

SUSTAINABLE  
SEAS

Ko ngā moana  
whakauka

Developing EBM  
decision-making tools



# Managed Seas

**Aim:** Deliver innovative and effective decision support tools that integrate the knowledge generated by the Challenge to support ecosystem-based management, ensuring sustainable utilisation of our marine resources

## PROJECTS AND LEADS

### Ecosystem Models

Ian Tuck (NIWA, UoA); Matt Dunn (NIWA)

### Spatially Explicit Decision Support Tools

Carolyn Lundquist (NIWA, UoA)

### Risk & Uncertainty

Graeme Inglis (NIWA)

### Participatory Tools

Ross Vennell (Cawthron)

### Habitat use by seabirds

David Thompson (NIWA)



# Important elements of tool development

- Making the complex **accessible** and **practical**
- Providing the means to **explore** ‘what if’ scenarios
- Addressing the challenge of managing resources amidst significant levels of **uncertainty** and **risk**
- Embracing technology and developing **accessible interfaces** that encourage and facilitate **participation**
- Close **involvement** of iwi and stakeholders in scenario building and tool development
- Increasing understanding and **developing trust** in models
- Ability to apply EBM tools across a range of **scales**



