



CENTRE FOR  
**MARINE APPLIED  
RESEARCH**

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# Working to Support the Groundswell of Aquaculture Development in Nova Scotia

*Aquaculture Association of Nova Scotia  
Seafarmers Conference 2018*

Vicki Savoie-Swan, PhD  
Managing Director, CMAR



# Centre for Marine Applied Research (CMAR)

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## The Dream Team:

- Vicki Savoie-Swan – Managing Director
- Toby Balch – Director of Research
- Jenny Malec – Program Officer



# What lead to the creation of CMAR?

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- The Province has identified aquaculture as a priority for development, with a goal of an industry worth significantly more than today.
- The Department of Fisheries and Aquaculture is focusing on working with existing operators to maximize production from existing sites.
- There is potential for more aquaculture sites, new farming models and species.
- A deliberate effort to tackle a number of priority areas relating to achieving the provincial development goal is needed.
- CMAR was established as an office outside of government to focus on this effort.



# Structure

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- Management Committee
  - Informs strategic direction from their perspective and expertise
  - Approves workplan
  - Influences and informs communication from their networks
  - NSDFA, Perennia, ACOA, NSCC, COVE
- Steering Committee
  - Not yet established, but set out in the project
  - Industry partners and collaborators
  - Inform workplan



# Advantages of CMAR

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- Ability to leverage support from other government departments agencies and organizations.
- Lends itself well to communication and collaboration.
- Changes conversations.
- Focus.



# What we do

- Project development and project management
- Communication and engagement
- Collaboration
- Strategic Planning



# CMAR's Objective

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- *Development, coordination and implementation of projects to support a positive environment for aquaculture growth*
  - Information Collection
    - Analysis
  - Communciation



### INFORMATION COLLECTION

#### BIOPHYSICAL

- Temperature
- Current
- Waves
- Wind
- Benthos
- Salinity
- pH
- Nutrients
- Resident Species
- Water Testing

#### SOCIOECONOMIC

- Fishing Effort
- Tourism Activities
- Municipal Goals
- First Nation Goals
- Financial Tools
- Regional Assets
  - Wharves
  - Processing
  - Roads
  - Moorings
  - Service providers
  - Groundwater

### ANALYSIS

### COMMUNICATION





### INFORMATION COLLECTION

### ANALYSIS

#### BIOPHYSICAL

- Data Mapping
  - Depth
  - Temperature
  - Benthos
  - Salinity
  - pH
- Exposure Modelling
- Benthic Modelling
- Particle Dispersion and Connectivity Modelling
- Carrying Capacity and Growth Modelling
- Water Classification

#### SOCIOECONOMIC

- Data Mapping
  - Fishing area
  - Tourism activities
- Economic Impact Assessments
- Regional Asset Mapping
  - Wharves
  - Processing
  - Roads
  - Moorings
  - Service providers
  - Groundwater

### COMMUNICATION



### INFORMATION COLLECTION

### ANALYSIS

### COMMUNICATION

#### BIOPHYSICAL

- Commercial Fishery Interaction
- Tourism Industry Interaction
- Scoping Assistance

#### SOCIOECONOMIC

- Education
  - Municipal
  - First Nations
  - Commercial fisheries
  - Tourism industry
- Financial Tools compendium
- Scoping Assistance



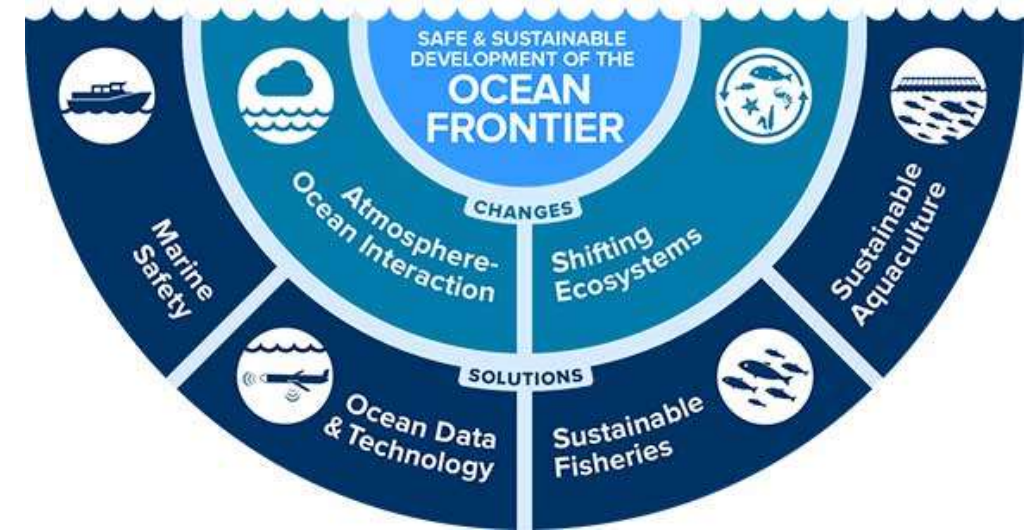
## Canada invests \$325 million in the fish and seafood sector

### News Release

From [Fisheries and Oceans Canada](#)

**Halifax, Nova Scotia** — Canada's fish and seafood sector is an integral part of the economic and social fabric of so many coastal communities across the country, especially in Atlantic Canada—that's why the Government of Canada is today investing \$325 million in this important part of the economy through the Atlantic Fisheries Fund. Under the Atlantic Growth Strategy, the Government of Canada and the Atlantic provinces are collaborating to grow the region's economy, including resource-based sector and build a vibrant future for Atlantic Canada. The Atlantic Fisheries Fund is a key component of this initiative, aimed at stimulating innovation, with a focus on growing opportunities and increasing their value to meet market demands for sustainably sourced, high quality fish and seafood products.

The Honourable Dominic LeBlanc, Minister of Fisheries, Oceans and the Canadian Coast Guard, today announced the establishment of the Atlantic Fisheries Fund to drive innovation in Canada's fish and seafood sector. Innovation in this sector, which is integral to the region's economy, means more jobs for fishers in hundreds of small coastal and Indigenous communities across Atlantic Provinces.



SEA FARMERS  
- CONFERENCE 2018 -



COVE

centre for ocean  
ventures & entrepreneurship

## Nova Scotia government invests \$2.8M in aquaculture research, expansion

Premier Stephen McNeil says the investment will create more jobs in the province

The Canadian Press | Posted: Jul 06, 2018 1:29 PM AT | Last Updated: Jul 06, 2018 1:28 PM AT



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REPORT ERRORS

# How is our approach different

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- Focused, clear, responsive.
- Direct alignment with Provincial Aquaculture Growth Strategy.
- Weighted heavily toward advanced planning for development.
- Leveraging
  - Attracting funding, knowledge, expertise and ideas
- Can approach development goals from a broader perspective
  - Long term vision
  - New sectoral approaches





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Thank you

