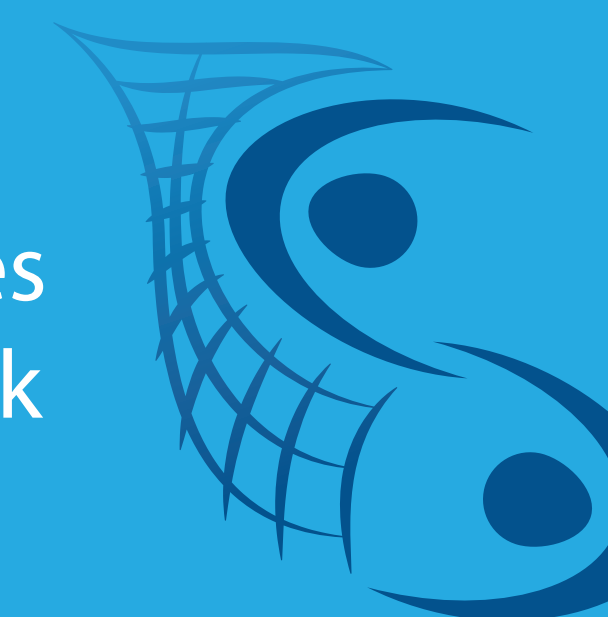


Project 1.1 - Enhanced Fisheries Knowledge for an Evolving Management Regime

Canadian Fisheries Research Network



Réseau canadien de recherche sur la pêche

Project 1.1 Objectives

Identify knowledge requirements of emerging 'ecosystem-based' and 'integrated' management that will place more emphasis on a broader view of sustainability, and prepare Canadian fisheries to be more sustainable and to participate effectively in the emerging management regimes.

Emerging requirements for sustainability:

- anticipate, from Canadian policy, criteria for a sustainable fishery system,
- identify types of performance indicators and metrics for the full suite of criteria, so as to be able to use it as a 'report card' to evaluate fisheries, and
- test that report card on various fishery case studies

Enhanced fisheries knowledge for sustainability:

- Review what info is currently being used for assessment and management.
- Evaluate information requirements of social, economic and institutional aspects of sustainability.
- Evaluate the capacities of industry, government and academia to provide information required in future.

Enhanced participation in collaborative management:

- Identify training and capacity-building needs for participatory management

Review of Canada's Policies and Obligations



Development of Comprehensive Set of Objectives and Performance Indicators



Evaluation of Information Requirements



Consideration of Training and Capacity

Fishery Objectives

- Ecological**
- Productivity - Biodiversity - Habitat
- Social and Economic**
- Sustainable communities
 - Health and well-being
 - Ethical fisheries
 - Economic/financial viability
 - Distribution of access and benefits
 - Regional economic benefit
- Institutional**
- Institutional arrangements
 - Good governance
 - Participatory decision-making
 - Effective management

Framework

Framework & Performance Methods

RESEARCH APPROACH

Development & Evaluation of Policy/Objectives/Performance

Developing

Summarizing

Testing

Informing

Case Studies

Andrea Haas, Rashid Sumaila, et al. – Big fish, little fish: Examining corporate concentration in B.C's salmon and herring fisheries

Courtenay E. Parlee, Melanie Wiber, et al. – Resolving conflict over risk management in the marine environment: Strengthening governance institutions

Daniel Mombourquette, Tony Charles, et al. – Development and testing of a fisheries indicator framework with application to analysing the distribution of benefits within an Atlantic Canadian fishing community

Eric Angel, Evelyn Pinkerton, et al. – Human dimensions of the Skeena River salmon fisheries

Kevin Squires and Melanie Wiber – The distribution of fishery benefits: A review of increased access to the Eastern Scotian Shelf Snow Crab fishery *

Paul Foley, Charles Mather, Barb Neis – Fisheries allocation policies and community development: Successes from the Newfoundland and Labrador shrimp fishery

Robin Messenger, Melanie Wiber, et al. – The governance of fishery seasons: A review of recent lobster season changes in the Scotian Shelf *

* Still in co-construction

Syntheses Projects

Research Team (Rob Stephenson)
Framework of objectives and performance indicators for a more holistic evaluation of fisheries

Stacey Paul
Current data availability and future information requirements of a holistic fishery evaluation

Ashleen Benson
Methodological approaches to holistic (inter-disciplinary) fishery evaluation

Mark Saunders
A review of DFO's participatory resource management processes