

# 2019–2024 research themes and projects

<b>Tangaroa</b> Shaun Awatere Manaaki Whenua	<b>Degradation and recovery</b> (Understanding degradation and recovery) Conrad Pilditch University of Waikato	<b>Blue economy</b> (Creating value from a blue economy) Nick Lewis University of Auckland		<b>Risk and uncertainty</b> (Addressing risk and uncertainty) Judi Hewitt NIWA	<b>Enhancing EBM practices</b> Karen Fisher University of Auckland	<b>EBM and blue economy in action (Synthesis)</b> Chris Cornelisen Cawthron
<b>T1: Awahi Mai Awahi Atu: Enacting a kaitiakitanga-based approach to EBM</b> Kura Paul-Burke, University of Waikato Richard Bulmer, NIWA	<b>1.1: Ecological responses to cumulative effects</b> Simon Thrush, University of Auckland Kura Paul-Burke, University of Waikato	<b>2.1: Transitioning to a blue economy</b> Nigel Bradly, Envirostrat	<b>Innovation Fund</b>	<b>3.1: Perceptions of risk and uncertainty</b> Paula Blackett, NIWA Shaun Awatere, Manaaki Whenua	<b>4.1: Treaty relationships and EBM</b> Beth Tupara-Katene, Awatea Consulting	<b>S1: Hawke's Bay regional study</b> Carolyn Lundquist, NIWA (2 stages)
<b>T2: Huataukina o hapu e!</b> Ian Ruru, Maumahara Consultancy Services Ltd	<b>1.2: Spatially-explicit cumulative effects tools</b> Carolyn Lundquist, NIWA	<b>2.2: Restorative marine economies</b> Drew Lohrer, NIWA Nigel Bradly, Envirostrat	<b>2.11: Pātangaroa hua rau: The bioactive potential of sea-stars</b> Matt Miller, Cawthron Kura Paul-Burke, University of Waikato Mathew Cumming, Plant and Food Research	<b>3.2: Communicating risk and uncertainty</b> Joanne Ellis, University of Waikato Fabrice Stephenson, NIWA	<b>4.2: Policy and legislation for EBM</b> Elizabeth Macpherson, University of Canterbury Eric Jorgensen, Ocean Bay Farms	<b>S2: Synthesis of Tasman Bay and Golden Bay Phase I research</b> Emma Newcombe, Cawthron (2 stages)
<b>T3: Ngā Tohu o te Ao: Maramataka and marine management</b> Caine Taiapa & Waiaria Rameka, Manaaki Te Awanui	<b>1.3: Modelling community-based outcomes</b> Simon Thrush, University of Auckland Kura Paul-Burke, University of Waikato/ MUSA Environmental Eva Siwicka, University of Auckland	<b>2.3: Indigenising the blue economy in Aotearoa</b> John Reid, University of Canterbury Jason Mika, Massey University	<b>2.12: Kohunga Kutai - Creating a sustainable supply of seed mussels</b> Andrew Jeffs, University of Auckland Nicola MacDonald, Ngāti Manuhiri Settlement Trust	<b>3.3: Upholding the value of Paua Quota</b> Stephen Fitzherbert, NIWA Katherine Short, Terra Moana Tony Craig, Terra Moana	<b>4.3: Enabling kaitiakitanga and EBM</b> Lara Taylor, Manaaki Whenua Dan Hikuroa, University of Auckland	<b>S3: Synthesis of Tangaroa Phase I Research</b> Lara Taylor, Manaaki Whenua Jason Mika, Massey University
<b>T4: Te Tāhuhu Matatau: Empowering kaitiaki of Tangaroa</b> Caine Taiapa, Manaaki Te Awanui		<b>2.4: Growing marine ecotourism</b> Simon Milne, AUT Chris Rosin, Lincoln University	<b>2.13: Seaweed sun defence</b> Mike Packer & Tom Wheeler, Cawthron		<b>4.4: Understanding and communicating the various implications of scale for EBM</b> Joanne Ellis, University of Waikato	<b>S4: Measuring progress towards Ecosystem Based Fisheries Management – developing a monitoring and indicator framework for the Hauraki Gulf Marine Park</b> Darren Parsons, NIWA Ali Schwaab, MPI (2 stages)
<b>T5: He Kāinga Taurikura ō Tangitū: Treasured Coastal Environment</b> Kelly May & Leigh Tait, NIWA Hayley Lawrence, Maungaharuru-Tangitū Charitable Trust (MTCT)		<b>2.5: Building a seaweed sector</b> Serean Adams, Cawthron	<b>2.14: Whakaika te Moana</b> Te Rerekohu Tuterangiwhiu, Cawthron			<b>S5: Waikato Regional Council Coastal Plan Review</b> Julie Hall, NIWA
			<b>2.15: Thinking outside the can: engineering toheroa aquaculture</b> Phil Ross, University of Waikato Taoho Patuawa, Te Roroa			<b>S6: Ecosystem-based management of shellfish in the Marlborough Sounds</b> Vonda Cummings, NIWA
			<b>2.16: A novel approach to aquaculture in Aotearoa NZ</b> Simon Muncaster, University of Waikato			<b>S7: Ki uta ki tai: estuaries thresholds and values</b> Drew Lohrer, NIWA
			<b>2.17: Kia tika te hī ika: Exploring fisheries tikanga and mātauranga</b> Maru Samuels, Iwi Collective Partnership Irene Kereama-Royal, Ngā Wai A Te Tūi Māori & Indigenous Research Centre			
			<b>2.18: Quantifying seafloor contact</b> Oliver Wilson, FINZ			

**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.