The Key Elements of Ecosystem-Based Management:

An Assessment of their Application and Industry Priorities in 3 Fisheries in the Bay of Fundy



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Outline

- Introduction to Ecosystem-Based Management (EBM)
- **Chapter 1:** Identification of the Key elements of EBM
- **Chapter 2:** EBM Assessment and the Identification of fishermen's priorities





Ecosystem-based Management

- An integrated approach to management that considers the entire ecosystem, including humans
- Considers cumulative impacts of different sectors
- Main Objective: to maintain an ecosystem in a healthy, productive and resilient condition to provide services humans want and need

(McLeod et al. 2005)

EBM Knowledge Gaps

- Overwhelming number of definitions:
 - Creates confusion
 - Multiple perspectives between key players
- Lack of defining characteristics:
 - Impedes EBM application
 - Inability to recognize EBM on the ground



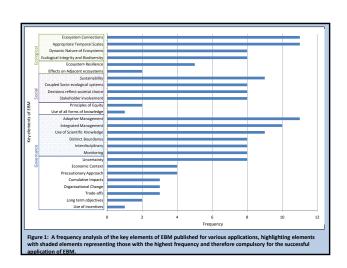
A gap between theory and practice

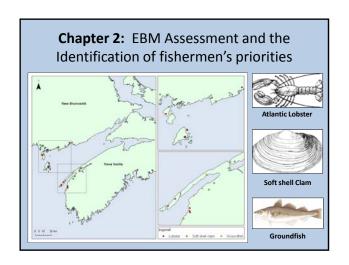
Chapter 1: Identification of the Key Elements of EBM

Methodology

- Extensive literature review of EBM theory
- Credible sources were selected
- A list of EBM components were compiled
- Definitions for each satisfied all selected literature
- Frequency of each component was recorded







Chapter 2: EBM Assessment and the Identification of fishermen's priorities Face to Face survey Part One: 1 2 3 4 5 Not at all hardly ever sometimes half the time most of the time all the time - Implementation of each 'key element' from Chapter 1 - Recommendations for better representation of key element

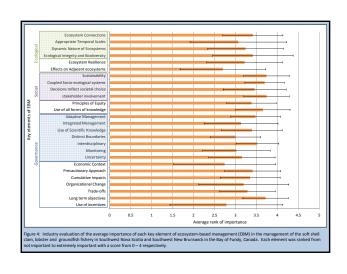
Chapter 2: EBM Assessment and the Identification of fishermen's priorities

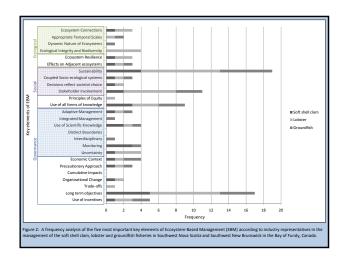
Face to Face survey

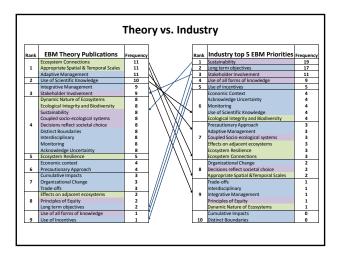
Part Two:
Rate the importance of each key element

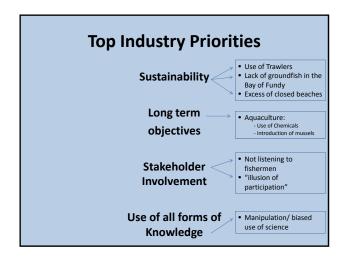
1 2 3 4
Not important low medium high extreme importance

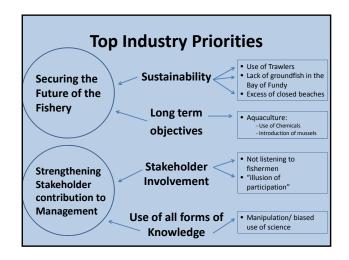
Select the five most important key elements











Questions

How can I make better use of qualitative data?

- Look at trends although do not have statistically significant data
- To gain a clear picture of the implementation of EBM and industry priorities
- Make recommendations