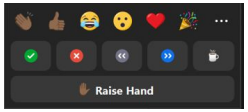
Zoom “How To’s” -

- On the left-hand side, you’ll find the mute button

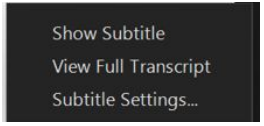
- In the middle of the tools bar is the chat feature. Type a message to everyone or select one recipient by clicking on the down-arrow to send a private message.

- By clicking on the reactions icon, you will pull up your non-verbal cues. There may be times you may wish to “Raise your hand,” or send other cues to your host such as “slow down,” “yes,” or “no.”



- You may want to pause your video to take breaks. You can turn your video off by clicking “stop video” directly next to your mute button

- If you would like to turn on closed captioning during the meeting, you may do so by clicking the Live Transcript button, found next to the reactions, and select “Show Subtitle” to display captions.



- If you want to change how you view participants, in the top right-hand corner of the Zoom screen you will see either “speaker view” or “gallery view”, choose whichever works best for you!

If you are experiencing technical issues, please email Sarah Ramsey at SarahRamsey@dueeastpartners.com

NEW YORK STATE | Department of Environmental Conservation

This Meeting is being **Recorded

New York Shellfish Restoration Council Meeting

January 17, 2023, 4-6 p.m. ET

Shellfish Restoration Council Updates

- Last time we met was **June 7, 2022** where we:
  - **collected feedback** on what the NYS Marine Shellfish Restoration Plan should address and how the Plan should be developed
  - introduced Due East and Pew as **co-facilitators**
  - discussed the **4 topic-specific work groups' charge**
- New SRC membership:
  - *next slide…*

New York Shellfish Restoration Council (SRC) Membership

- **Dr. Christopher Gobler**, SUNY Stony Brook, **Co-chair**
- **Pete Malinowski**, Billion Oyster Project, **Co-chair**
- **Christopher Pickerell,** Cornell Cooperative Extension of Suffolk County, **Co-chair**
- **Dr. Jeffrey Levinton**, SUNY Stony Brook
- **Carl LoBue**, The Nature Conservancy
- **Dr. Emmanuelle Pales Espinosa**, Stony Brook University's Marine Animal Disease Lab
- **Marty Byrnes**, Town of Islip
- **Shavonne Smith**, Shinnecock Indian Nation Environmental Department
- **Karen Rivara**, Long Island Farm Bureau
- **Chuck Westfall**, Long Island Oyster Growers' Association
- **Jim Lodge**, Hudson River Foundation
- **Elizabeth Cole**, LI Regional Planning Council/Long Island Nitrogen Action Plan
- **Jane Houdek**, Nassau County Department of Public Works
- **Adrienne Esposito**, Citizens Campaign for the Environment
- **Michael Kokell**, Brookhaven's Baymen's Association
- **Susan Filipowich**, Suffolk County Gov't Shellfish Aquaculture Lease Program
- **Willy Caldwell,** Southampton Baymen's Association
- **Derek Schleede,** Ocean Rich Distributors
- **DEC**, Ex-Officio **(Debra Barnes, Wade Carden)**

Name: Newly added to SRC

Today's SRC Meeting Agenda

- The New York Shellfish Restoration Plan's Development Progress and Key Players
- The Plan's Development Progress
    - Fall 2022 Visioning Series
    - 4 Topic-specific Workgroup Outlines
- NOAA's Shellfish Initiative Opportunity
- Next Steps and Timeline

Norms of Engagement

- Equity of voice
- All types of expertise are valued including lived/living experience
- Listen to understand
- Respond with “yes, and…” to offer a different view
- Seek “both/and” solutions
- Balance inclusion and efficiency

The New York Shellfish Restoration Plan Progress

- **2017**: former Governor Andrew Cuomo established the NY **Shellfish Restoration Council** (SRC) as part of the state's Shellfish Restoration Initiative to support and guide shellfish restoration efforts throughout New York's coastal waters.
- **2019**: the SRC engaged The Pew Charitable Trusts on the opportunity to **develop the state's first** shellfish restoration plan
- **2021:** the SRC gave support for the development of the **New York Shellfish Restoration Plan**
- **2022**:
  - Due East Partners joined Pew as **co-facilitators** of the Plan's development
  - the Plan's Steering Committee and Topic-specific Workgroups convened monthly and **began developing the the Plan.**

Introduction: SRC Co-chairs and Facilitation Team

SRC Co-Chairs

CHRIS PICKERELL
Cornell Cooperative Extension

CHRIS GOBLER
Stony Brook University

PETE MALINOWSKI
Billion Oyster Project

Facilitation Team

AARON KORNBLUTH
The Pew Charitable Trusts

ZOE YUKI GOOZNER
The Pew Charitable Trusts

MIKE SKUJA
The Pew Charitable Trusts

LAUREN MADDOX
Due East Partners

SARAH RAMSEY
Due East Partners

Co-creating a Shared Vision and Plan: Fall 2022 Visioning Series

- **Visioning 1 - Oct 11, 2022**:
  - Share **key findings and insights** from the survey and initial work group discussions
  - Develop a clear and compelling **vision** and **purpose**
  - Identify measurable population- and watershed-level **Results**
- **Visioning 2 - Oct 25, 2022**:
  - Strengthen the draft **vision** and **purpose** and population- and watershed-level **Results**
  - Co-create initial **priorities** and **strategies** to determine what we'll collectively focus on and steps we'll take to achieve our vision
- **Visioning 3 - Nov 7, 2022**:
  - Confirm **Vision**, **Purpose** and **Results**
  - Strengthen **priorities** and **strategies**
  - Co-create **guiding principles** or set of values that will guide how we will work together to achieve our vision

Key Strategic Elements Definitions

Vision = Ultimate good or societal impact that we are working together to achieve

Answers:

- Why? So what?
- Where?

Purpose = Our unique role working in partnership to achieve our future vision

Answers:

- What?
- For whom?

Guiding Principles = Shared beliefs about how we will execute our mission and achieve our vision

Answers:

- How?

Result(s) = Measurable, long-term impact we will achieve working in partnership with others toward a shared vision

Priorities = The *most important* areas of focus to advance our vision over a period of years

Strategies = A cohesive set of planned actions and approaches that advance priorities in pursuit of measurable, long-term impact

Performance Measures = A quantifiable measurement of the organization's success over time for a specific strategy or set of strategies

DUE EAST PARTNERS

DUE EAST PARTNERS

Draft Principles

- **Connect shellfish restoration to human well-being** - Show how thriving native shellfish populations benefit the coastal waters and the people of NY.
- **Embrace the diversity of NY's marine ecology and our coastal communities,** customize restoration efforts to reflect local history, and cultures.
- **Lead with science and field experience,** sharing and using what works.
- Focus on **ecological function, adaptive capacity,** and **equitable, enduring impacts.**
- **Be strategic and holistic.** Coordinate restoration efforts and plan for long-term maintenance and sustainability.
- **Build trusted, long-term relationships** with the people directly impacted by our work, providing authentic opportunities to shape decisions and solutions.

VISION

Healthy marine ecosystems with abundant and sustainable shellfish lead to cleaner waters and resilient New York coastal communities.

PURPOSE

The New York State Marine Shellfish Restoration Plan will guide collective action by public and private partners to effectively restore and sustain the state's once-thriving shellfish populations and expand ecosystem services.

RESULTS

- Sustainable wild shellfish populations living in healthy, climate-resilient ecosystems
- Clean, accessible coastal waters
- Enhanced climate resilience for coastal communities
- Thriving shellfish industry strengthens and sustains NY's maritime economies and heritage

PRIORITIES AND STRATEGIES

Increase pace, scale, and sustained impact of shellfish restoration	Remove regulatory barriers to make shellfish restoration more accessible and efficient.	Grow public engagement across diverse geographies and communities for shellfish restoration.	Apply adaptive management approaches for sustained shellfish restoration success.	Support the strategic expansion of restorative shellfish aquaculture.
• Use the best available science and field expertise to develop policies and an active "community of practice". • Build and deepen partnerships with the Governor's office and Legislature for their support. • Expand incentives for shellfish restoration and the ecosystem services provided. • Inventory gaps in funding, capacity, and resources to make the case for increased private and public funding. • Use past successes to educate the public and funders about the importance of restoration efforts.	• Rectify permitting roadblocks and other regulatory obstacles that restoration projects face when trying to begin or expand. • Fill capacity gaps in both the regulatory and applicant sides for increased regulatory efficiency. • Clarify, simplify, and streamline the permitting process through rule-making. • Facilitate better alignment of coordination and approval processes among regulatory and permitting authorities.	• Assess existing community engagement in shellfish restoration to eliminate barriers to participation. • Grow awareness of and support for the benefits of nature-based solutions that shellfish restoration provides. • Facilitate new partnerships and restoration opportunities that reflect community priorities and their rich cultural diversity. • Identify partners who have trusted relationships with leaders from tribal and other underrepresented communities with aligned interests to explore ways to collaborate.	• Examine project and location successes and failures to ensure the highest possible return on investment from future work. • Incorporate non-traditional expertise, like Traditional Ecological Knowledge and commercial shellfishing, into restoration efforts. • Conduct surveys and mapping (biological, ecological, and human uses) to inform best restoration project and monitoring design. • Create a centralized, accessible knowledge-sharing platform to compare and apply innovative restoration practices for oysters and hard clams across the state.	• Build and deepen partnerships among shellfish restoration, restorative aquaculture, decision-makers and the public for shared ecological and economic gains. • Develop and apply industry-recommended principles for restoration practitioners. • Inventory policy barriers and gaps in funding, capacity, and resources to make the case for expanding restorative shellfish aquaculture. • Identify projects, practices and locations where commercial shellfish aquaculture can add value. • Expand incentives for restorative shellfish aquaculture and the ecosystem services it provides.
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Comments and Questions on the Plan's Collective Agenda?

- As we open the floor to public comment we will honor the following norms for inclusion and participation:
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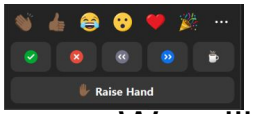

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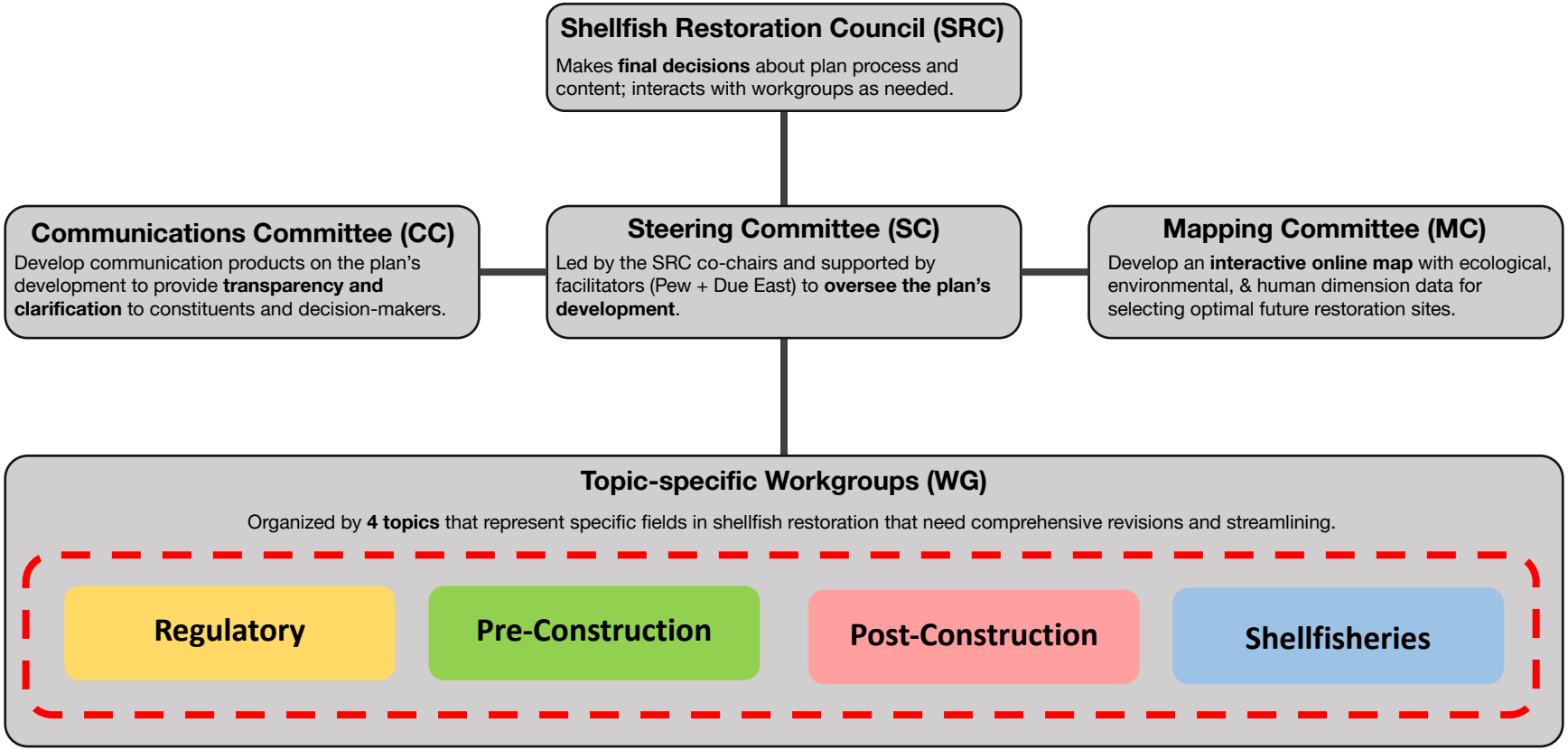
Review Workgroups' Outlines



Regulatory Workgroup Outline

Members: *Wade Carden (WG co-chair), Barley Dunne (WG co-chair), Jennifer Street, Becca Swadek, Maddy Traynor, Danielle Bissett, Cate Collinson, Stephen Naham, Craig Strong, Susan Filipowich, Peter Bayzon, Sean Reilly, Christopher Minck, Robert Vietri, Christopher Mallery, Rosita Miranda, Sherri Aicher, Danielle Stango, Christopher Lang, Sergeant Matthew Sohm, Andrew Walker, Rob Marsh, Kristin Hudgins, Joanna Field, Katharine Maradiaga, Stephen Watts, Chelsea Miller, Dwight Surgan, Aaron Kornbluth (facilitator)*

Regulatory & Permitting

- **Introduction**
  - *General overview*
  - *Descriptions of regions (DEC R1, R2, …)*
- **Permitting**
  - *Types of permits, roles of authorities, challenges*
  - *Recommendations for improvements*
  - *"How to" guide for practitioners*
- **Regulatory overview**
  - *Overview of laws / regs that govern shellfish*
  - *Links / overlap with other species*
  - *Project scale considerations*
  - *Recommendations for changes to laws / regs / guidance*

Enforcement

- **1-page "cheat sheet" with contact info**
- **Introduction**
  - *Importance of shellfish management areas / activities and restoration*
  - *Enforcement challenges*
  - *ID opportunities (funding, partnerships, etc. to build capacity*
- **Recommendations for potential changes to approaches**
- **Key takeaways / priorities / next steps**

Pre-Construction Workgroup Outline

Members: *Danielle Bissett (WG co-chair), Gregg Rivara (WG co-chair), Charlotte Boesch, Jeremy Campbell, Lisa Barron, Jennifer Curran, Adam Starke, Maureen Dunn, Isabelle Stinnette, Vicky O'Neill, Jim Lodge, Lesley Baggett, Ray Grizzle, Nils Volkenborn, Bruce Folz, Carolyn Khoury, Katie Friedman, Zoe Yuki Goozner (facilitator)*

- **Introduction**
  - *What is "project design"?*
  - *Why is it Important?*
- **"Best Practices" for Project Design**
  - *Community Engagement*
  - *Site Investigation*
  - *Baseline Data Collection*
  - *Design Feasibility for Construction*
- **Recommendations to improve Pre-Construction work**
  - *Improve permitting process (intersection with Regulatory WG)*
  - *Increase state funding opportunities (e.g. Environmental Bond Act)*
  - *Ensure project design is aligned with monitoring (intersection with Post-Construction WG)*

Shell Recycling

- **Shell Availability and Collection**
  - *Benefits*
  - *Challenges*
- **Shell Curing + Storage**
  - *Reasons + Risks of Curing*
  - *Challenges*
- **Recommendations to increase shell recycling:**
  - *Increase state funding opportunities (e.g. Environmental Bond Act)*
  - *Dedicate more space/infrastructure (curing & capacity)*
  - *Customize the state's permitting process*
  - *Increase awareness on shell recycling (shell tax credit)*

Post-Construction Workgroup Outline

Members: *Allison Fitzgerald (WG co-chair), Brad Peterson (WG co-chair), Mike Doall (WG co-chair), Jeff Levinton, Bassem Allam, Aaren Freeman, Andy Mirchel, Carl Lobue, Carrie Roble, Jenn Zhu, Joyce Novak, Steve Tettelbach, Heather Johnson, Chester Zarnoch, Laura Wildman, Mike Skuja (facilitator)*

- **Goals of Restoration Project to Inform Monitoring Design**
  - *Shellfish population enhancement;*
  - *Water quality enhancement;*
  - *Shoreline stabilization/coastal resilience;*
  - *Habitat and ecosystem improvement;*
  - *Enhanced Recreational and Commercial shellfisheries (both wild and aquaculture);*
  - *Increased community engagement through outreach and education*
- **Establish targets and milestones for goals to help track success**
  - *Region specific considerations (NY Harbor, South Shore Estuaries, Peconic Bay, Long Island Sound)*
  - *Scale considerations (pilot project, small scale, large scale restoration; time frames)*
- **Considerations Inform the Monitoring Design**
  - *Time scales;*
  - *Certified vs Uncertified waters;*
  - *Ownership;*
  - *Funding*
- **Important (Universal) Metrics to monitor post-construction**
  - *Environmental, species-independent, oyster and clam related*
- **Restoration Goal-Specific Metrics**
  - *Shellfish population enhancement, Water quality enhancement, Shoreline stabilization/coastal resilience, Habitat and ecosystem improvement, enhanced recreational/wild/aquaculture fisheries, outreach/educ*
  - **calling out how climate change interacts with specific metrics*

Shellfisheries Workgroup Outline

Members: *Karen Rivara (WG co-chair), Mike Doall (WG co-chair), Corey Humphrey, Kristin Kraseski, Brian Tuthill, Mike Kokell, Bill Zeller, Rob Crafa, Matt O'Connor, Kevin Madley, Aaron Kornbluth (facilitator)*

Background

- **Description of NYS shellfish industry**
  - *Aquaculture & wild harvest*
  - *Values, history, roles of hatcheries, challenges faced, climate change*
- **Interactions among industry & restoration**
  - *Successful restoration should increase industry opportunity*
  - *Potential positive/negative interactions and how industry can advance restoration*
- **Ecosystem services provided by aquaculture**
  - *Bioextraction, habitat, larvae, etc.*
  - *Shellfish aquaculture = restoration*

Recommendations

- **Industry-recommended principles for restoration practitioners**
  - *"Do no harm." Funding benefits everyone. Use of aquaculture to achieve ecosystem service goals. Restoration siting considerations. Discrete opportunities for industry involvement.*
- **Specific recommendations**
  - *Sector-by-sector needs assessment*
  - *Map areas important to industry*
  - *Create incentives for industry participation*
  - *Streamline aquaculture permitting*
  - *Support working waterfronts*
  - *ID other species that could be cultured*

Comments and Questions on the Workgroups' Outlines?

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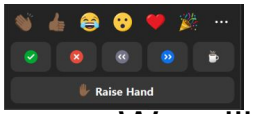

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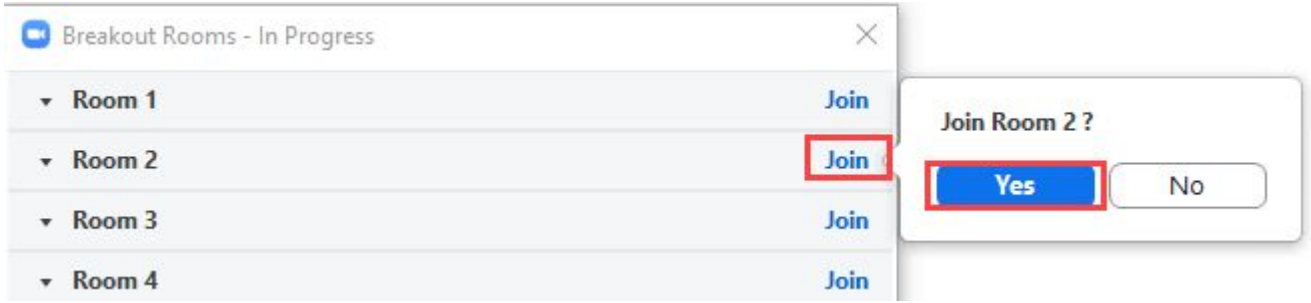
Breakout Room Feedback Sessions on the Workgroups' Outlines



Please join the Workgroup breakout room you are most interested in providing feedback on.

Once breakout rooms are opened, you will see a box pop up on your screen - each breakout room will be named with the corresponding Workgroup.

Select "Join" next to the breakout room you would like to join, confirm you are selecting the correct breakout room by clicking "yes"

You will be moved into the breakout room of your choice

If you are having trouble, please stay back and we will manually move you into the breakout room of your choice.

Aligning the NYS Shellfish Restoration Plan with the NOAA National Shellfish Initiative

NOAA's National Shellfish Initiative Goal: to **increase populations of bivalve shellfish in our nation's coastal waters through commercial production and conservation activities for the broad suite of economic, social, and environmental benefits** provided by increasing shellfish populations, including:

- New jobs and business opportunities;
- Meeting the growing demand for seafood;
- Habitat for important commercial, recreational, endangered and threatened species;
- Species recovery;
- Cleaner water and nutrient removal; and,
- Shoreline protection.

NOAA **fosters collaboration with public and private partners** to advance the following areas:

- Marine planning and permitting
- Environmental research
- Restoration and farming techniques
- Coordinated and innovative financing

Aligning the NYS Shellfish Restoration Plan with the NOAA National Shellfish Initiative

Process: There is no formal process for aligning the NYS Plan with the NOAA Initiative.

- The SRC, if in agreement, would let relevant NOAA staff know of the Council's desire to become part of the Initiative.
- The Plan's Steering Committee would then work with NOAA staff to seek and plan for appropriate NOAA support.
- NOAA expects state initiatives to be state-coordinated and that resulting plans reflect the needs of all state participants. NOAA's support is not intended to be a top-down approach; the opposite is desired (i.e., a bottom-up design with support, but not interference, from federal levels).

Benefits:

- enhanced opportunity to work with NOAA staff at headquarters, regional, and local (e.g., labs) levels;
- additional expertise and capacity as available from NOAA experts;
- better coordination with other federal agencies through NOAA's consultation process experience;
- enhanced opportunities to identify funding opportunities;
- possible presence of NOAA dignitaries at special events related to the Plan (e.g., ribbon-cutting ceremony);
- recognition on the NOAA Initiative website;
- recognition of NOAA support in digital and virtual marketing and outreach materials;
- opportunity to learn from and share experiences with other states participating in the Initiative.

Costs: There are no costs or obvious downsides to aligning the Plan with the Initiative.

Final recommendation: the Plan's Steering Committee and facilitation team recommend that the NY Shellfish Restoration Council move forward with aligning the Plan with the Initiative.

SRC's Feedback on Aligning with NOAA National Shellfish Initiative

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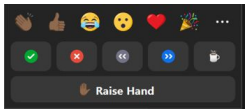

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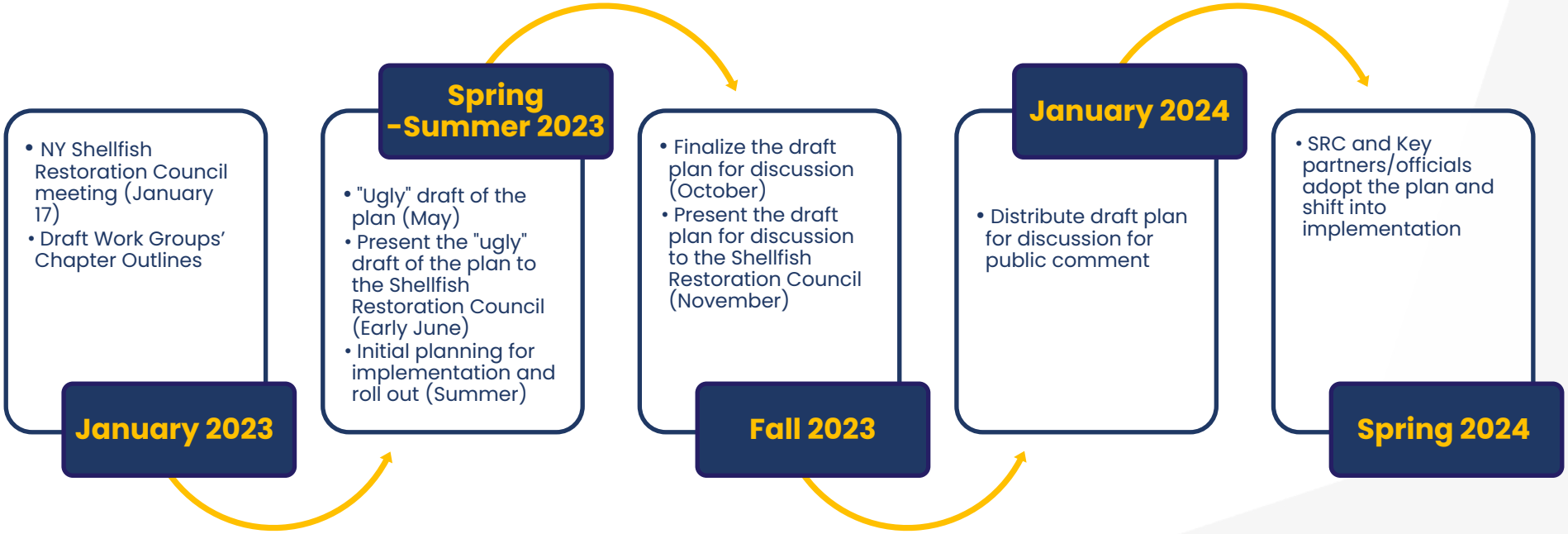
Next Steps for the New York Shellfish Restoration Plan



DUE EAST PARTNERS

Next steps:

- Today's meeting notes and recording will be shared soon
- Next SRC meeting: June 2023
  - Hybrid vs. Virtual?

Thank You!

Connect With Us!

Visit **DEC's Shellfish Restoration Council** webpage for updates & details about future meeting information**:**

https://www.dec.ny.gov/outdoor/112236.html

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