Aotearoa New Zealand.

Sustainable Seas supports these small, short-term projects with up to \$250k for 2 years; innovation fund project partners provide co-funding or funding in kind.