

Our Seas Project 1.2.2

Navigating marine social-ecological systems

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- Three streams of research:
 1. Cumulative effects and decision-making frameworks;
 2. Uncertainty and risk associated with current and future marine activities;
 3. Evaluating a range of methodologies for doing science that build trust
- An additional stream (with 1.1.1/1.1.2 Participatory Processes): Social network analysis of collaboration across SSNSC

Cumulative effects

- Scenario workshop: *Planning for Cumulative Effects in a Complex World*, 17 August 2016
 - Knowledges: need for trustworthy data and information, establishment and monitoring key indicators, clear baselines, appropriate scales
 - Values: Need to establish shared, long-term visions, goals and values for NZ coastal and marine areas.
 - Actions: Need for integrated, adaptive, and/or collaborative actions across institutional boundaries to address CE.



Scenario workshop 2: *Planning for Cumulative Effects in a Complex World*, October 2016

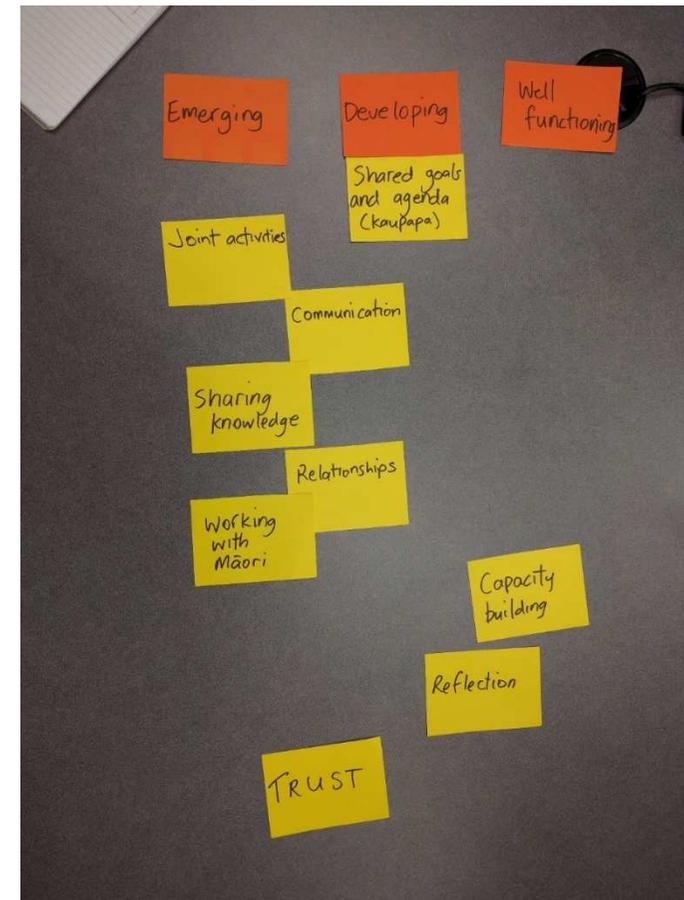
- Summary of relevant legislation and case law
- National set of guidelines or standards
- Methods for establishing baselines
- Methods for monitoring
- Science and predictive tools for CE
- Interconnected information sharing portal



Joint Innovation Fund proposal with Central and Regional Government to serve a neutral body to enable interagency collaboration on CE.

Navigating trust

- Developed a tool to test collaborative science methodologies across Sustainable Seas
 - Evaluation indicates different strategies may be employed by teams with different cultural backgrounds
 - Potential mismatch in cross cultural interactions that could delay the development of approaches to EBM



Risk and uncertainty

- Risk and uncertainty
 - Arts-science-education project working with children to explore risks associated with environmental change and implications for the future
 - Focus is on embodied learning and experience with school children in case study area.
 - Gabby O'Connor recently confirmed as PhD candidate – project is called “The Unseen”



Social network analysis

- To map out flows of information and resources between collaborating individuals in SSNSC (ongoing)
 - 334 individuals in the network so far and 1226 unique relationships between these individuals

