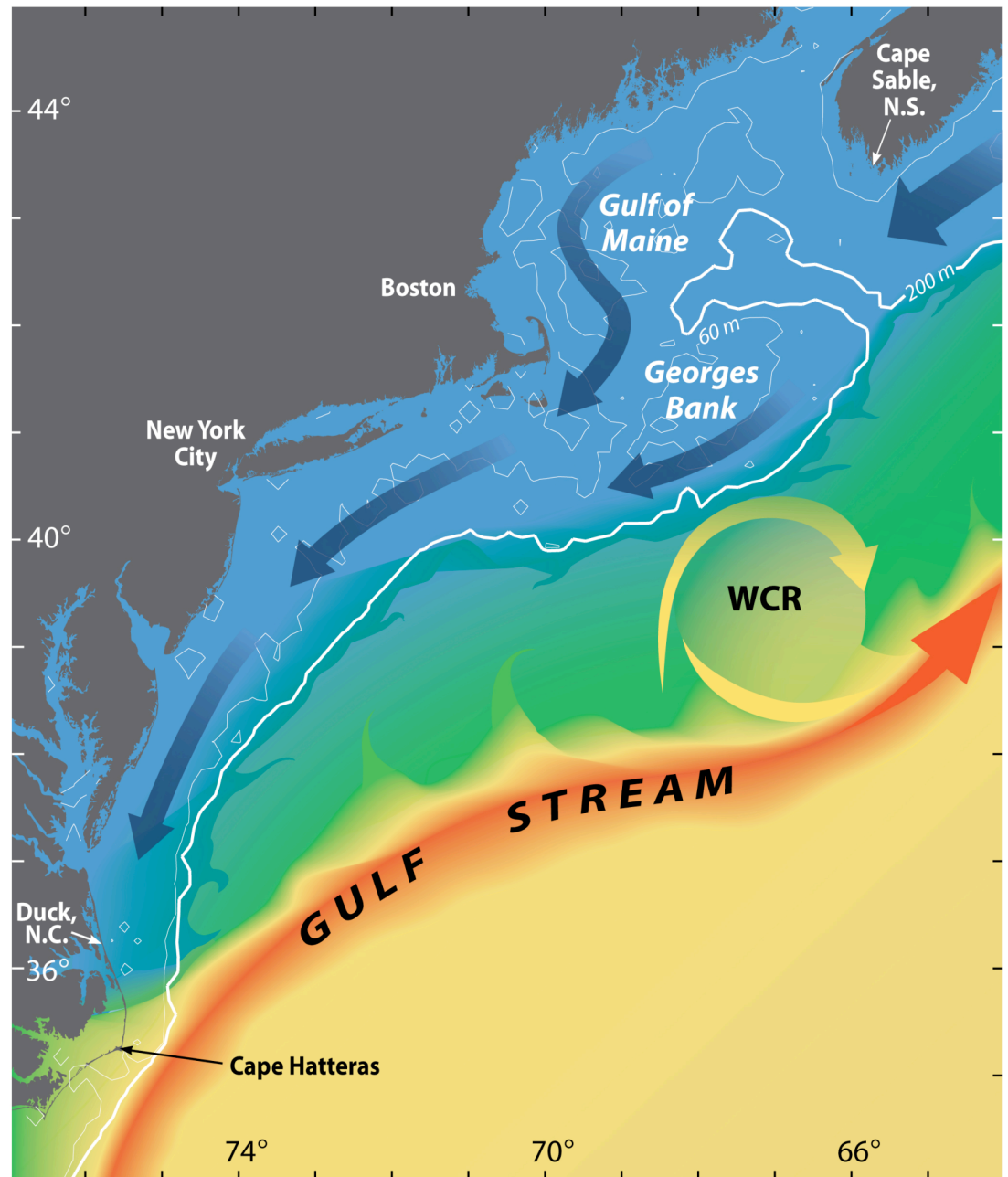


# Coastal Ecosystem Research in the Northwest Atlantic

WHOI workshop  
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Sponsored by the  
Coastal Ocean Institute

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# Initiative Objectives

Develop a research plan or “framework” that will advance our ability to measure, monitor, and analyze fundamental processes shaping the northwest Atlantic continental shelf ecosystem.

The concept is inherently interdisciplinary and brings together PIs from multiple WHOI Departments who share common interests.

The proposed product is a coupled observation and modeling framework that will enable predictive understanding of variability in the region.

This framework will integrate existing resources and promote a coordinated plan to acquire and focus the use of new resources.

# Initiative Approach

- Plan and conduct an Institution-wide workshop
- Produce a consensus document defining the science vision, observing assets, and discrete research components
- Obtain detailed information about relevant projects and funding opportunities
- Develop an implementation strategy

# Today's Workshop

## Scope

Articulate the vision and develop the implementation plan

## Motivation

Tap growth potential of interdisciplinary research

Reduce overlap, initiate partnerships, improve proposals

Provide input to Institution strategic plan, recruitment strategies

## Tasks

Review science drivers and inventory existing projects/assets/programs

Identify research/obs/modeling gaps based on science drivers

Identify specific activities that would benefit from coordination and facilitation from within the Institution

Develop strategy for taking best advantage of available resources and emerging opportunities

# Workshop Agenda

## Introductory Material

- 08:30 Initiative Background, Workshop Goals and Logistics [Sosik]
- 08:45 Existing Observational Assets on the NW Atlantic Shelf [Plueddemann]
- 09:00 Scientific Vision for Coastal Ecosystem Research [Trowbridge]
- 09:15 WHOI Development and the Initiative process [Anderson]
  
- 09:30 Coffee Break

# Workshop Agenda

## Opportunities

- 09:45 Oceans and Human Health (NIH) [Stegeman]
- 10:00 NOAA Ecosystem Programs [Pineda]
- 10:15 Carbon and Water Cycle (NSF) [McGillicuddy]
- 10:30 Mass. Technology Collaborative (MA) [Geyer]
  
- 10:45 Coffee Break
  
- 11:00 IOOS on the US East Coast [Beardsley]
- 11:15 ORION and the MAB Shelfbreak [Gawarkiewicz]
- 11:30 NASA and Ecosystem Research [Yoder]
- 11:45 Terrestrial and Atmospheric components [Peucker-Ehrenbrink]
  
- 12:00 **Working lunch**

# Workshop Agenda

## Responding to Opportunities

13:00 – 15:00 Working Groups

**How should the WHOI community respond to the existing opportunities?**

**What is the “next big program” that WHOI should advocate in the broader coastal community?**

**What are the observational priorities?**

15:00 – 15:30 Working Group Reports

15:30 – 16:00 Coffee Break

16:00 – 17:00 Consolidation of Working Group Reports  
Wrap-up Discussion