

B1 Climate Scenarios Workshop Planning Update

Katie Latanich, April 2024



Overview

- Workshop: June 5-6, 2024 in Kodiak
- Today's focus: Workshop information, expectations and outcomes
- Draft agenda
- Scenarios & discussions



Registration



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CLIMATE SCENARIOS WORKSHOP

June 5-6, 2024, Kodiak, Alaska

The Council is holding a two-day Climate Scenarios Workshop in Kodiak, AK on Wednesday, June 5th and Thursday, June 6th in conjunction with the Council's June meeting in Kodiak, AK.

Workshop Registration

About Scenario Planning

Draft Agenda



All participants, including Council, SSC, and AP members, are asked to register in advance to confirm your participation. Registration link available at <https://www.npfmc.org/climate-scenarios-workshop/>



Draft agenda (under B1)

- Timing and presentations may change; final agenda to be published in May
- Four breakout sessions (3 scenario discussions, one on next steps)
- Day 1: context setting and where we are now; Day 2: alternative futures
- 3 context setting discussions



B1 Draft Workshop Agenda
April 2024

Day 1/Wednesday, June 5 - Short term

- 8:00 - 8:30** **Opening remarks**
- *Katie Latanich, NPFMC staff (purpose and objectives, approach, logistics)*
 - *Council, SSC, and AP leadership (proposed)*
- 8:30 - 10:30** **Defining "climate readiness" and Council pathways**
- Describe the range of pathways (scientific, regulatory, procedural, policy, Council and public process, and initiatives the Council could use or that are already under development to support climate readiness, including the IRA work plan, LKTK policy and onramps, and PEIS process).
- *Tabletop discussions - What does climate readiness mean, from your personal perspective and/or your role in the Council process?*
 - *Short presentation - Climate Readiness Synthesis and elements of climate readiness (Council process and management tools, assessments, information sources and pathways)*
 - *Gulf of Alaska community adaptation and resilience planning*
 - *Panel/reactions discussion*
- 10:30 - 10:45** **Break**
- 10:45 - 12:00** **Case studies**
- Revisit recent experiences with climate-related disruptions and reflect on how these lived examples can inform discussions of future scenarios. May include:
- *Gulf of Alaska Pacific Cod*
 - *Bering Sea snow crab*
 - *Rapid change in the Northern Bering Sea*
 - *Sablefish recruitment*
- 12:00 - 1:15** **LUNCH**
- 1:15 - 2:15** **Introduction to scenario planning**
- Introduce the approach of scenario planning and intended outcomes, provide an overview of workshop scenarios, and introduce breakout discussion tasking.
- 2:15 - 2:30** **BREAK**
- 2:30 - 4:00** **Breakout: Status quo/current scenario**
- 4:00 - 5:00** **Reactions and potential next steps**
- *Panel session*
 - *Group discussion*



Draft agenda (under B1)

Day 1 Context setting: 3 sessions to help participants engage

1. Defining “climate readiness” and Council pathways

- Develop a shared and inclusive understanding of “readiness” and the range of pathways the Council can use to advance climate readiness, including PEIS process, IRA workplan, LKTK protocol and onramps

2. Case studies

- Anchor discussions of hypothetical scenarios in shared, lived experience

3. Introduction to climate scenario planning

- Introduce scenarios and discussion approach



Scenario planning background memo (under B1)

Key messages about **scenario planning**

- Planning for climate readiness requires planning for a range of possible futures
- Scenario planning involves exploring multiple plausible future scenarios to identify steps for building readiness in an uncertain and unpredictable future



Scenario planning background memo (under B1)

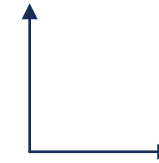
Key messages about **scenarios**

- Scenarios **are not** meant to be predictive (what *could* happen, not what *will* happen)
- Scenarios **are** based in quantitative climate projections
- The time frame for scenarios is not fixed
- Each short scenario includes similar ingredients: global trends, climate trends, management, technology and information, and fisheries and communities
- In all scenarios we're experiencing more frequent and more severe climate change impacts



Scenario planning background memo (under B1)

We will use scenarios to explore two key uncertainties or axes



One axis is exploring the space of **ecosystem-based management tools**

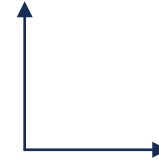
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More **cross-sector** coordination and accounting for **interactions** between species (ecosystem-based management or EBM)

More **single-species** focused: Ecosystem information is incorporated on a stock-specific basis (ecosystem approach to fisheries management or EAFM)



Scenario planning background memo (under B1)

We will use scenarios to explore two key uncertainties or axes



One axis is exploring the degree of **ecosystem change and predictability**

Important: In all scenarios we're experiencing overall warming and increased frequency and magnitude of climate impacts



More predictable and a **lower** degree of change: periodic climate shocks and events

Less predictable and a **higher** degree of change: extreme events and shocks re common; major impacts to ecosystem structure and function



Scenario discussions

The very big picture: two-part discussion of each scenario

- Scenario **exploration** – what might it be like to live in this scenario? What are the causes for optimism and concern? What are the pressures facing fishery managers, fishery participants, and communities?
- Scenario **implications** – if you were living in this scenario, what might you need from management and science? What tools, approaches, information products, sources, etc. could help support climate readiness? How might communities of place and practice support climate readiness?



Facilitation

A more focused example: what do we need from the management process?

In all scenarios, we can expect more frequent **extreme events** but our **ability to predict** and prepare for them varies.

- If we have strong predictive capabilities, what else do we need to communicate and act on this information?
- If we don't have strong predictive capabilities, or ecosystems are changing so rapidly we're in reactive mode and are more reliant on real-time information, what do we need from a management process that can respond quickly and support readiness with little advance warning?



Workshop outputs

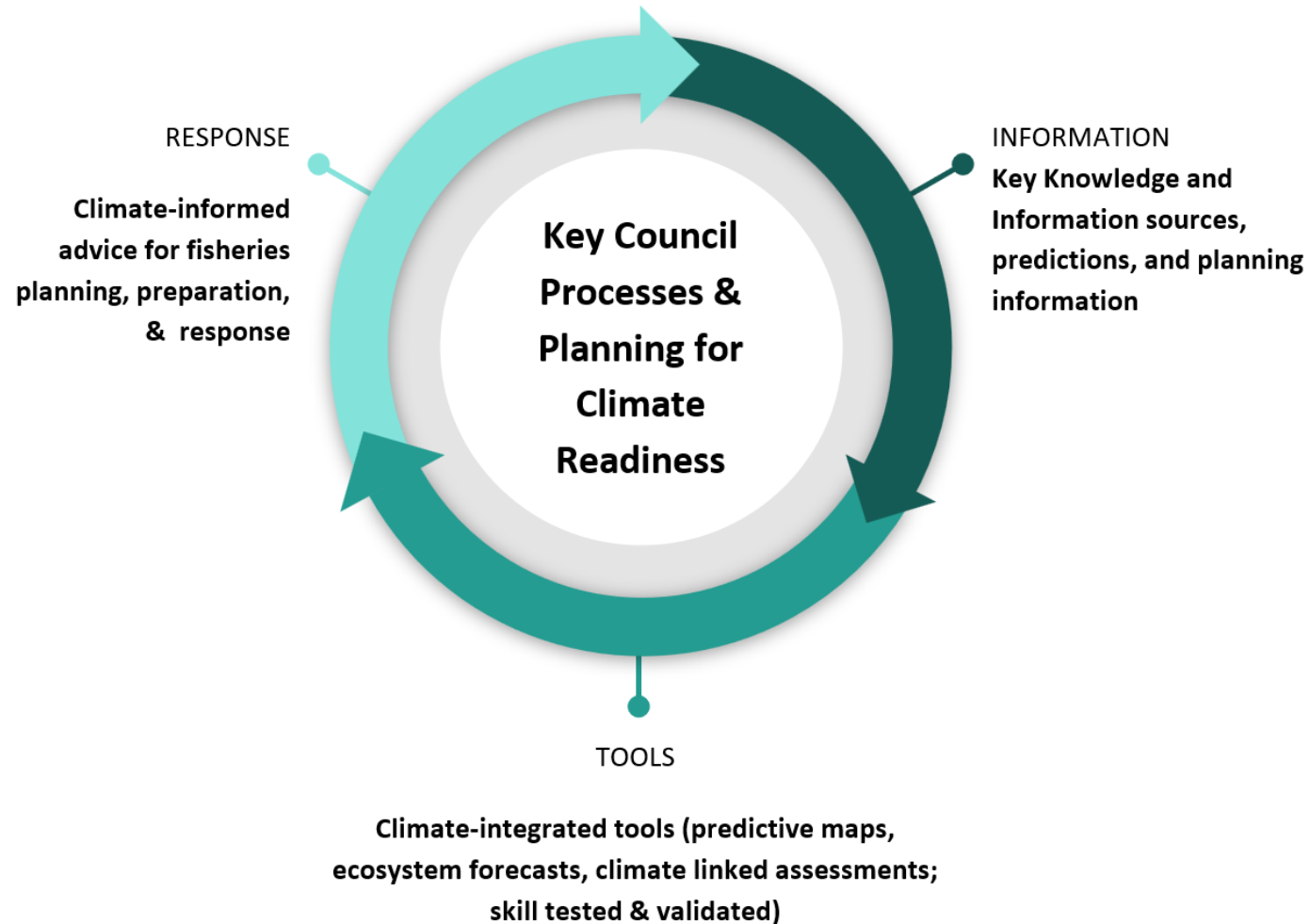
From CCTF November 2023 Report (D2, December 2023)

Outcomes and deliverables may include but are not limited to:

- 1. Identification** of existing and potential climate change-related adaptations and responses, and key risks, barriers, and traps, as well as potential solutions across financial, social, and policy realms.
- 2. Synthesis** of potential tools and resources to support resilient fisheries, fishing communities, and fisheries management through the Council process, such as:
 - Tactical and strategic measures/actions, both near-term and long-term,
 - Feasible tools, incremental changes as well as larger/long-term recommendations and potential innovations,
 - Climate-informed tools and approaches, needs, and limits.
- 3. Identification** of the critical gaps in the information, tools, and processes to support effective responses and robust planning.
- 4. Summary** of recommendations and opportunities that may inform ongoing and future Council actions and policies under a changing climate.



Workshop outputs



Expectations & engagement



Pre-meeting virtual discussions

Three interactive sessions, available live via Zoom and recorded

Each will include short talks or panels, moderated discussion, and Q&A

Session 1: Climate change impacts in an uncertain future

Wednesday, April 24, 2024 1:00-2:00 pm AK

Session 2: Defining climate readiness

Tuesday, April 30 2024 1:00-2:00 pm AK

Session 3: Introduction to scenario planning

Tuesday, May 14 2024 1:00-2:00 pm AK



Pre-meeting materials

- Agenda
- Scenarios and visuals
- Scenario planning background memo
- Discussion questions
- Pre-workshop memo from leadership
- Logistical details

Reminder! All participants including Council, SSC, and AP members are asked to register in advance to confirm your participation.

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<https://www.npfmc.org/climate-scenarios-workshop/>



Dates and milestones

Month	Tasks & outputs
Jan – March	<ul style="list-style-type: none">• Agenda development• Scenario development• Early communications• Open registration
April	<ul style="list-style-type: none">• Council meeting update & briefing book materials (draft agenda, climate scenario planning memo)• Finalize scenarios and visuals• Virtual session #1 – April 24, 1pm AK• Virtual session #2 – April 30, 1 pm AK
May	<ul style="list-style-type: none">• Virtual session #3 – May 14, 1pm AK• Release final scenarios and visuals; additional pre-meeting materials• Finalize agenda• Facilitation prep and final logistical planning
June	WORKSHOP JUNE 5-6



Next steps

Questions?

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