



**NORTH PACIFIC**  
FISHERY MANAGEMENT COUNCIL

# .....ate Scenarios Workshop

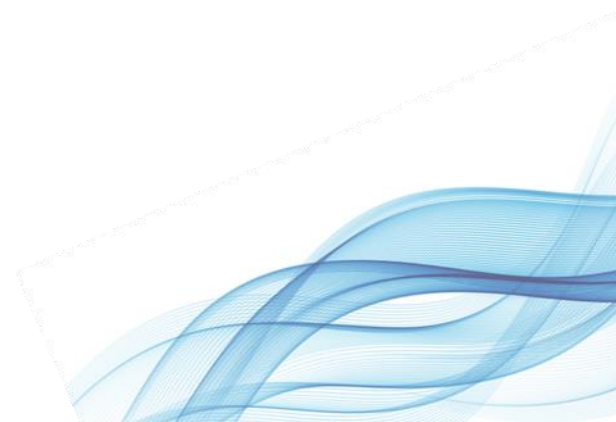
**Welcome! We will resume at 1:15 pm AK  
in the main meeting/Zoom room**

Wi-Fi: MKTP Guest, Password 23Marketplace#




# Breakout 2 and 3 recaps (2 minutes each)

- Green – Mike Litzow
- Blue – Kirstin Holsman
- Purple – Jason Gasper
- All regions – Kalei Shotwell/Stephani Zador
- BSAI – Carey McGilliard (for Ian Stewart)
- Red – Ebett Siddon
- Orange – Erin Fedewa
- Yellow – Franz Mueter



## Breakout 4:

# Siloed management and high challenges

- In person: breakout assignments on nametags
  - Virtual: Breakouts are not assigned. You will leave the main Zoom room (this meeting) and join the breakout group of your choice (BSAI or all regions). **Links to Zoom breakouts are available in the eAgenda, detailed workshop agenda, and in your email.**
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# Breakout assignments

- Transition directly to breakouts (no break!)
- Breakouts will conclude at 3:15pm AK, followed by a short break.
- We will reconvene in this room (main Zoom meeting room for virtual participants) at 3:30 pm AK.



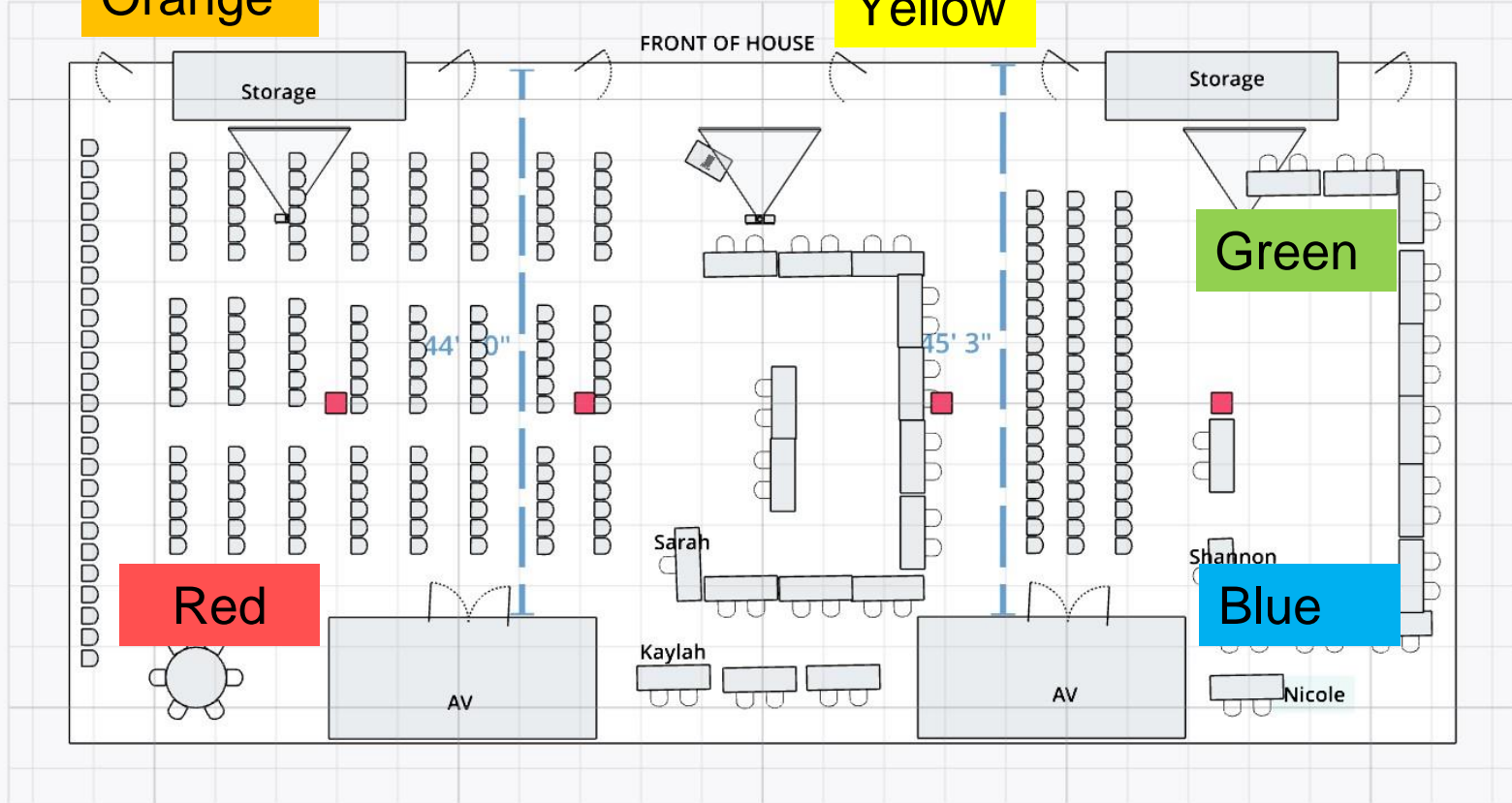
Orange will meet in the hallway today

Purple

Sea Otter Boardroom – opposite side, this floor

Orange

Yellow



Storage

FRONT OF HOUSE

Storage

Green

Red

AV

Sarah

Kaylah

AV

Shannon

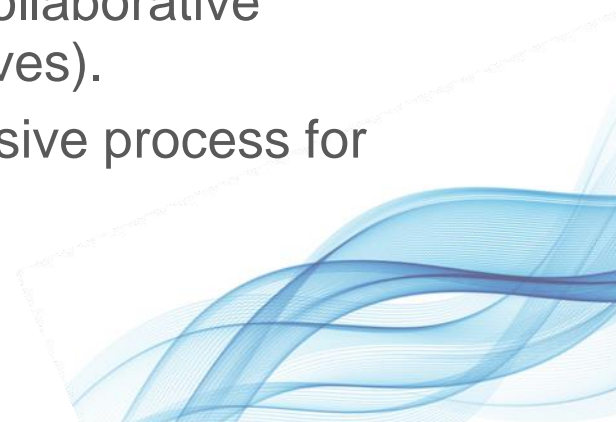
Blue

Nicole

44' 0"

45' 3"

# Discussion questions

- What does climate resilience look like in each scenario?
  - What are the challenges to climate resilience?
  - What management tools and approaches could help?
  - What scientific tools and information could help?
  - What other assets and opportunities could help support climate resilience? (E.g., diverse knowledge sources, collaborative approaches, community and industry-led initiatives).
  - How can the Council support a robust and inclusive process for climate readiness planning?
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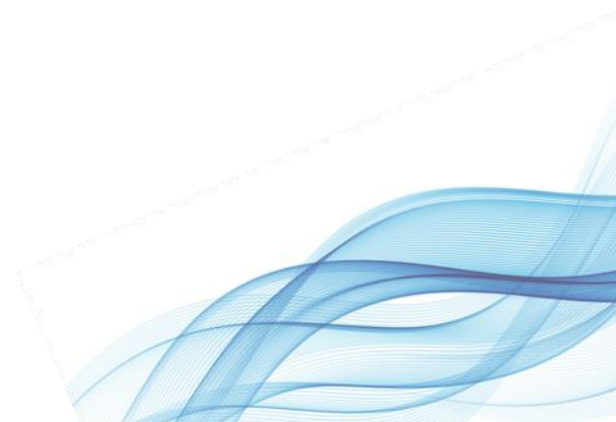
# BREAK

Please reconvene in the main meeting room at 3:35 pm  
Virtual participants, please leave the main Zoom meeting room  
(this room) and log into the breakout of your choice.




# Breakout 4 recaps (2 minutes each)

- All regions – Marysia Szymkowiak/Meaghan Bryan
- BSAI – Carey McGilliard
- Red – Diana Evans
- Orange – Dana Hanselman
- Yellow – Katie Latanich
- Green – Sarah Wise
- Blue – Katie Palof
- Purple – Rob Suryan





# Discussion

- What steps and conversations would you want the Council of 2024 to have considered to lay the groundwork for climate readiness and resilience in a range of potential futures?
  - What concrete actions do you consider high priorities for the Council community to consider in the short term (1-5 year range) and in the longer term? These could include region-specific ideas, as well as ideas that apply to all ecosystem regions (Bering Sea, Aleutian Islands, Gulf of Alaska).
  - What will help build confidence in new methods and tools as they become available?
  - How can the Council support a robust and inclusive process for climate readiness planning?
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# Scenarios 2 and 3 recap

Bob Foy, AFSC Director

Anne Hollowed, former SSC chair, UW

Diana Stram, Council staff



# Attributes of Scenario 2

- Unlikely State of Nature
- Inclusivity, 2-way communication -Enhanced trust amongst user groups
- Shift from focus on sectoral differences to holistic view of management.
- Robust data streams, increased use of fishery dependent data, increased use of information from diverse knowledge systems
- Shift to pro-active rapid uptake and response system
- Improved collaboration and space for informal communication
- Flexibility in implementation of laws to accommodate non-stationary conditions
- Increased capacity building and interdisciplinary training
- Joint understanding of terrestrial and marine ecosystems – with particular improvements in anadromous fish management.

## Attributes of Scenario 2 continued

- Bycatch reduced by technology
- New off-ramps for fisheries in crisis such as cross-lease quota
- Tools to evaluate tradeoffs, thresholds and quantify vulnerability. MSEs to evaluate tradeoffs in decision making
- Reliable ecosystem indicators that could trigger management responses
- rapid disaster response funding

# Challenges Scenario 3

- Science may not keep up with pace of change
- Decisions made in the face of uncertainty
- Inevitable trade-offs based on uneven outcomes of climate change
- Difficulties in finding common ground to build trust
- Preparing for new targets
- Reduced incentives to enter fisheries
- Potential for single points of failure in the ecosystem and management.
- Increased food security concerns
- Increased demand for protein from the sea
- Increased interest in lower trophic level fisheries
- Increased interest in expanding fisheries into previously unexploited systems

## Solutions for Scenario 3 – short-term

- Building more flexibility into rationalization programs
- Utilize emerging fisheries as test cases for alternatives to rationalization
- To address greying of the fleet, possibly consider crew shares
- Framework agreements to achieve bycatch reduction and the harvest control rules to speed decision making
- New marketing approaches – increased fresh fish marketing locally
- Scaled buffers to level of uncertainty (precautionary management)

# Solutions Scenario 3 – Long-term

- Understanding vulnerability among sectors
- Increased communication from and to the Council
- Enhanced trust and understanding of common values
- Protection of stability during times of change
- Balancing national standards
- Mitigation options
- Improved planning tools and evaluation of trade-offs horizons derived from socio-ecological models

# Next steps and wrap up

- What steps and conversations would you want the Council of 2024 to have considered to lay the groundwork for climate readiness and resilience in a range of potential futures?
- What concrete actions do you consider high priorities for the Council community to consider in the short term (1-5 year range) and in the longer term? These could include region-specific ideas, as well as ideas that apply to all ecosystem regions (Bering Sea, Aleutian Islands, Gulf of Alaska).
- What will help build confidence in new methods and tools as they become available?
- How can the Council support a robust and inclusive process for climate readiness planning?





# After the workshop: Synthesis and summary

- Google form open through end of June – additional ideas and reflections, will be incorporated into final report
- June: Post-workshop preliminary discussion during staff tasking (AP and Council)
- September: Workshop report
- October: Council discussion of next steps; consider how ideas from the workshop may fit into new or existing Council initiatives, and consider how and when to take further action



Thank you for your participation!

Additional thanks to CCTF members, facilitators, notetakers, and speakers!

Reminder: Kodiak Seafood Reception tonight recognizing  
Council member Andy Mezirow  
Afognak Building, 6-9 pm

Shuttles from 5:30-7pm to the reception  
Return shuttles 7:30-9pm

