

# EAST COAST CLIMATE CHANGE SCENARIO PLANNING INITIATIVE

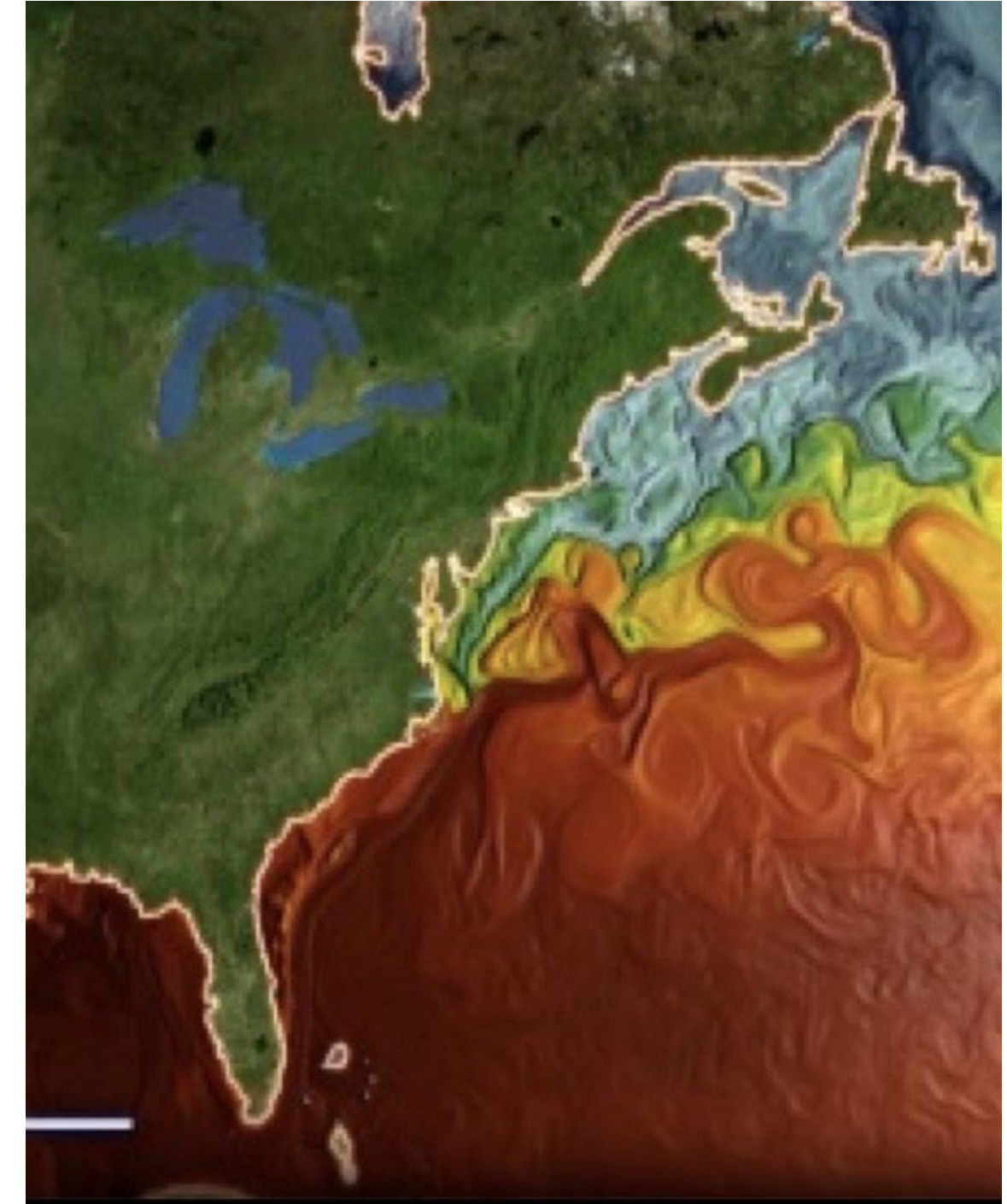
Update following:  
Climate Change Scenario Planning Summit  
Meeting

NRCC Meeting, May 9, 2023



# Agenda for Discussion

1. Summit Report Overview (15 mins)
2. Introduction to Action Plan (5 mins)
3. Overview of Findings (40 mins)
  - General/Process Recommendations
  - Cross-Jurisdictional Governance Potential Actions
  - Managing under Uncertainty Potential Actions
  - Data Sources & Partnerships Potential Actions
4. Discussion (180 mins)
  - Data Sources & Partnerships (45)
  - Managing Under Uncertainty (45)
  - Cross-Jurisdictional Governance (45)
  - General/Process Recommendations (45)





# Summit Report: Orientation

Introduction

Overarching Themes

Summit Design & Agenda

Theme Details:

- Summary of Breakout Group Conversations
- Summary of Suggested Potential Actions
- Plenary Discussion on Next Steps

Reflections & Concluding Thoughts

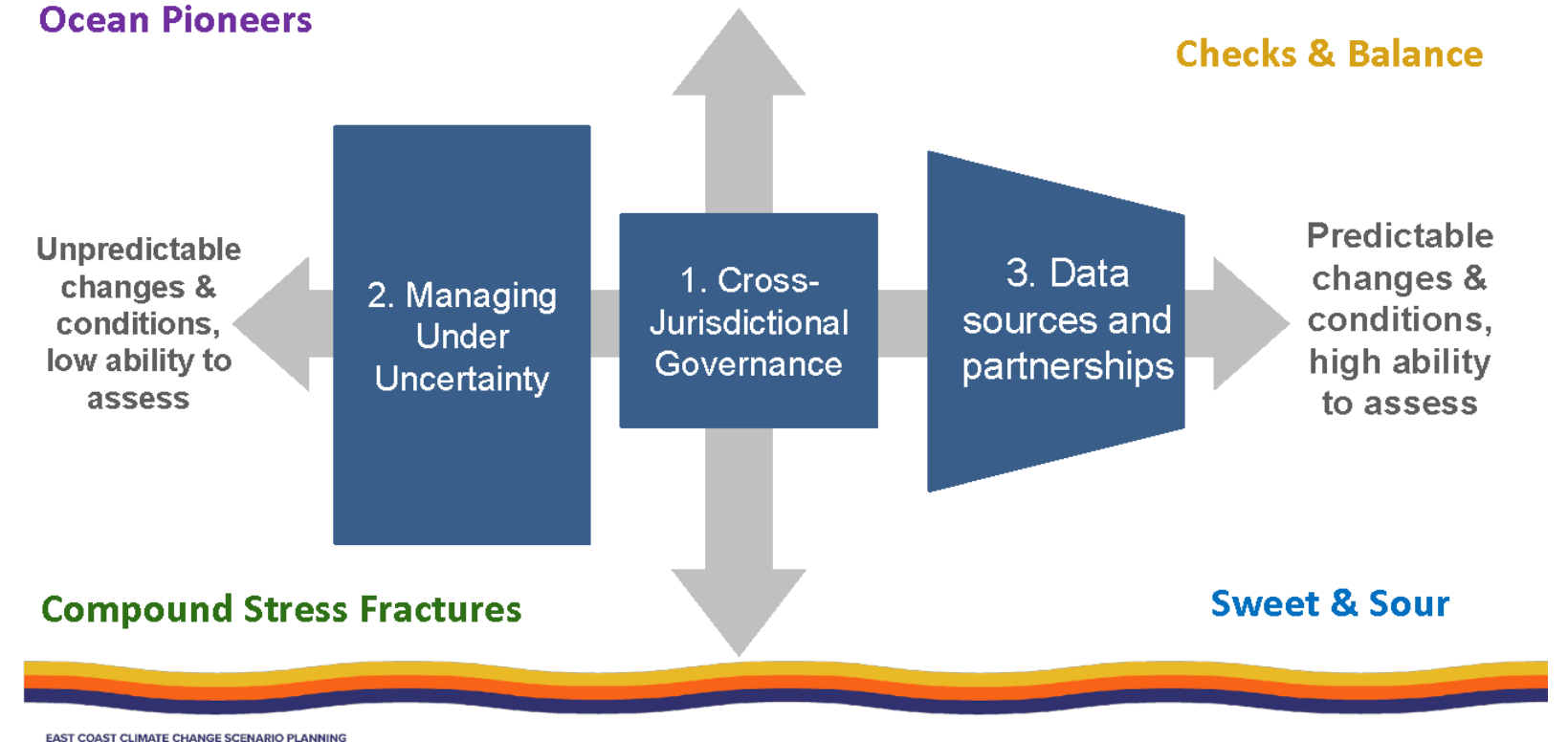
Appendices:

- Summit Participants
- Breakout Groups: Details Notes by Theme
- Results of Prioritization Exercise

## Key Topics identified by Councils/Commissions

Ocean Pioneers

Checks & Balance



### Data Sources & Partnerships - Potential Actions

Modernize data management to facilitate better sharing of data and prepare for an influx of new data streams (e.g. offshore wind data)

Focus on AI/technology development to more rapidly get data into assessments

Develop a process between management and science organization to prioritize data needs for climate-ready management (e.g., human dimensions data)

Prioritize recreational data collection to reduce uncertainty including developing incentives for better reporting

Hire staff dedicated to fostering partnerships and coordinating data collection/sharing between other ocean users, management bodies, and within Federal agencies

Expand study fleet, include recreational fisheries and ensure data are used, include shovel-ready data projects

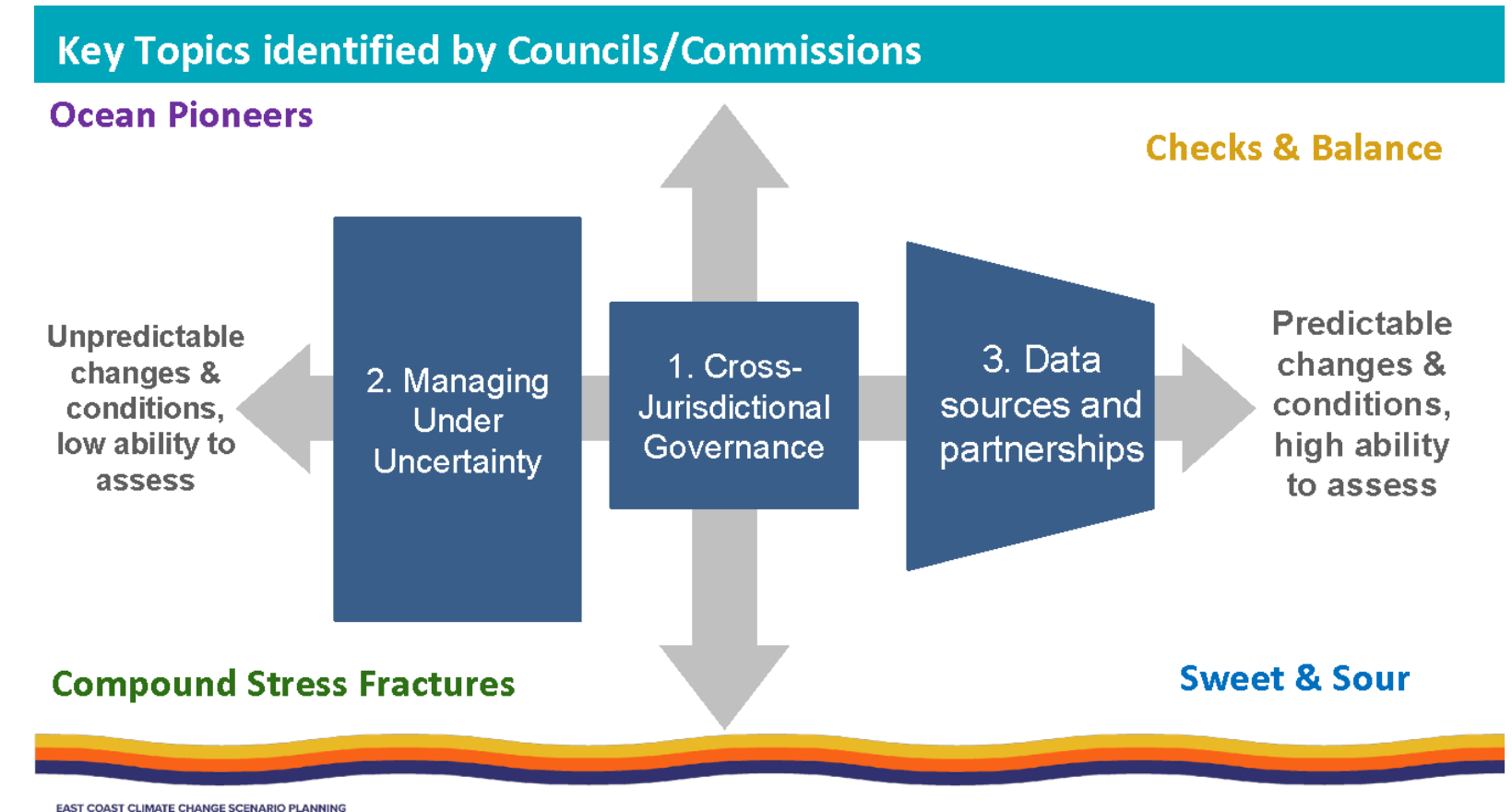
Use survey mitigation around offshore wind to transition to industry-based surveys or other survey platforms

Standardize data collection to breakdown geographic barriers along the East Coast (both state and federal)

## Discussion of Summit Proceedings & Report

Questions re: Summit proceedings?

Report clarifications or corrections?



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# Introduction to Action Plan

## Purpose of Action Plan

- Expand on ideas discussed at summit, particularly next steps for potential actions that did not receive plenary discussion
- Group potential actions according to common themes and next steps
- Intent that this becomes **living document** that is regularly revisited
- Used as **leadership planning tool to guide collective and individual priorities**

## Structure of Action Plan

- Potential Actions and Next Steps for Governance
- Potential Actions and Next Steps for Managing Under Uncertainty
- Potential Actions and Next Steps for Data Sources and Partnerships
- General and Process Recommendations
- “Parking Lot” - for potential actions from summit that are not prioritized now, but could be revisited later

# Introduction to Action Plan

## Things to Note About Potential Actions

- Some refer to “Climate Leadership Group” or “Climate Innovation Group” - proposed groups described in “General and Process Recommendations”
- Some items were consolidated from the summit report, based on similar themes and next steps
- Range in level of detail; some need further definition and assessment of feasibility
- Not all actions will be appropriate to apply universally
- Some could be taken on by one body; others would require collaboration among multiple or all groups

## NRCC Objectives for Action Plan Review

- Are the descriptions adequate and clear for common understanding of each item?
- Move actions that may be lower in priority or infeasible to begin addressing in near-term to a “parking lot” as appropriate
- Identify revisions needed to specific next steps and the associated group(s) that would address them
- Identify where additional groundwork is needed before considering certain issues
- General/process recommendations: identify the appropriate group(s) to continue pursuing this work, and timing for their formation and meeting frequency

# Back-Up Slides



## Steps in this Multi-Year Initiative



# Addressing Recommendations: Project Outputs

- ❑ **A set of scenarios** a few stories that describe – in qualitative terms – different ways in which a changing climate might affect the future of East Coast fisheries
- ❑ **A better understanding** of the challenges and opportunities facing fishery management in the future
- ❑ **A set of near-term and long-term management priorities** that help achieve fishery management objectives under a range of different future conditions
- ❑ **Policy recommendations** for broader governance changes that improve our ability to adapt to future scenarios
- ❑ **A list of** data gaps, research needs, and monitoring needs for changing conditions
- ❑ **A framework** for ongoing conversation and idea generation for all stakeholders to use

# Resulting Scenarios: East Coast Fisheries in 2040

## Ocean Pioneers:

A 'wild west' of new ocean users, risk-taking fishery operators taking advantage of confusing, unpredictable but ultimately positive conditions.

Unpredictable changes & conditions, low ability to assess

## Compound Stress Fractures:

A world with multiple sources of stress face operators and managers, where the industry fractures between some who play it smart, and others who lose out.

Mostly maintained

Stock productivity & replacement

Mostly declining

## Checks & Balance:

Where strong science combines with collaborative management to help mitigate and adapt to climate-driven changes in the ocean.

Predictable changes & conditions, high ability to assess

## Sweet and Sour Seafood:

A world where the science is good, but the news is bad. Success comes from anticipating lower stocks and preparing for new catch limits.

Predictability of conditions /

ability of science to assess by 2040

# Scenarios and Strategy



# Different Approaches to Placing Bets Across the Scenario Matrix

**ROBUST:** Pursue only those options that would work out well (or at least not hurt you too much) in any of the four scenarios

**HEDGE:** Make several distinct bets of relatively equal size, then wait and see what happens

**BET THE FARM/VISIONING:** Make one clear bet that a certain future will happen — and then do everything you can to help make that scenario a reality

**CORE/SATELLITE:** Place one major bet, with one or more small bets as a hedge against uncertainty, experiments, and real options

**EXTREMES:** Prepare for, or prevent, a worst-case scenario

