

#10a

EAST COAST CLIMATE CHANGE SCENARIO PLANNING

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**New England
Fishery Management Council**

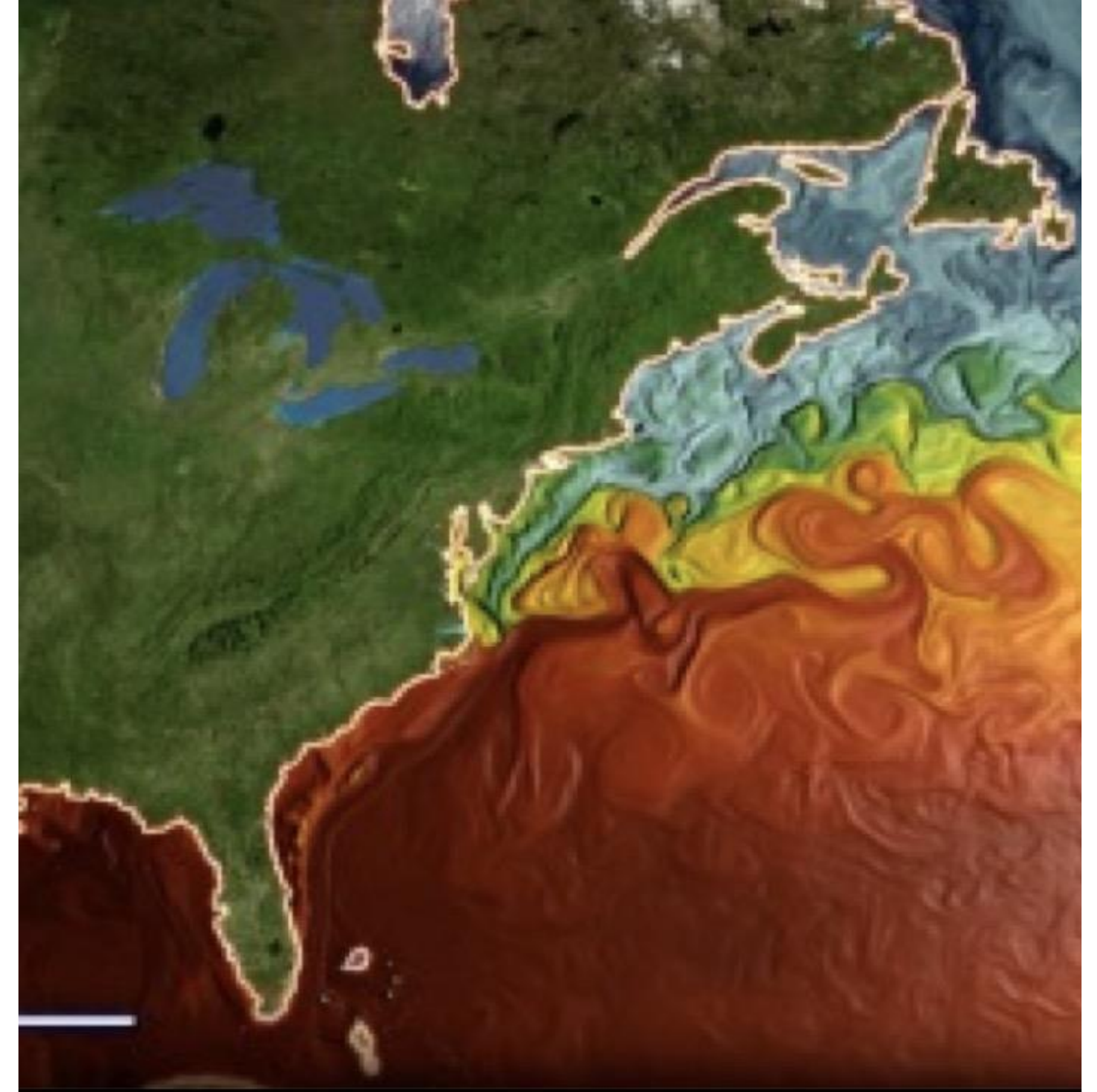


MID-ATLANTIC FISHERY
MANAGEMENT
COUNCIL



Initiative Objectives

1. Explore how East Coast fishery governance and management issues will be affected by climate driven change in fisheries, particularly changing stock availability and distributions.
2. Advance a set of tools and processes that provide flexible and robust fishery management strategies, which continue to promote fishery conservation and resilient fishing communities, and address uncertainty in an era of climate change.



Benefits of scenarios

1

Quicker reactions to a changing world

2

Early and broad risk identification

3

Innovative ideas

4

More considered decisions and flexible plans

5

Alignment towards a preferred future



Why are we creating scenarios?

Project Objective

Explore how East Coast fishery governance and management issues will be affected by climate driven change in fisheries, particularly shifting stock availability and distributions

Framing Question

How might climate change affect stock availability and distribution, and other aspects of East Coast marine fisheries over the next 20 years?

What does this mean for effective future governance and management across multiple jurisdictions?

Scenario Building Blocks

Pre-determined Elements

Factors or forces that are 'locked-in' and confidently predictable over the time horizon

Critical Uncertainties

Important forces that have the potential to move in alternative directions over the time horizon

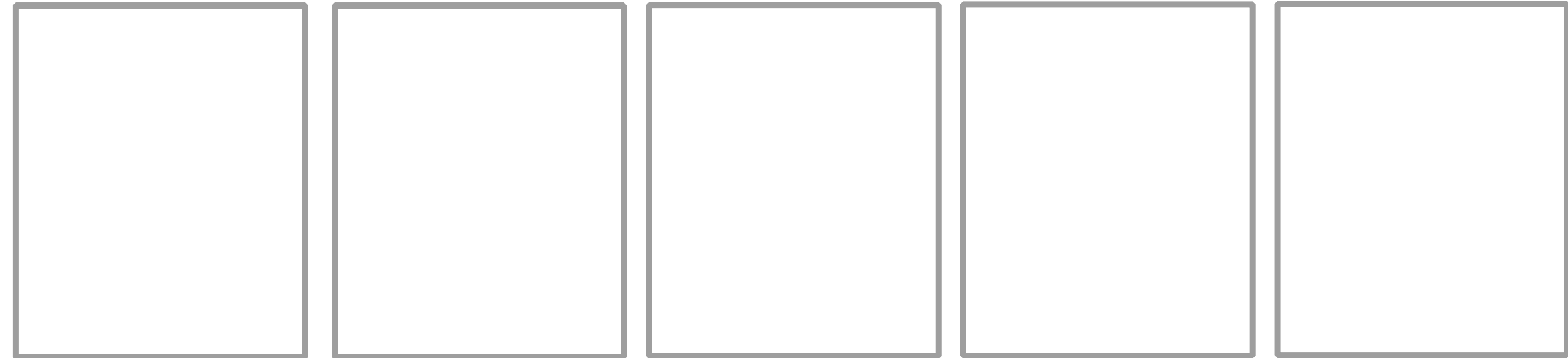
Wildcards

Low probability events and developments that could impact the future in significant ways in the time horizon

Mini-Scenario Creation (1)

Expected future

Choose five cards that, when combined, best describe the 'expected future' – the story that East Coast fishing generally assumes will happen given climate change between now and 2042



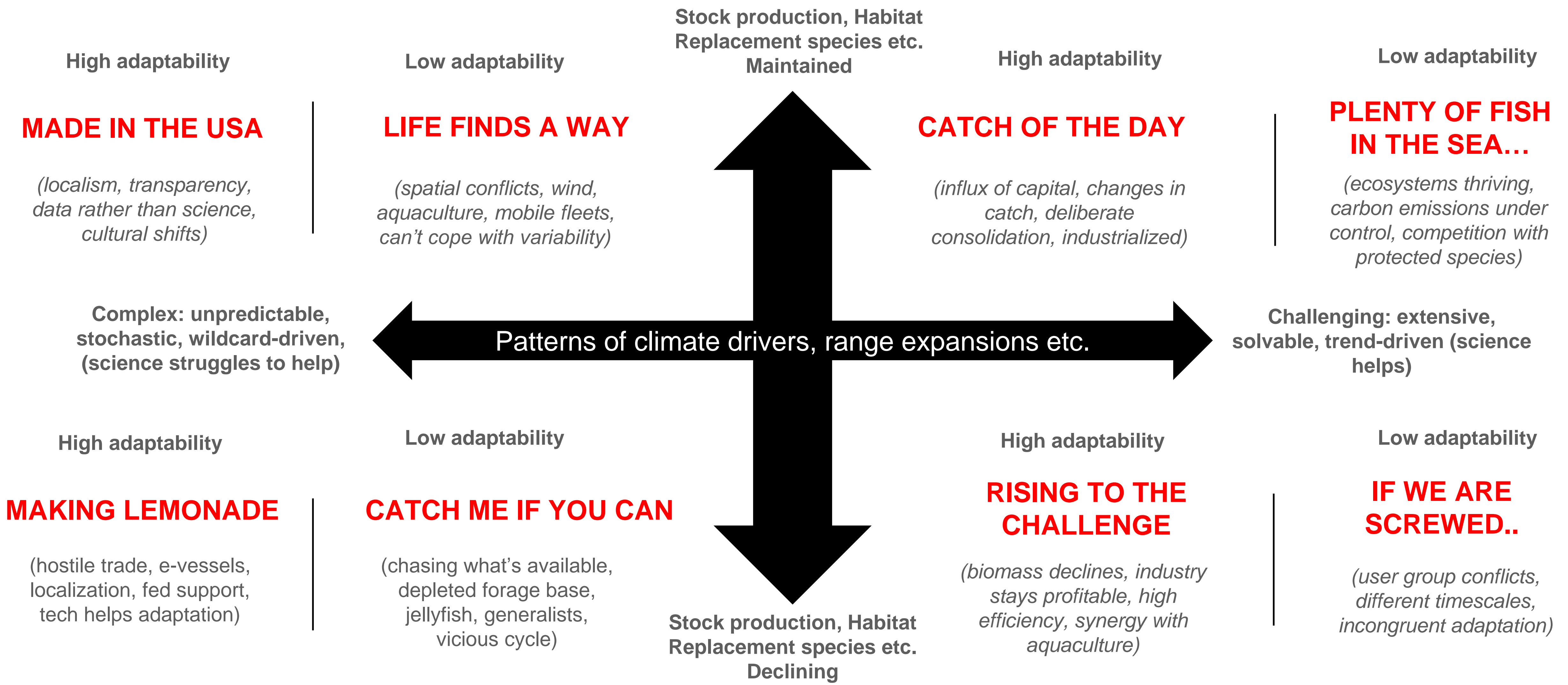
1. Briefly describe the future scenario that this combination of cards creates

2. What makes this scenario interesting?

3. What evidence exists today that makes this future seem plausible?

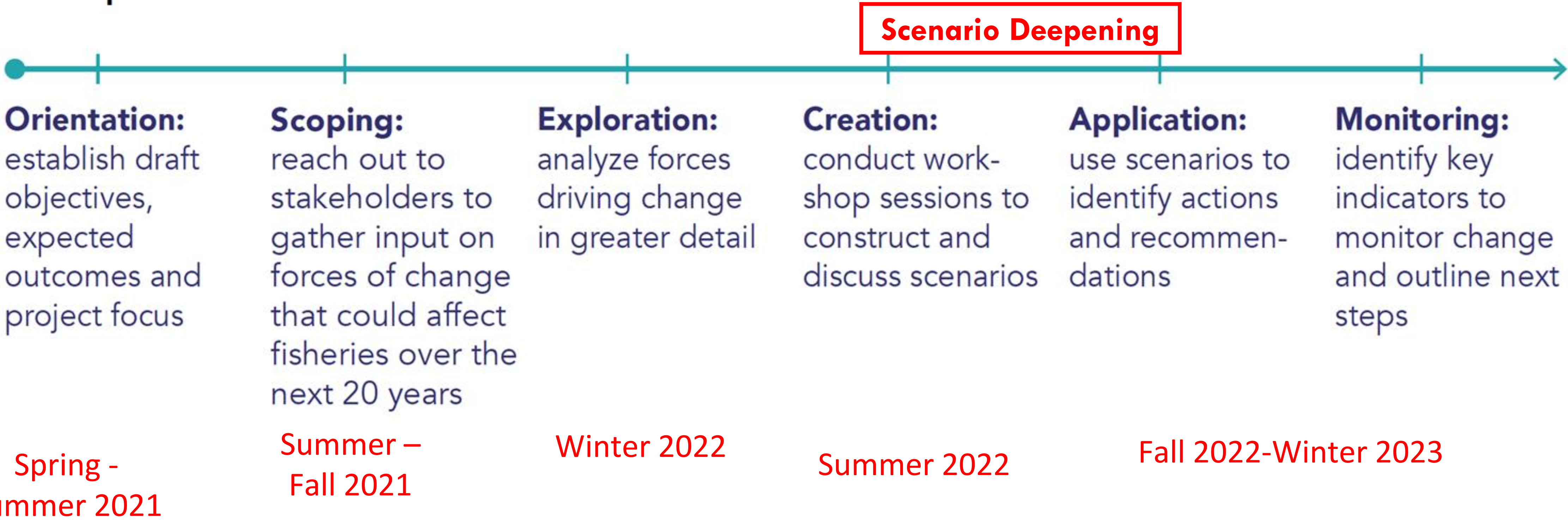
4. Give this scenario a memorable name

ECSP Draft Scenario Framework



East Coast Scenario Planning Initiative Timeline

Steps in this Multi-Year Initiative



1. Review of inputs from this workshop (core team)
2. Edit inputs / refine scenarios to create a first draft set of scenarios
3. Organize 3-4 scenario deepening webinars (End July - August)
 - Available to public
 - Communicate the basic stories of each scenario
 - Check for plausibility, relevance, challenge, memorability, divergence
 - Suggestions for how to improve the stories across those dimensions
 - Specific regional, stakeholder, species storylines
 - What's missing? What would you add?

- Planned conversations at Fall meetings
 - SAFMC
 - MAFMC
 - NEFMC
 - ASMFC
- Potential for other conversations/webinars with specific groups
- All to generate ideas for management and governance changes under different conditions of each scenario
- Followed by a Summit meeting to review all ideas and prioritize / suggest recommendations

*“Scenarios are stories.
They are works of art rather than
scientific analyses. The precision of
[their content] is less important than
the types of conversations
and decisions they spark.”*

Arie de Geus,
The Living Company

*De Geus is a former corporate planning director for Royal Dutch Shell. Shell
pioneered the application of scenario planning to the business world.*

