



# The Ecosystem Indicators Partnership

Maxine Westhead and Jennifer Hackett  
Fisheries and Oceans Canada  
Maritimes Region



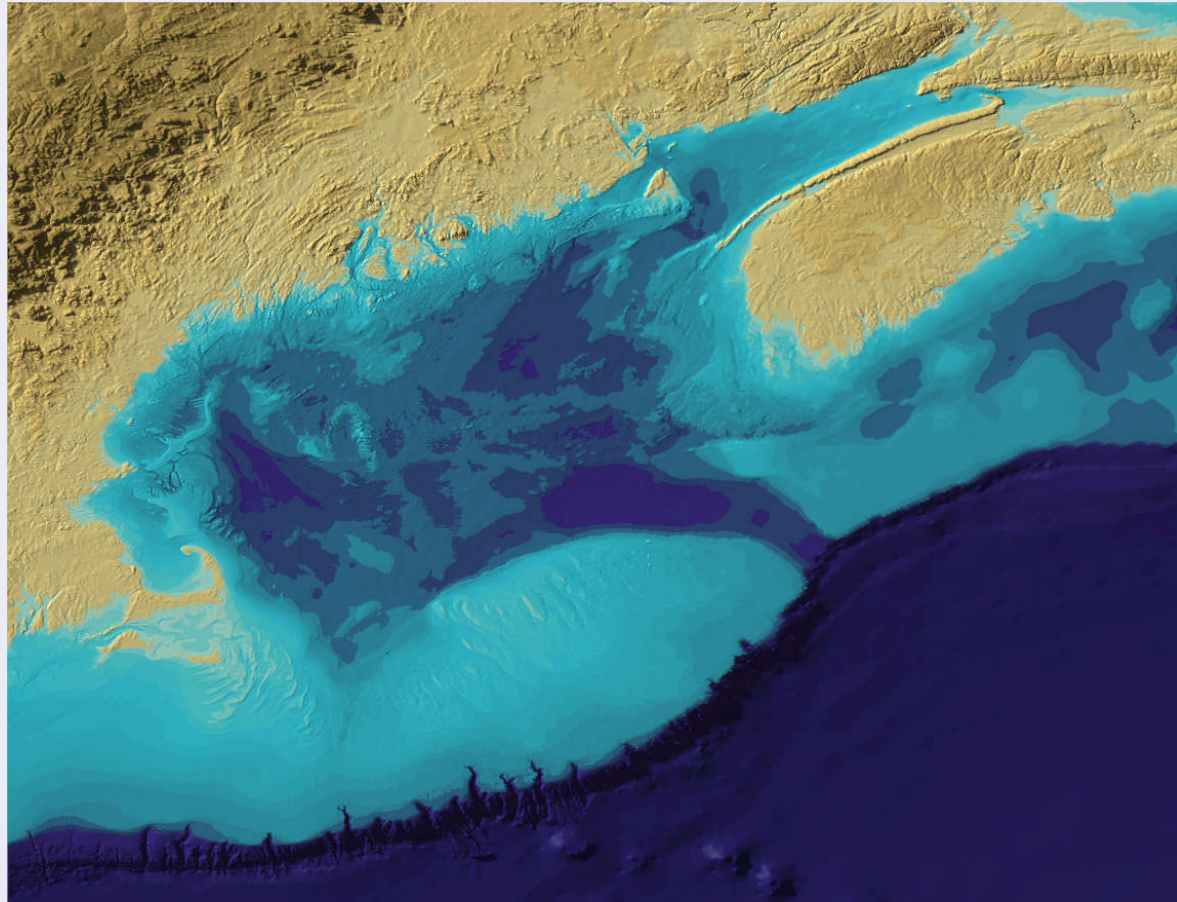
# What is ESIP?

## *A Gulf of Maine-wide ecosystem indicators and reporting effort*

- Guided by science
  - Supported by routine monitoring
- Demonstrates patterns of change in the ecosystem

By presenting and interpreting indicators in biennial state of the environment reports, information will be available in a format that decision-makers can use to shape priorities and guide choices.

# The Gulf of Maine Ecosystem



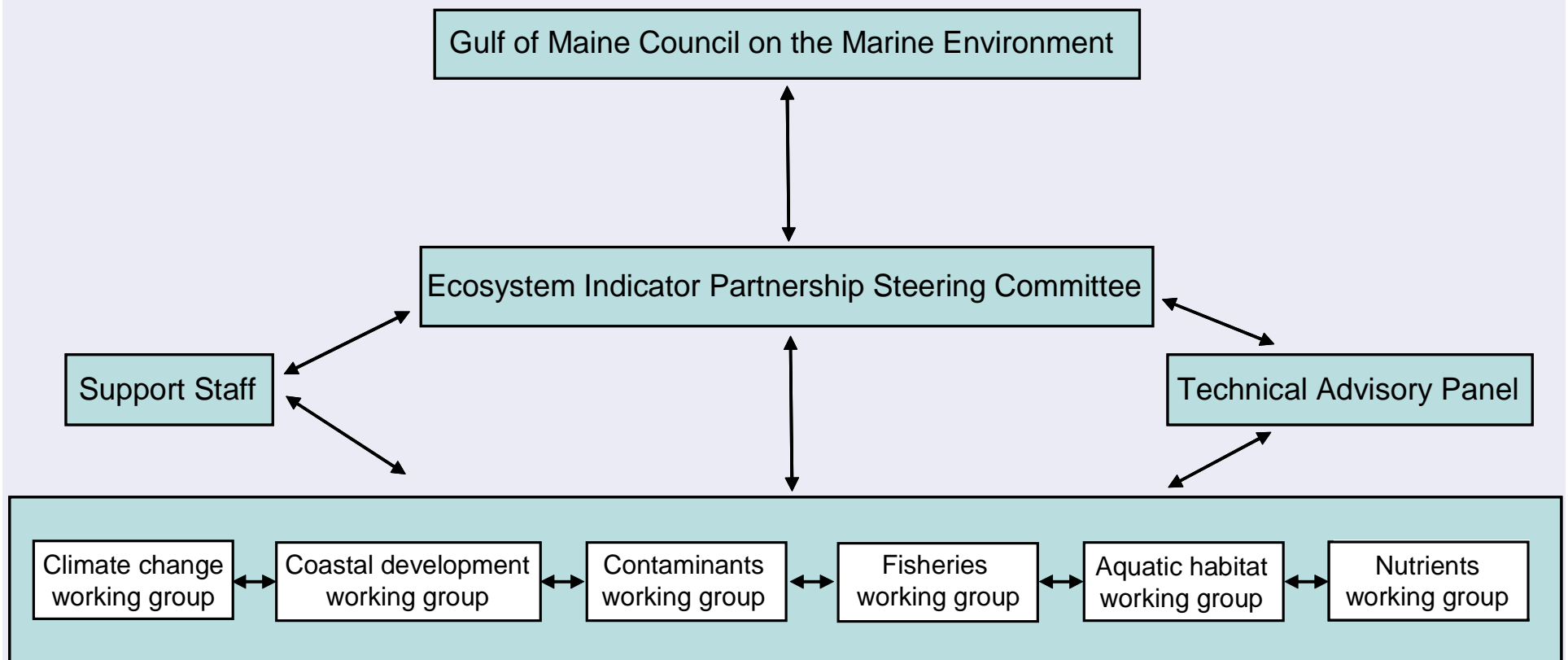


# ESIP Leadership

Currently 5 Co-Chairs and a Project Manager

- Gary Matlock, NOAA
- Maxine Westhead, DFO
- Charles Strobel, EPA
- Susan Russell-Robinson, USGS
- *Lucia Fanning*, EC
  
- Ray Konisky, Project Manager (full time)

# ESIP Structure





# Timeline of Events

- Northeast Coastal Indicators Workshop (2004)
- Gulf of Maine Summit and release of *Tides of Change* report (2004)
- Governors and Premiers *Committing to Change* Proclamation (2004)
- GoM Council funding for ESIP (2005)
- GeoConnections funding secured for ESIP (2006)



# GeoConnections

**Major partners:** GoMOOS, DFO, NOAA, EPA, EC, GoMC, GoM ODP, ACZISC

## **Tools:**

- Online access to spatial data and information from various sources related to the Gulf's renewable and non-renewable resources.
- Build mapping applications (WMS and WFS) using interoperable, standards-based technologies and datasets (CGDI endorsed)

## **Results:**

- Transboundary collaboration for on-demand information sharing to support decision making
- Breakdown information silos, build capacity of coastal managers to make integrated and informed decisions



# Technical Committee

Contribute to draft GeoConnections Workplan

6 Leads and other Members:

- David Keeley, Interim Project Manager, GoMC (ESIP)
  - Tom Shyka, Technical Program Manager, GoMOOS
- Robb Wright, Suzanne Bricker, NOAA
- Jennifer Hackett, Richard Eisner, Bob Branton, DFO
- Paul Spina, Tim Giffen, EPA
- Susan Russell-Robinson, USGS
- Sarah Hall, Barb Buckland, Debbie Pagurek, EC
- Michael Butler, ACZISC
- *and others*



# 6 Phases of Project

## Milestones and Deliverables

- June 2006      *Project starts*
  
- September 2006      *Complete Phases 1 & 2*      \$20k
  - Detailed Workplan
  - Data Discovery/Needs Assessment/Select Technical Vendor
  
- February 2007      *Complete Phase 3*      \$45k
  - Data Development and Publication
  
- June 30, 2007      *Complete Phases 4, 5 & 6*      \$85k
  - End-User Product Development
  - Long-term Sustainability
  - Documentation



# Metadata Workshop

## Using Metadata Standards to Achieve Data Interoperability

13-14 June 2006

Bedford Institute of Oceanography (BIO)  
Dartmouth, Nova Scotia

Register by emailing Victoria Clayton at

[claytonv@mar.dfo-mpo.gc.ca](mailto:claytonv@mar.dfo-mpo.gc.ca)

<http://www.iobis.org/Members/brantonb/biometadata/>



For further information, contact:

Maxine Westhead  
Fisheries and Oceans Canada, Maritimes Region  
Tel 902-426-4215  
Email [WestheadM@mar.dfo-mpo.gc.ca](mailto:WestheadM@mar.dfo-mpo.gc.ca)

Jennifer Hackett  
Fisheries and Oceans Canada, Maritimes Region  
Tel 902-426-1491  
Email [HackettJ@mar.dfo-mpo.gc.ca](mailto:HackettJ@mar.dfo-mpo.gc.ca)