

National
Science
Challenges

**SUSTAINABLE
SEAS**

Ko ngā moana
whakauka



Sustainable Seas

Ko ngā moana whakauka





Objective

Enhance the value of New Zealand's marine resources while providing a healthy marine environment for future generations.

Ecosystem-Based Management

- A co-governance and co-design structure that recognises the Māori constitutional relationship and mana whenua at all levels together with the guiding concepts of mauri, whakapapa, kaitiakitanga, and manaakitanga
- Place- and time-specific, recognising/understanding the ecosystem as a whole in all its ecological complexities and connectedness
- Acknowledgement of humans as ecosystem components with multiple values

Ecosystem-Based Management

- Long-term sustainability as a fundamental value, in particular maintaining values and uses for future generations
- Collaborative and participatory management throughout whole process, considering all values and addressing cumulative and multiple stressors
- Clear goals and objectives based on knowledge
- Adaptive management, appropriate monitoring, and acknowledgement of uncertainty

To achieve the Objective

Research results must be

- translate into changes in the way policy, regulations and legislation are applied
- used by marine resource managers
- trusted and accepted by society

To do this we must

- Provide practical tools, frameworks and knowledge for decision makers
- Produce real-world results
- Demonstrate and promote EBM as an effective management tool.

By

- Being interdisciplinary
- Doing high quality research
- Having a excellent interactions between our researchers to build a Challenge community
- Working effectively with Māori and stakeholders
- Work together to avoid Māori and stakeholder fatigue

Conference aims

- Improved interactions to build the Challenge community
- Increase the depth of interdisciplinary knowledge and research
- Opportunity for us to interact with our advisory groups, Māori and Stakeholders

Next 2 days

- Project research in plenary and interactive session
- Session with Māori and Stakeholders
- Challenges of the Challenge
- Project Leaders meeting

Science Leadership Team



Carolyn Lundquist



Judi Hewitt



Linda Faulkner



David Schiel

Science Leadership Team



Chris Cornelisen



James Whetu



Robin Wilkinson



John Wright

Interact with us about issues and ideas for improving the Challenge

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Independent Science Panel

- Ian Perry – Department of Fisheries and Oceans
Canada
- Bruce Mapstone - CSIRO
- Eddie Allison – University of Washington
- Ingrid van Putten – CSIRO
- Linda Tuhiwai Smith – Waikato University

Talk to them about your research and how this links to our objective.

To get the best from the conference we all need to:

- Talk with researchers we don't know
- Explore other research projects
- Engage with Māori and Stakeholders about their ideas and needs
- Enjoy