

# Coastal People: Southern Skies

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# CPSS Purpose

## Executive summary

Aotearoa New Zealand is a coastal nation in the Pacific with over 15,000 km of coastline. Seventy five percent of all New Zealanders live within ten kilometres of the coast. We are coastal people, at home in the constant and dynamic dance between land and sea. Coastal people and coastal communities have an inherent connection to coastal ecosystems, and their culture, local economy and wellbeing are dependent on these ecosystems thriving. Coastal environments and the wellbeing of coastal communities have declined in concert with ecosystem degradation. Broader global-driven changes will be further exacerbated by intensification of climate change, extreme weather events, ocean warming, sea level rise and ocean acidification; all of which will affect community wellbeing. Anthropogenic impacts such as resource extraction, development, over-fishing and pollution have contributed to unprecedented change.

Coastal People: Southern Skies (CPSS) is a National Centre of Research Excellence.

Our **vision** is **mauri ora** of coastal communities.

Our **mission** is to connect, understand and restore the mauri of coastal ecosystems with communities of Aotearoa New Zealand and the Pacific through transformative research, capability and capacity building.

Our **values** are central to all that we do, and all our actions are underpinned by these values; our values are based on **KAITIAKITANGA** and **MANA**.

**Kaitiakitanga** is an ethic of spiritual and physical guardianship. Kaitiakitanga is the practical application and action of mana. Mana is power and prestige. We recognise the inherent mana of this kaupapa, of the moana, of the communities we work with, and of all who are connected to CPSS.

We utilise this acronym to operationalise Mana on a day-to-day basis for our members:

**Mana** is:

**MEANINGFUL**

**AUTHENTIC**

**NATURAL**

**ACCOUNTABLE**

Mana includes mana atua (mana derived from the deities); mana moana (mana derived from the ocean); mana whenua (mana derived from the land); and mana tangata (mana derived from people). In CPSS, we have utilised these concepts as our operating principles: Mana atua (Our Community); Mana moana (Our Work); Mana whenua (Our Pūtea/Economy); and Mana tangata (Our People).

In 2025-2028 our strategic focus is to balance the waka to wellbeing as highlighted in [Strategic Goals of CPSS](#).

CPSS recognises that the investment in Centres of Research Excellence is intended to promote growth in research excellence and the development of world-class researchers in areas of existing excellence that are important to Aotearoa New Zealand's future development.

We recognise that the students we train are the leaders of tomorrow, be that in industry, policy, education or research. We work closely with coastal communities and our research programme is embedded within community anchor site regions across Aotearoa. Our

students and researchers have opportunities afforded to them that contribute to their growth and development outside of the “traditional” tertiary environment and many are now working in collaboration with our community-based researchers.

CPSS has assembled a cross-disciplinary research team to achieve its research goals. Our kaupapa is symbolised by two voyaging waka (canoe) together with Te Pae Māhutonga (the Southern Cross) - reflecting the adventurous spirit of Coastal People: Southern Skies (Figure 1). The two voyaging waka are: our existing research waka; and a new Tangata Moana Pacific led research waka. There are two tumu (moorings) that both waka lash to: Monitoring, and Outreach. Te Pae Māhutonga is a marker and connector of the Pacific. It is a navigational aid to denote south, and links Tā (Sir) Mason Durie’s model of wellbeing of the same name. Durie’s model focuses on mauri ora (cultural identity); waiora (physical environment), toiora (healthy lifestyles), te oranga (participation in society), ngā manukura (community leadership) and te mana whakahaere (autonomy). Te Pae Māhutonga reflects our location, shared history, and connections as coastal people of the Pacific.

The existing research waka has two foundations: a **Marine** hull and a **Wellbeing** hull. The kaupapa (platform of the waka) is the research platform themes that join the two hulls. The research platform themes are: (1) **Connecting**; (2) **Understanding**; and (3) **Restoring**. These three themes advance kaitiakitanga and the vision of mauri ora for CPSS. All of the research activities in CPSS align with one or more of these themes. The aukaha lashings of the waka represent our capability and capacity building approach for **Training**. The two sails represent: **Voyages** and our voyaging community; **Innovations** is seeding new ideas, opportunities and collaborations.

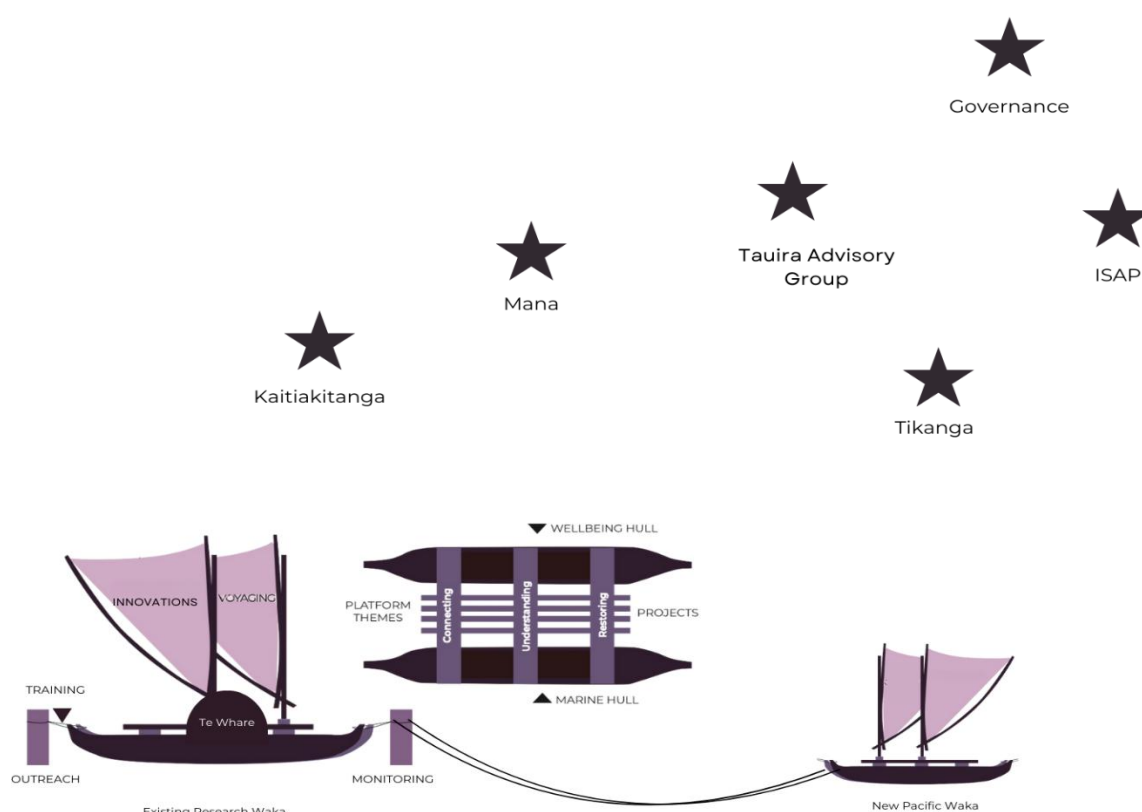


Figure 1: Coastal People: Southern Skies

We will be creating a new by Pacific, for Pacific, **Tangata Moana Pacific led research waka**. CPSS now has a critical mass of Pacific researchers to explore how the unique opportunities in a CoRE can best advance workforce development and Pacific research

excellence. The research programme will be co-developed by Pacific researchers, expanding the findings of the Falafalaloa<sup>1</sup> research project.

Our CPSS leadership, governance and management approach are based on the principles of Wayfinding Leadership. Wayfinding Leadership is drawn from traditional voyaging practices. This approach allows us to be responsive to the needs of our community partners, align with our research programme, and values the wellbeing and success of our researchers and students. As shown in Figure 1, the four central stars of Te Pae Māhutonga represent the governance and management while the two pointer stars represent the values that underpin all that we do.

## Strategic Goals of CPSS

The first pou (pillar) of the CPSS Strategic Goals is research excellence. Our Goal is research excellence that transforms the realities for coastal peoples and coastal environments. For 2025-2028, we specifically focus on: balancing the waka in relation to investment in wellbeing research, to deliver on all research in the annual plan, and to continue building and supporting a thriving transdisciplinary research network.

The second pou of the CPSS Strategic Goals is capability and capacity. Our Goal is a Te Tiriti led, equity based, wellbeing informed research workforce equipped to work with, alongside and behind coastal communities. For 2025-2028, we specifically focus on: continuing to build Māori and Pacific researcher capacity and capability; laying the foundations for building cultural competency for researchers new to working in Māori and Pacific communities; and laying the foundations for rural focused capacity and capability building.

The third pou of the CPSS Strategic Goals is sustainability. Our Goal is to balance profit, people, planet, ethics, equity, culture, wellbeing and Wayfinding Leadership. For 2025-2028, we specifically focus on financial sustainability: growing co-funding for scholarships and postdocs; and growing research opportunities for co-funding and aligned funding at a CPSS level.

Our establishment and growth over 2021-2024 has provided us with many shared learnings, activities, outputs and emerging findings that inform our goals for 2025-2028.

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<sup>1</sup> Falafalaloa is the name gifted to this project, meaning to welcome everyone to the mat. This refers to the Samoan context where mats are rolled out and spread in a circular form to indicate a meeting will take place to talanoa (i.e. to share ideas, experiences, story-telling, and decision-making).

	<b>Ko te Pou Tuatahi Research Excellence</b>	<b>Ko Te Pou Tuarua Capability and Capacity Building</b>	<b>Ko Te Pou Tuatoru Sustainability</b>
<b>GOALS</b>	Research excellence that transforms the realities for coastal peoples and coastal environments	A Te Tiriti led, equity based, wellbeing informed research workforce equipped to work with, alongside and behind coastal communities	Profit, people, planet, ethics, equity, culture, wellbeing
<b>2021 – 2024 Preparing the gardens</b>	Deliver on all research in the annual plan in Aotearoa to a high standard A connected research network	Lay the foundations for a Te Tiriti led, equity based, wellbeing informed research workforce focused on growing Māori and Pacific Islands researcher capacity and capability	Build a model of operating based on wayfinding leadership Operate within our budget constraints Build a model for carbon neutrality
<b>2025 – 2028 Balancing the waka</b>	Balancing the waka in relation to investment in wellbeing research to deliver on all research in the annual plan in Aotearoa To continue building and supporting a thriving transdisciplinary research network	Continuing to build Māori and Pacific researcher capacity and capability Laying the foundations for building cultural competency for researchers new to working in Māori and Pacific communities Laying the foundations for rural focused capacity and capability building	Growing co-funding for scholarships and postdocs Growing research opportunities for co-funding and aligned funding at a CPSS level
<b>2028 – beyond Gifting the fine mat</b>	Rebid with a focus on a stable waka (marine and wellbeing) with reach into the Pacific	A co-led Māori and Pacific bid, with Māori and Pacific led research teams Increased capability and capacity of Māori and Pacific researchers Increased capability for communities and other researchers working in Māori and Pacific research projects	A sustainable funding and operational model
<b>2036 Living our dream</b>	By 2036 we will have built sustainable relationships and importantly contributed to Pacific workforce development to the level that we can support a Pacific-led bid		

## Coastal People: Southern Skies : Research Programme for 2025 – 2028

In our research programme we draw on different knowledge systems, research disciplines, and cultural traditions. We prioritise collaboration and co-creation with coastal communities. We facilitate spaces where different perspectives and worldviews interact to create a place of innovation, empowerment, resilience and transformation.

As we move forward and continue to grow as a research collective we are putting in place a programme to seek opportunities for co-funding and aligned funding with researchers and organisations who have compatible research and ethical objectives.

Although CPSS is focussed on coastal communities and processes, we recognise the integration of marine and terrestrial ecosystems and the communities who live there. We also appreciate that many of the challenges facing coastal communities are linked to processes that occur in the terrestrial environment. For this reason we have adopted the concept of 'ki uta, ki tai' to reflect our interest in working with and supporting researchers in the terrestrial space, whose work has implications for the health and wellbeing of coastal ecosystems and their people.

### Tumu: Monitoring

The Monitoring Tumu provides knowledge, tools and platforms for coastal communities preparing for the future. Monitoring enables, supports and enhances kaitiakitanga and thus contributes to mauri ora of coastal communities. Our role is to work with communities to develop a local context through gathering environmental data on what is and what was. This will include existing marine time-series information (e.g. temperature, pH, light), to support tangata tiaki and kaitiaki at key locations. The Monitoring teams will share methods and expand monitoring to trial novel approaches. Innovative approaches that diversify the classes of data gathered (e.g. taonga species, local observations, historical information) will provide greater context for climatic events and build predictive power into existing and new data sets. We will build out our metadata, and data management and communication infrastructure – both for the community and research teams, and in order to facilitate connections and synergies between Monitoring projects. There is a concerted effort to focus on effectively developing monitoring approaches to assess the mauri ora of coastal communities.

### Tumu: Outreach

The Outreach Tumu is expanding place-based and environmentally informed learning programmes that situate community and student-centred learning at the heart of our mauri ora approach. Programmes are being developed to share knowledge with students and communities from the CPSS research programmes. This work will help bridge the gap between schools and tertiary providers.

### Existing Research Waka

The existing research waka is centred on three themes that advance kaitiakitanga and the vision of mauri ora for CPSS. All activities across CPSS have interactions with one or more of the themes of CPSS.

### Platform Theme: Connecting

This theme investigates the connections between coastal communities and their environments and the ways in which the cultural, spiritual, social, ecological and economic relationships that exist between people and place can sustain and transform long-term social and economic wellbeing.

## Platform Theme: Understanding

The Understanding theme is applying trans-disciplinary and cross-cultural approaches to connect science with mātauranga to enhance kaitiakitanga. In the Understanding Theme, coastal communities and researchers are working to create new knowledge, solutions and connections to maximise climate change resilience.

## Platform Theme: Restoring

Restoration is about the lived experience of mauri ora, of mātauranga, of mana and kaitiakitanga, of a thriving identity – and includes both the tangible and the intangible. The goal for our future is to have kaumatua with their mokopuna collect pāua in knee deep water, growing a maara full of kai, and for our kids to meet kai in its context and rather than in a book. We envisage Restoration as both the process and the outcome of this theme's goal of building ecosystem and social resilience to climate change. Restoring acknowledges the past and draws upon knowledge and ideas from the other themes to guide action that provides meaningful benefits today and for generations to come.

## Sail: Voyages

This is our voyaging sail that ensures we support our voyaging community and their aspirations within CPSS. This includes the opportunities to grow the collaborations relating to waka as research vessels.

## Sail: Innovation Funding

The Innovation Sail (Innovation Fund) is intended to capture the spirit of understanding, experimenting, and collaborating in new ways by funding pilot studies that focus on technological advances, blue-sky ideas and novel combinations of research teams alongside local communities.

## Aukaha Lashings: Training

As noted above, capability and capacity development is a strategic goal of CPSS. As such, the importance and interwoven nature of training is highlighted in our model as the lashings which bind the vessel together. Our Goal is a Te Tiriti led, equity based, wellbeing informed research workforce who are equipped to work with, alongside and behind coastal communities.

In alignment with the Education and Training Act (2020), the Statement of National Education and Learning Priorities, Tertiary Education Strategy, Ka Hikitia: the Māori Education Strategy, the Pacific Education Action Plan and the Vision Mātauranga policy document, we will continue our contribution to research pathways (inside and outside of the tertiary education institutes), practical training opportunities, wānanga, ongoing professional development and leadership opportunities, and outreach.

Over 2025-2028, alongside the focus on students, we will also focus on continuing to build Māori and Pacific researcher capacity and capability for researchers who are based in the tertiary sector and those who are community-based. This will lay the foundations to build cultural competency for researchers new to working in Māori and Pacific research and communities and rural focused capacity and capability building.

## Tangata Moana Pacific Led Research Waka

The CPSS symbol of our double hulled waka also allows us to dream further and imagine a fleet of waka, of different sizes and designs. In the waka community, a fleet gives opportunities to train newcomers, share crews and supplies. With this in mind, we will build on our earlier work to develop a 'by Pacific, for Pacific' research programme, which aims to grow the capability and capacity of Pacific researchers within their ethnic groupings, while also working within a supportive pan-Pacific context to share, uplift and



challenge each other. Each Pacific nation has its own unique cultural context, ecological challenges and pathways to educational success. With a Tangata Moana leadership at all levels of CPSS (governance, Principal and Associate Investigators, Research Fellows, Postdocs, and students) and with projects already underway in Tonga, Solomon Islands and Samoa and multiple Pacific communities in Aotearoa, CPSS now has a critical mass of Pacific researchers to explore how the unique opportunities in a CoRE can best advance workforce development and Pacific research excellence. The research programme will be co-developed by Pacific researchers, expanding the findings of the Falafalaloa research project.

We have this idea in CPSS of fine mats (as shown in [Strategic Goals of CPSS](#)). There are some fine mats that are kept and others that are gifted. At this stage in CPSS, we are creating the fine mat as a taonga for our next generation, in order to grow the capacity of current and next generation Pacific researchers. On our Pacific waka we acknowledge the diversity of our Pacific communities and support established and early career leaders from each community to lead the design of many fine mats, each in the style and process appropriate to each island nation. In this we have key weavers or relationship holders for those nations we partner with who will co-create the CPSS engagement with communities on the ground. The focus is on capacity building of Pacific scholars into senior roles, this may include publishing in Pacific languages, novel means of dissemination and responsiveness to the research, education and economic needs of each nation.

In time, through reciprocity, we also gift mats to the wider world and community to learn about our cultures. This reflects the wider aspirations of CPSS in growing non-Pacific research capability, and the longer term approach as shown in [Strategic Goals of CPSS](#).

## Intellectual property

Research conducted within this project will generate data, research analyses and knowledge that are of a public good and thus maximising its benefits to NZ will require making this information available to interested stakeholders (e.g., communities, scientists, end users, the public in general). Therefore, the emphasis will be on wide dissemination of findings via scientific publications, research providers' own publications, presentations to communities and end-users, and through end user driven mechanisms (e.g., hui, technical working groups, public meetings) and databases, rather than on protecting IP.

Background IP ownership will be retained by the creator (or otherwise as contractually specified). Partners will be granted licences to use relevant background IP for the purposes of the projects that will be determined upon finalisation of the research programme. It is anticipated that there may be commercial outcomes from the proposed research programme and, if there is, the use of background IP for the commercialisation of project IP will be negotiated in good faith between the partners concerned at that time. In principle, Project IP will be owned by the party or partners undertaking the research from which the IP arises. The management of this IP (including protection) will be the responsibility of the owner(s). Project IP will be made available to all members of CPSS to undertake the research (as outlined in the proposed research programme and any subsequent planning documents) and for other non-commercial research. Where Project IP is created in association with co-funders and/or community or industry partners it is expected that all partners will enter into agreements to i) ensure that IP is developed in a manner that will advance the purpose of CPSS, ii) agree to commercialisation and revenue sharing (if appropriate), and iii) always ensure Indigenous IP rights are protected.

The host institution and partner organisations have all previously negotiated similar sub-contracts and associated IP Agreements with other research providers and stakeholders on a good faith basis and we do not see this as a significant risk to this project. There may be instances where a party will not release data obtained through the proposed research.



Such instances are likely to be confined to situations where release of data would breach a prior confidentiality agreement with another party.

CPSS will draw upon the findings of WAI 262 in the management of indigenous knowledge and data sovereignty principles. In particular, should research with Māori and Pacific peoples gather data on sites of cultural significance or be related to traditional practices, the host organisation will need to ensure that Māori and Pacific people's rights and traditional knowledges are protected, and permission to release any such data would be sought from the partners as appropriate. As a principle, all IP brought to the project by Māori and Pacific partners will remain in their ownership, and they will have control over its public availability. CPSS will draw upon data sovereignty principles. IP/data sharing agreements and/or protocols in the proposed project will be specific to the partnerships. Collaborative Agreements and/or Memoranda of Understanding will be prepared between the host institution and collaborating iwi and Pacific groups. These Agreements/Memoranda will describe the underlying principles of the relationship and provide the basis for negotiating IP and confidentiality agreements on specific projects. The founding partners have considerable experience and success in relationship building with iwi and more recently with communities in the Pacific (and Pacific communities in NZ).

## Vision Mātauranga

Coastal People: Southern Skies strongly aligns with the mission of Vision Mātauranga “to unlock the innovation potential of Māori knowledge, resources and people to assist New Zealanders to create a better future” as we draw on the richness of mātauranga pertaining to marine and wellbeing, utilise quality resources (established and ground-breaking) and enlist the expertise and knowledge of our people to assist us in creating a better future for coastal communities and marine ecosystems in Aotearoa New Zealand and across the Pacific.

The CoRE will advance all goals of Vision Mātauranga. **Indigenous innovation** will be used to connect to, understand and restore fundamental marine flora and fauna to coastal communities, who can consequently utilise restoration for economic, environmental, and cultural growth. **Taiao** is essential to the success of Coastal People: Southern Skies. To have a flourishing marine environment, and flourishing coastal communities, the research must be environmentally sustainable for communities and researchers. To achieve thriving health and wellbeing of Māori coastal communities, Coastal People: Southern Skies focuses on how to improve **hauora**. The needs of Māori communities require holistic health and social wellbeing foci; the (re)connection and restorative projects are intentionally designed with careful consideration given to te ao Māori. Coastal People: Southern Skies is built to harness and exchange different knowledge systems and projects require **mātauranga** to be successful.

Coastal People: Southern Skies has a focus on growing the capability and capacity of Māori researchers, and all researchers wishing to research effectively with Māori coastal communities.

## Collaborating organisations

Collaboration is integral to the success of any Centre of Research Excellence. Coastal People : Southern Skies has a growing network of collaborators who contribute to the research programme.

### Partners:

Coastguard Boating Education

National Institute of Water and Atmospheric Research Limited (NIWA)

Te Rūnanga o Ngāi Tahu

Te Rūnanga o Ngāti Whātua

Te Wānanga o Awanuiārangi

Te Toki Voyaging Trust

University of Auckland

University of Waikato

Victoria University of Wellington

### Collaborators:

Auckland University of Technology

Biosecurity New Zealand

Coastguard Boating Education

Fiji National University

Hauteruruku ki Puketeraki

Liveit Enterprise Limited

Manaaki Matakaoa Charitable Trust

Ministry of Health, Cook Islands

Ministry of Education, Tonga

Ministry of Fisheries, Tonga

National University of Samoa

New Zealand Whale and Dolphin Trust

Ngati Hinemanu Ngai Te Upokoiri Me Ona Piringa Hapu Authority

Ngatiwai Trust Board

Rakiura Helicopters Limited

Rangatahi Tumeke Charitable Trust

Te Hiku

Te Mātāwai

Te Pūkenga

Te Rā Ketuketū Research

Te Wānanga o Aotearoa

Te Rūnanga o Ngāi Tahu

Te Rūnanga o Ngāti Whātua

Te Weu Charitable Trust

Te Whānau a Hinekehu Takutai Trust

The Institute of Environmental Science and Research

The Nature Conservancy

TMK Research Limited

University of Adelaide

University of Auckland

University of Canterbury

University of Tasmania

University of Waikato

Victoria University of Wellington

Water Safety New Zealand

Whalewatch Kaikōura

Whānau Hapū of Te Aitanga a Mate Te Aowera

# Coastal People: Southern Skies Full List of Impacts and Outcomes

## Impacts

The Centre will:

- Enable coastal communities in Aotearoa New Zealand and the Pacific to manage the impacts of climate change locally. [Local climate change management]
- Give effect to Te Tiriti o Waitangi through the creation of Māori leadership opportunities. [Māori leadership development]
- Understand the health, wellbeing and way of life of coastal people. [Understand wellbeing]
- Model and lead in the development of definitions of equity that are fit for purpose for coastal communities, including Māori, Pacific and rural peoples. [Equity for coastal communities]
- Advance and accelerate outcomes for Māori within the Aotearoa New Zealand education system including contributing to the revitalisation of te reo Māori. [Advance outcomes for Māori]
- Enhance the educational achievements of Māori and Pasifika peoples. [Increased Māori and Pasifika educational achievement]
- Create vocational and educational opportunities for rural communities. [Opportunities for rural communities]
- Provide research to support policy and legislation development and decision making in Aotearoa New Zealand and the Pacific. [Inform policy, legislation and decision making]
- Building collective models of successful research practice from the conception of the research, through the process, results and beyond for researchers and communities. [Model successful research practice]
- Strengthen research, education and industry connections between Aotearoa New Zealand and the nations of the Pacific. [Stronger connection with nations of the Pacific]
- Make a significant contribution to capability development for government, community, industry, and those entering the workforce through the provision of high-quality training and the application of research in a multidisciplinary context. [Capability development]
- Enable Aotearoa New Zealand to become a recognised leader in transitioning to a blue economy. [Blue economy leader]

## Outcomes

In alignment with the vision, mission and values of CPSS, our outcomes are positioned within four areas: Mana atua (Our Community); Mana moana (Our Work); Mana whenua (Our Pūtea/Economy); and Mana tangata (Our People).

### **Mana atua (Our Community).**

*Societal outcomes:*

- We will contribute to and promote healthy, thriving, connected coastal peoples and communities
- We will ensure diverse voices and ways of being are represented in decision making, leadership and research teams
- We will provide place-based and environmentally informed learning programmes for communities and student-centred learning to nurture and encourage (potential) progression into marine focused and wellbeing careers

*Public policy and services outcomes:*

- We will provide appropriate data and new approaches to connect, guide and improve marine and wellbeing policy in Aotearoa New Zealand and the Pacific

**Mana moana (Our Work).**

*Environmental outcomes:*

- Restored and productive coastal ecosystems
- We will establish community connections between individuals and groups with the skills to support local management and restoration that is future-proofed against climate change

*Health/Equity and Wellbeing outcomes:*

- Coastal people living with mauri ora (flourishing wellness)
- We will contribute to the development of resilient communities who are better prepared for, and able to adapt to change and build a sustainable future in a high CO<sub>2</sub> world
- We will develop wellbeing indicators for coastal people and environments

*Advancing Te Reo Māori and Mātauranga Māori outcomes:*

- We will contribute to the outcomes of Maihi Karauna The Crown's Strategy for Māori Language Revitalisation 2019 – 2023
- We will build community capability and resilience through collaborative, strengths-based approaches which enhance tino rangatiratanga or self-determination of Māori people, whānau, hapū and iwi

**Mana whenua (Our Pūtea/Economy).**

*Economic/Commercial outcomes:*

- We will contribute to the development of sustainable marine industries prepared for, and able to adapt to, the impacts of climate change on the marine environment and those communities
- We will train a workforce that understands a changing ocean environment and wellbeing
- Our graduates will go on to employment in industry, government and communities in roles that allow them to apply the knowledge and skills attained through their education within CPSS
- We will provide support for regions subject to economic challenges (in both Aotearoa New Zealand and the Pacific) allowing industry development and adaptation to changing climate

**Mana tangata (Our People).**

*Capability outcomes:*

- We will create a community of trained researchers, guided by communities, who are experts in their fields, knowledgeable in the enactment of kaitiakitanga and how to support rangatiratanga alongside coastal people
- We will model successful research practice for integrated research programmes
- We will work with our partners and communities to support our Rangatahi Māori (youth) and whānau to feel confident and safe within the realm of Tangaroa
- We will provide clear pathways for learners
- We will contribute to the creation of an increasingly diverse research workforce
- We will improve scientific literacy

*Health / Equity and Well-being outcomes:*

- CPSS will develop a definition of equity that takes into consideration the social determinants of health and educational equity and the associated equity workplan necessary and specific for CPSS
- We will actively create a wellbeing plan based upon the Te Pae Māhutonga model of wellbeing which underpins CPSS
- We will provide support to ensure the wellbeing of our students, researchers, and community partners