

SUSTAINABLE  
SEAS

Ko ngā moana  
whakauka

# Enabling Ecosystem-Based Management

# Ecosystem-Based Management Principles for Aotearoa

## Carolyn Lundquist

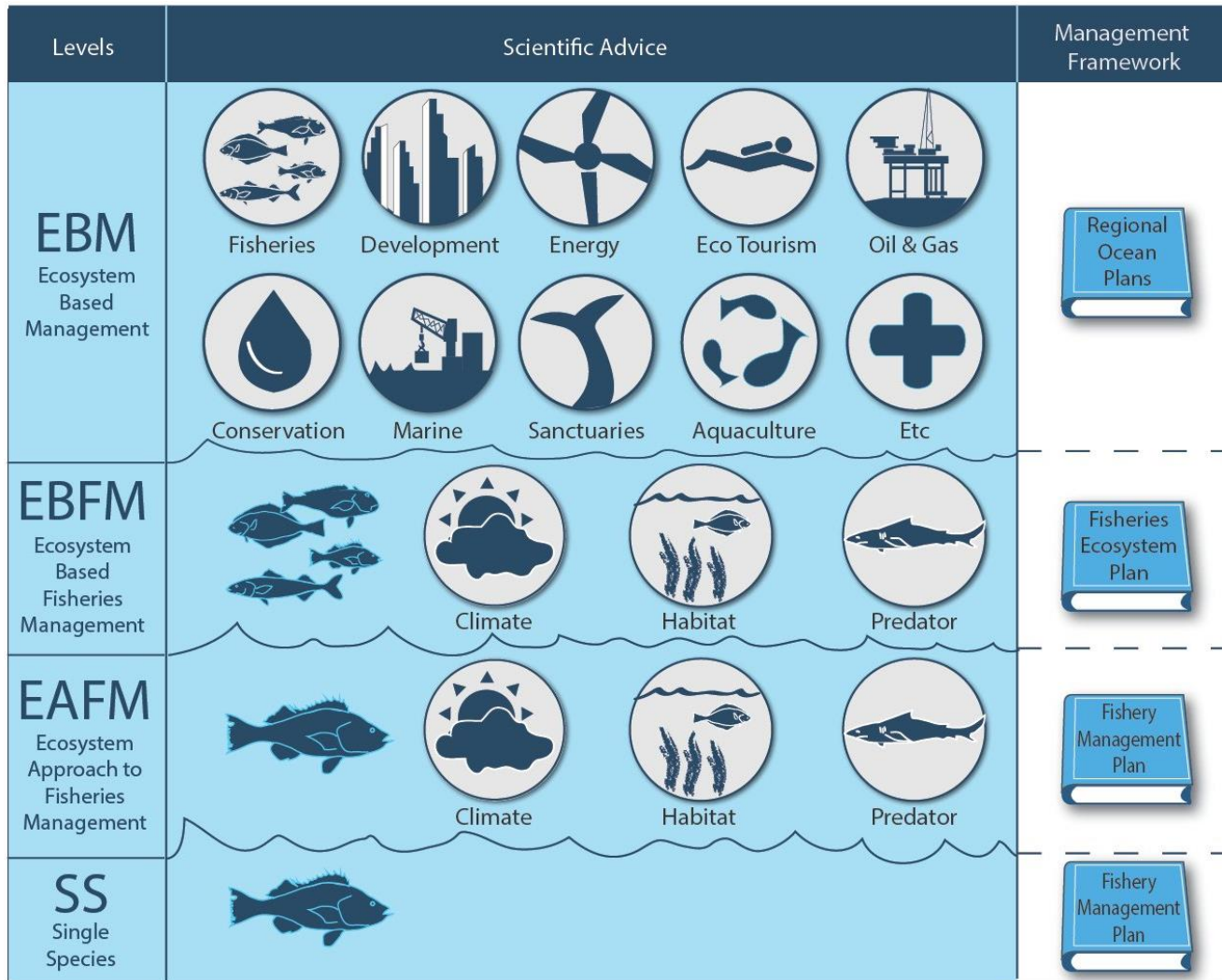


@cjlinnz

# Ecosystem-Based Management (EBM) for Aotearoa

- A holistic and inclusive way to manage marine environments and the competing uses for, demands on, and ways New Zealanders value them

# The alphabet soup of EBM



Jason Link, NOAA

**Collaborative  
decision-making**

**Tailored**

**Human  
activities**

**Co-governance**



**EBM** Ecosystem-based  
management for  
Aotearoa

**Sustainability**

**Knowledge-  
based**

**Adapts**



National  
**Science**  
Challenges

**SUSTAINABLE  
SEAS**

Ko ngā moana  
whakauka



# EBM Principles

## Sustainability

- Marine environments, and their values and uses, are safe-guarded for future generations



# EBM Principles

## Human activities

- Humans, along with their multiple uses and values for the marine environment, are part of the ecosystem



# EBM Principles

## Knowledge-based

- Based on science and mātauranga Māori, and informed by community values and priorities





# EBM Principles

## Collaborative Decision making

- Collaborative, co-designed and participatory decision-making processes involving all interested parties



# EBM Principles

## Co-governance

- Governance structures that provide for Treaty of Waitangi partnership, tikanga and mātauranga Māori



# EBM Principles

## Tailored

- Place and time specific, recognising all ecological complexities and connectedness, and addressing cumulative and multiple stressors



# EBM Principles

## Adapts

- Flexible, adaptive management, promoting appropriate monitoring and acknowledging uncertainty



### Collaborative decision-making

Collaborative, co-designed and participatory decision-making processes involving all interested parties.



### Tailored

Place and time specific, recognising all ecological complexities and connectedness, and addressing cumulative and multiple stressors.



### Co-governance

Governance structures that provide for Treaty of Waitangi partnership, tikanga and mātauranga Māori.



# EBM Ecosystem-based management for Aotearoa

A holistic and inclusive way to manage marine environments and the competing uses for, demands on, and ways New Zealanders value them.

### Human activities

Humans, along with their multiple uses and values for the marine environment, are part of the ecosystem.



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Marine environments, and their values and uses, are safeguarded for future generations.



### Knowledge-based

Based on science and mātauranga Māori, and informed by community values and priorities.



### Adapts

Flexible, adaptive management, promoting appropriate monitoring, and acknowledging uncertainty.



# Discussion welcomed!

Hewitt, Judi; Faulkner, Linda; Greenaway, Alison; Lundquist, Carolyn. Forthcoming (Nov 2018 issue). **Proposed Ecosystem-based management principles for New Zealand.** *Resource Management Journal.*

<https://www.rmla.org.nz/product/rm-journal-november-2018/>