Interactive tools for enabling participation and knowledge exchange

Project 5.1.4- Participatory tools

Ross Vennell, Heni Unwin (Presenters) and Jeremy McKenzie

"A project at the boundary of science and society, to develop and implement tools for facilitating participation in decision making and communicating science"
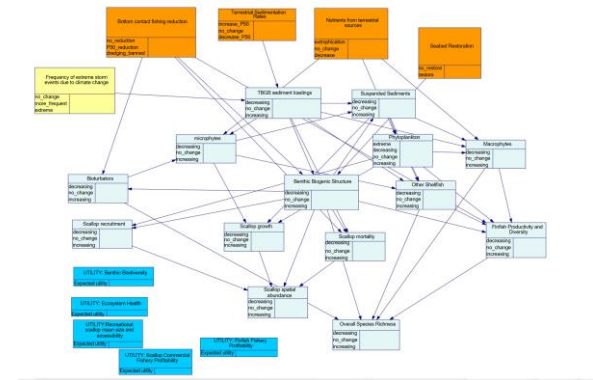
A tale of two Talks

1. Tracking plastic in a virtual ocean:

A connectivity tool to allow wider public to learn and play with spatial connections of areas within Cook Strait and Tasman-Golden Bay
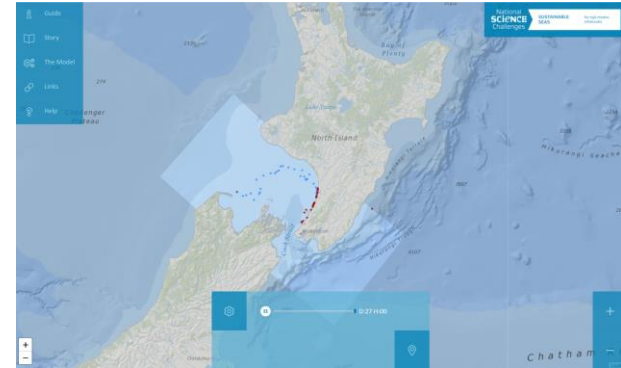
2. Online tool for managers and stakeholders

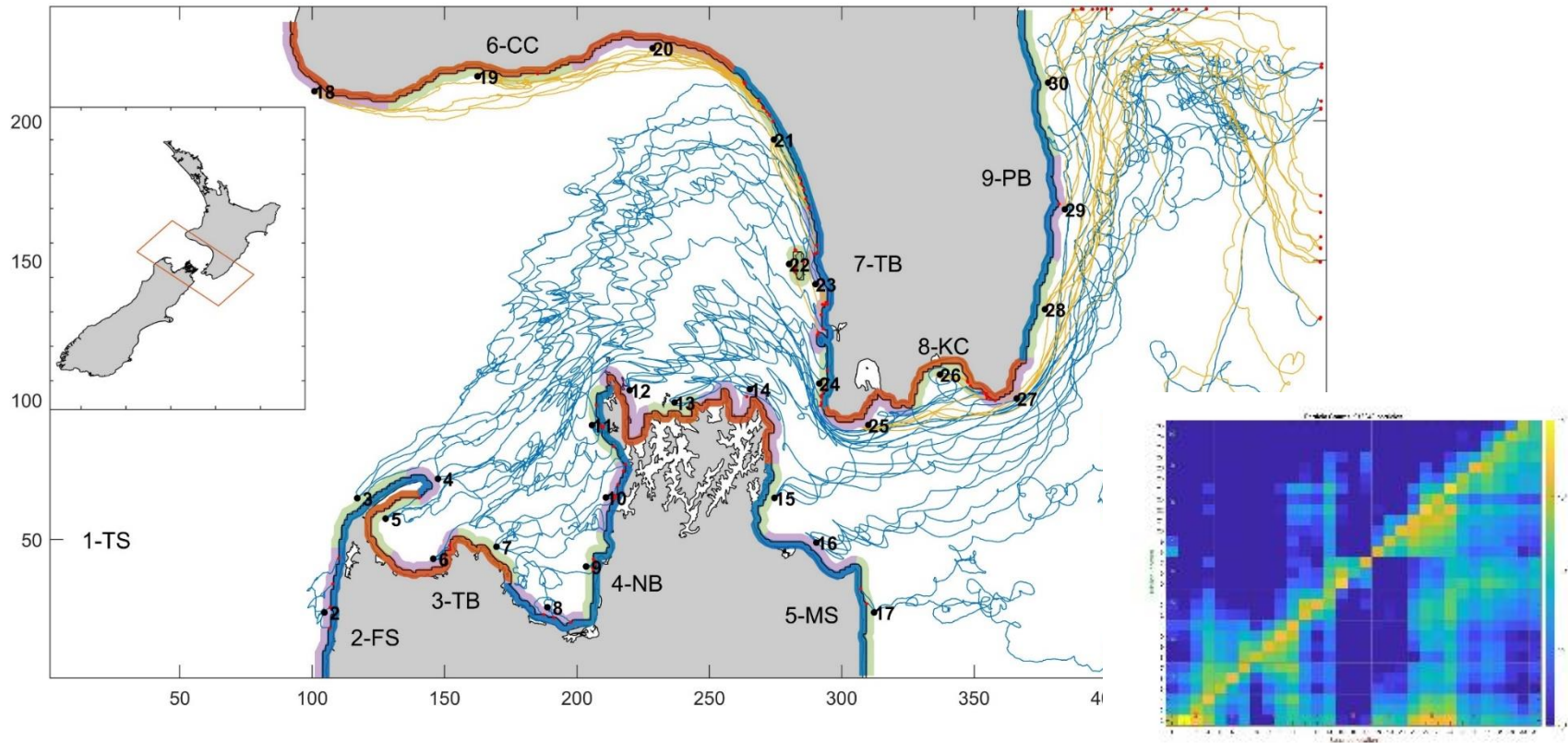Enabling them to see consequences of management decisions for scallops fishery in Tasman-Golden Bays.

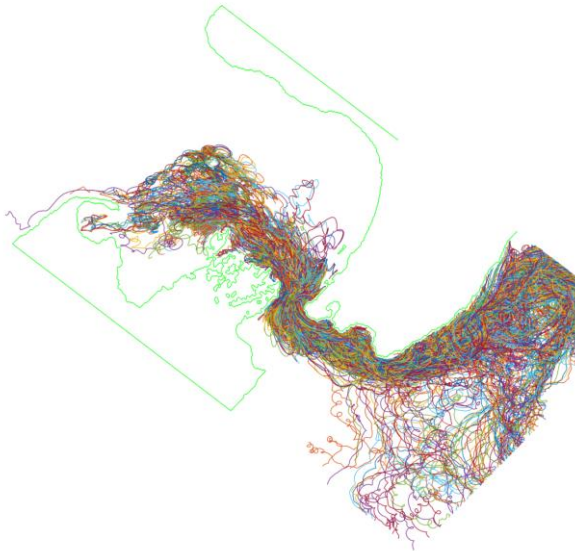# Plastics and Coastal Connectivity
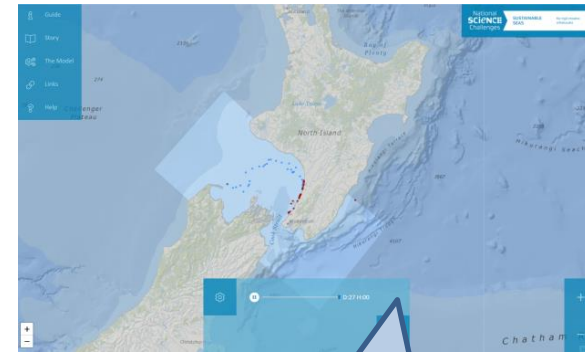
Where's my jandel gone?

nature.com

An online connectivity tool:

Online- Particle Tracking Engine

challenge: computational speed!

Track co-ordinates

2 GB file

Currents from Models

SS- Dynamic Seas-Stressors NIWA, 1km ROMS   SS- IIF Bacterial Forecasting MetOcean, SCHISIM
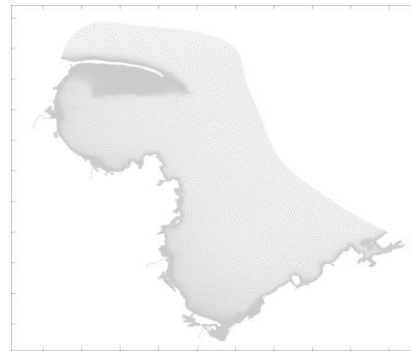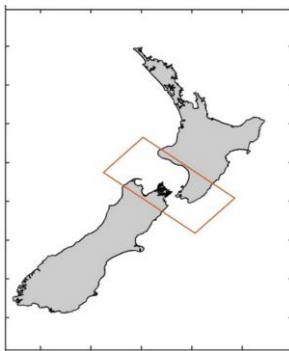
Project Aims/ The why?

- Connection
  - Environment & Species
  - Science & People

http://gowellconsulting.co.nz/new-zealand-needs-tax-plastic-bags/

- Tools
  - Educate
  - Inform

- Decision Making
- Action

National SCIENCE Challenges   SUSTAINABLE SEAS   Ko ngā moana whakauka

Cook Strait Demo
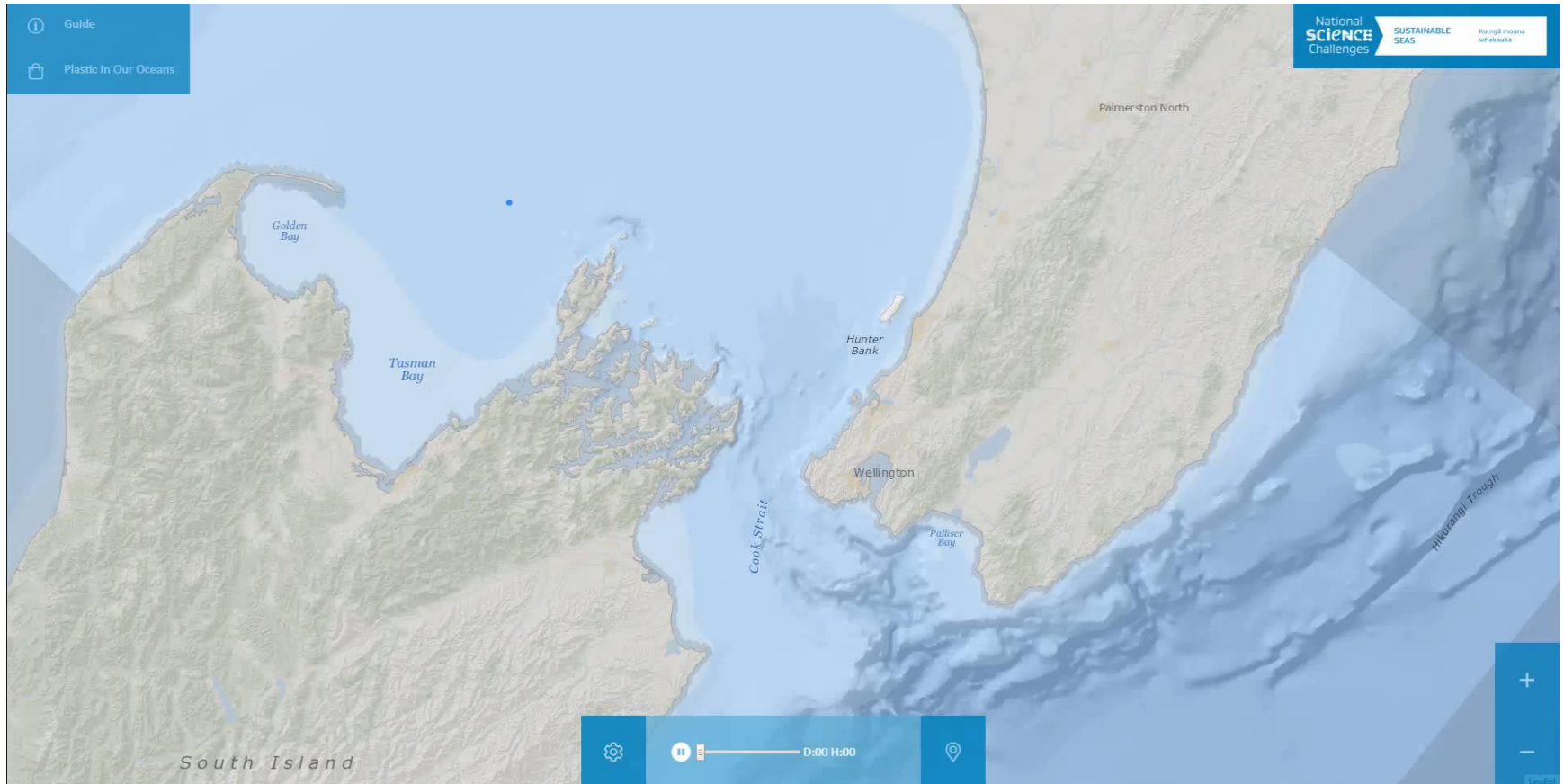
Future/ Vision

- Educational Tool
  -Schools
  -Kura Kaupapa
- Game

http://parakore.maori.naz/resources

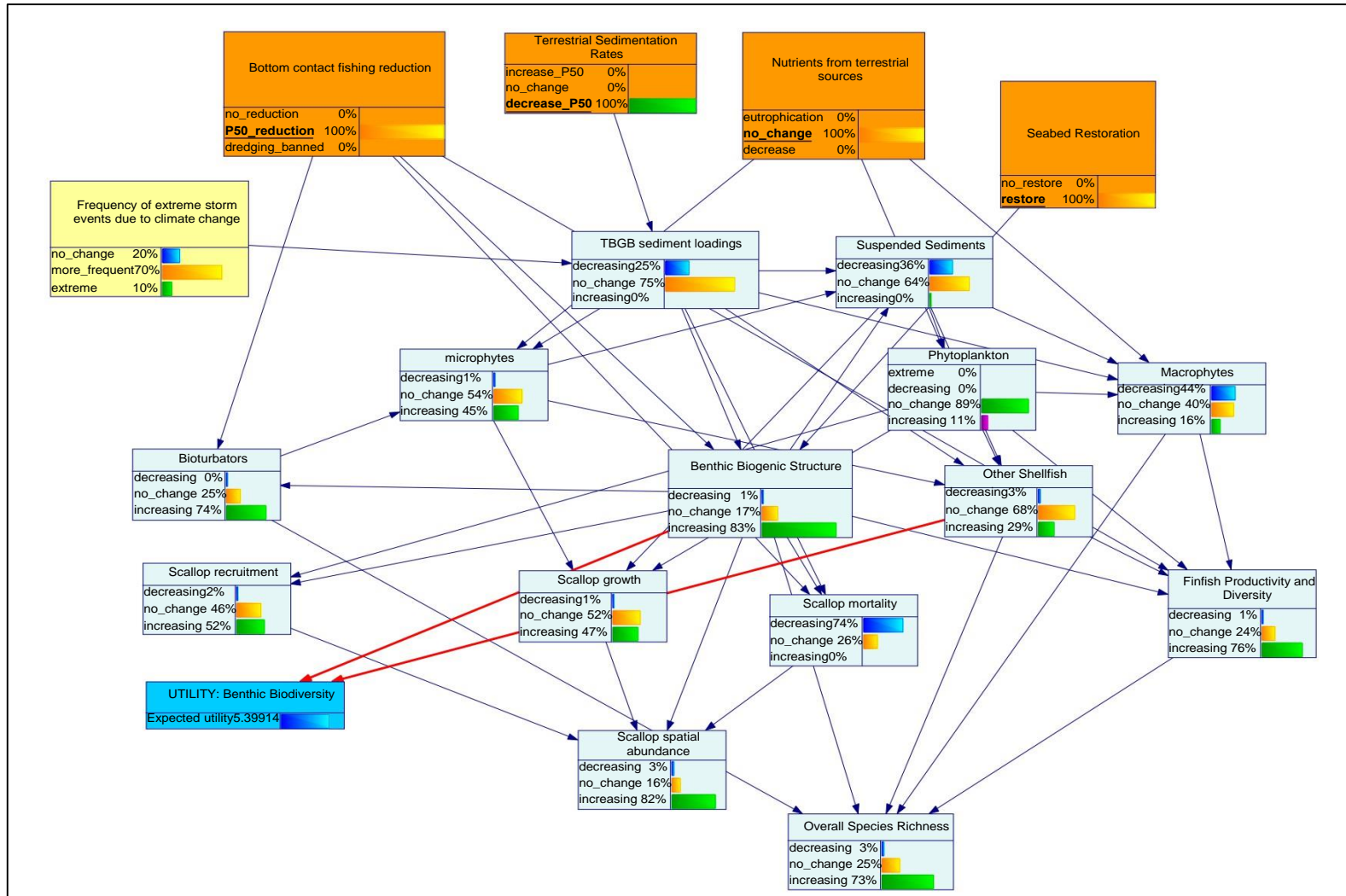http://sustainablecoastlines.org/media/image-galleries/?set=72157667675631795

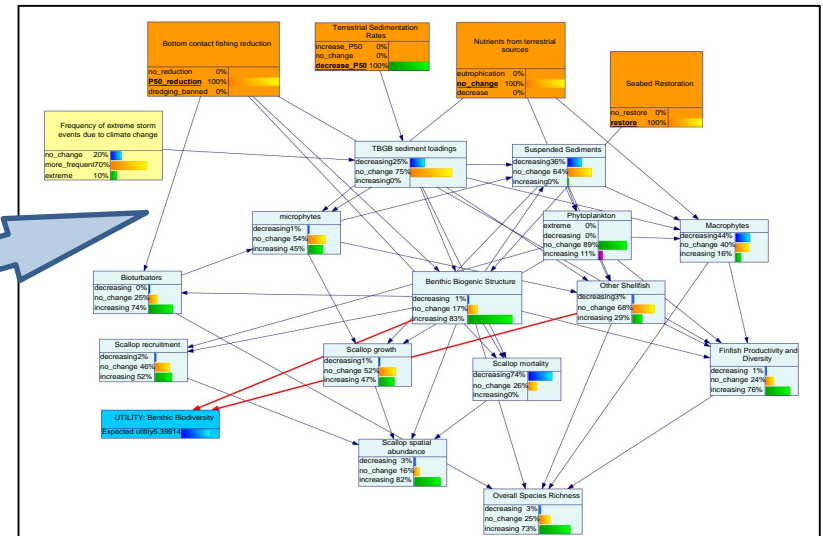# Online tool for managers and stakeholders

Bayes Decision Network

Jeremy demo Tue!

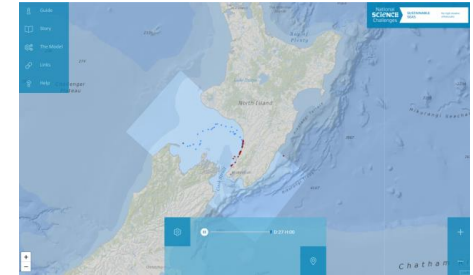# Expert Elicitation was used to build the TBGB BDN model

A two-day workshop and comprised a broad group of nine NIWA and Cawthron Institute scientists who's joint knowledge on TBGB marine ecosystem processes and resource management.
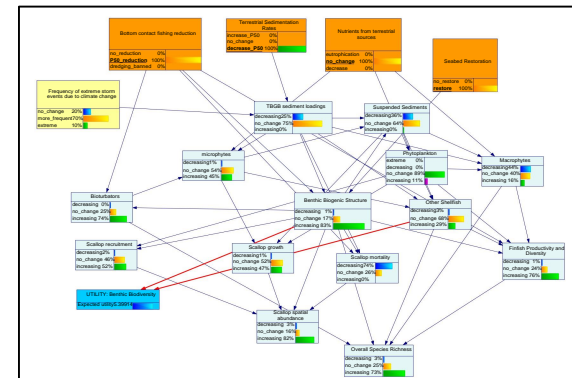
Research team

Cawthron Institute

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NIWA

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