



ROSA Advisory Council Meeting

September 24, 2021

Agenda



COOPERATION
COLLABORATION
SCIENCE BASED
DATA DRIVEN

- 1:00 Welcome
- 1:05 Regional Science Updates
- 1:20 ROSA Progress Updates
- 1:50 Panel #1: Why are we collecting data on fisheries relevant to OSW?
- 2:40 BREAK
- 2:50 Panel #2: How do we achieve regional data sharing?
- 3:30 What is the role of ROSA in data standardization, storage, and accessibility?
- 3:50 Summary of Meeting Outcomes and Next Steps
- 4:00 Adjourn



RESPONSIBLE OFFSHORE
SCIENCE ALLIANCE

Regional Science Updates



Regional Science Updates



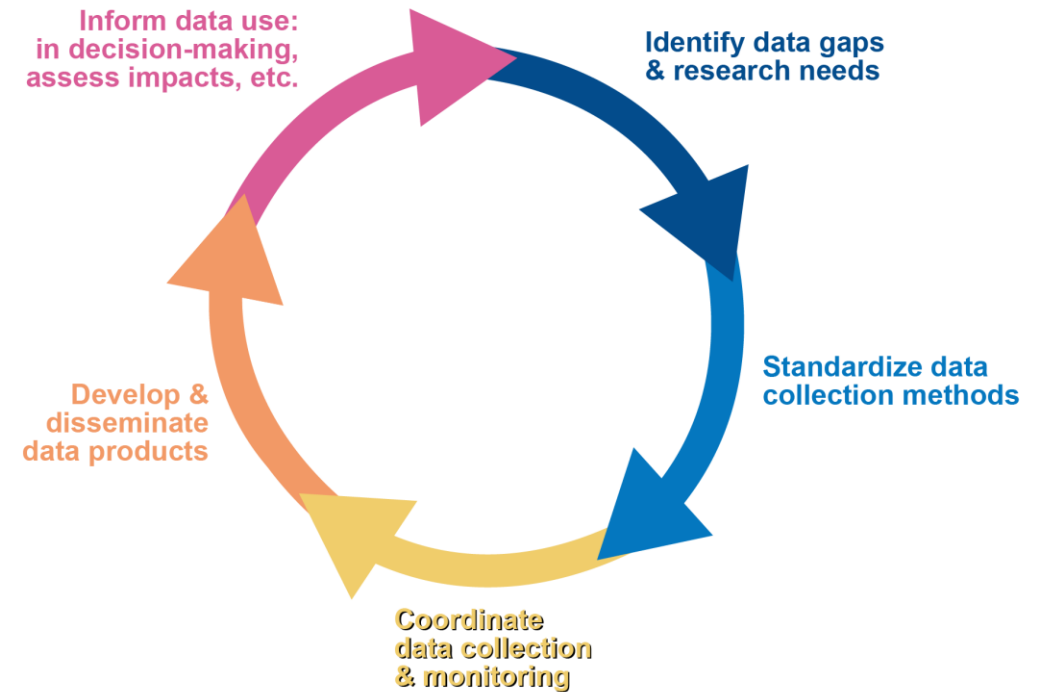
- **Emily Shumchenia, RWSE**
- **Fiona Hogan, RODA**
- **Joe Cimino, NJDEP**



Regional Wildlife Science Entity (RWSE)

Supports research and monitoring on wildlife and offshore wind by:

- Identifying priorities for scientific research and monitoring at the project, regional and ecosystem-wide scales
- Coordinating and aligning funding to meeting those priorities
- Ensuring appropriate data and standards are in place to support science priorities



NROC
Northeast Regional
Ocean Council

MARCO

MID-ATLANTIC
REGIONAL COUNCIL
ON THE OCEAN



How will we collaborate?

Collaborate on developing consistent approaches to science where it makes sense

- Study design
- Data collection
- Data management

ROSA & RWSE focal species share ocean habitats

- Characterize habitats consistently
- Think together about predator/prey and other ecological relationships



Artie Raslich, © 2013
Artie Raslich, Gotham Whale



Recent and upcoming activities

Summer 2021 - Interim Steering Committee meets to formalize Governance Structure and Work Plan

Fall 2021

- Meetings of each Sector's Caucus (federal agencies, states, eNGOs, offshore wind industry)
- The Interim Steering Committee has identified four expert Subcommittees as high priority to convene in 2021:
 - Marine Mammals – kickoff meeting September 30
 - Birds and Bats
 - Habitat and Ecosystem
 - Cross-taxa / cross-cutting (in collab w/ NYSERDA E-TWG)

Opportunities to coordinate with ROSA



Regional Wildlife Science Entity (RWSE)

Latest news, information, documents will be posted here:

<https://neoceanplanning.org/rwse/>

Contact information

Emily Shumchenia, PhD, RWSE Director – emily.shumchenia@gmail.com

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Nick Napoli, RWSE Senior Advisor – nicknapoli01@gmail.com



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RODA Updates

Fiona Hogan, Ph.D.

RODA Research Director

ROSA Advisory Council Meeting
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Research-related Efforts

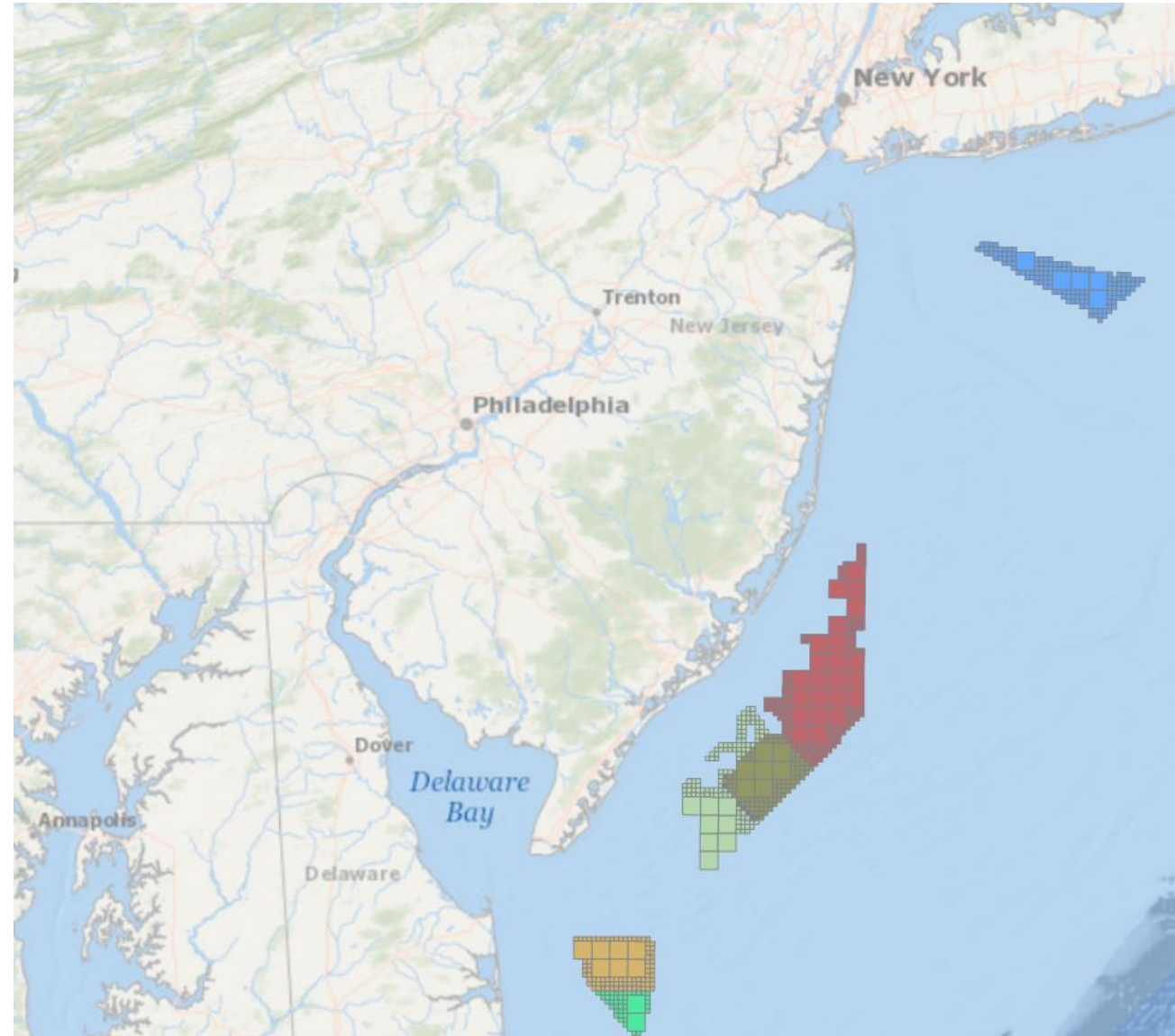
- Project with NREL funded by NYSERDA titled “Collaborative Development of Strategies and Tools to Address Commercial Fishing Access in U.S. Offshore Wind Farms
- ICES
- Fisheries Knowledge Trust funded by NYSERDA
- Synthesis of the Science funded by NMFS
- Research Priorities

NJ Offshore Wind Research & Monitoring Initiative (RMI)

- \$10K MW - 2,658 MW of offshore wind capacity
- Partners



- Vision & Goal





Identify
most
vulnerable
resources

Develop
Strategic
Scientific
Questions

Request for
Proposals

Research
Project

Review and
Publication
of Report



The National
Academies of



Regional Wildlife Science Entity

NYSERDA



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ROSA Progress Updates



ROSA Communications Survey

- Surveyed ROSA Advisory Council, Research Advisors, and Board of Directors after the June Advisory Council meeting
- Key takeaways:
 - Recommended continuing quarterly Advisory Council meetings
 - Interest in open conference calls and sector-specific calls
 - Please reach out to us with topics of interest (lyndie@rosascience.org or mike@rosascience.org)
 - Recommended improving written communication
 - Improve the recognition and distinction of ROSA outside the fisheries and offshore wind community in the Northeast and Mid-Atlantic (i.e., fishing industry, marine science, South Atlantic/West Coast)
 - Clarify the role of the Advisory Council and how it is engaged in organization decision making

Thank you all for your feedback!



ROSA Advisory Council Process to Date

- **September 2020-** Advisory Council (AC) kickoff meeting
- **November 2020-** Polled AC members at meeting to identify 2021 priorities
 - Majority - Targeted baseline data collection & baseline data needs for commercial & recreational fishing
 - Other key priorities - Expanding monitoring guidance, longer-term research plan, data management, storage, & access, socioeconomic research framing
- **March 2021-** Breakout discussions at AC meeting explored specific activities that ROSA might undertake to address baseline needs that would be: 1) practical and tractable; 2) achievable within two to three years; 3) Implementable quickly; and, 4) useful to inform future efforts.
 - Following the meeting, ROSA polled members of the Advisory Council, Research Advisors, and Board of Directors to identify key priorities and refine the outcomes of the breakout discussions.
 - The following were identified as **priority activities**:
 - Data aggregation (score = 4.23 with 5 = extremely important)
 - Regional Scale Learning Objectives (score = 4.08)
 - Gear Standardization (score = 4.03)
 - Fishermen's Ecological Knowledge (score = 3.92)
 - ROSA Offshore Wind Project Monitoring Framework and Guidelines also released March 2021
- **April 2021-** ROSA released RFP seeking a qualified contractor to conduct research and prepare a written report on standardization and data sharing for fisheries resource data, to support regional data accessibility, transparency, and compatibility needs (*brief update on that project today*).
- **June 2021-** AC meeting panel discussions focused on regional framework, gear standardization, and FEK (*brief updates on these focus areas today*).



Fishing Gear Standardization

- *Overview:* Regional standardization of sampling gear across monitoring and baseline data collection identified in polling after March 2021 AC meeting, and expanded on in June 2021 panel discussion at AC meeting
- *Progress to date:*
 - August 2021 - Draft *Statement on Guidelines for Gear Standardization in Offshore Lease Areas* sent to subcommittee in August
 - September-October 2021 – Follow-up phone calls underway

Subcommittee:

- Kevin Wark
- Robert Ruhle
- Fred Mattera
- Dave Bethoney
- Jon Knight
- Terry Alexander
- Anna Mercer
- Phil Politis

Fishermen's Ecological Knowledge

- *Overview:* Collecting and elevating ecological knowledge of fishermen identified as priority after the March 2021 AC meeting, and expanded on in June 2021 panel discussion
- *Progress to date:*
 - August 2021 – Preliminary discussions with Sarah Schumann and Madeleine Hall-Arber, resulting in potential project ideas
 - September 2021 – Check-in calls with Executive Committee fishermen members, and with RODA via Fiona
 - October/November 2021 – Continue idea development and vet more broadly to fishing representatives on AC

Subcommittee:

- Sarah Schumann
- Madeleine Hall-Arber
- Peter Hughes
- Eric Read
- Fiona Hogan
- Jeff Kneebone

Regional Research Framework

- *Overview:* Identified as priority after the March 2021 AC meeting, and developed further on in June 2021 AC meeting.
- *Progress to date:*
 - May 2021- Initial subcommittee meeting to discuss goals and scope of regional framework
 - June 2021 – Draft thought piece developed and circulated to subcommittee
 - July 2021 – Comments received and document redrafted; subcommittee suggests developing draft RFP and a “list of lists” of research frameworks already developed
 - August-September 2021- Research frameworks compiled into table; RFP tasks developed. New document nearly ready for sharing out to subcommittee

Subcommittee:

- Greg Lampman
- Andy Lipsky
- Colleen Brust
- Mike Sissenwine
- Fiona Hogan
- Lisa Methratta
- Michelle Bachman
- Greg DeCelles

Data Sharing

- *Overview:* Regional data management, storage, and access identified as a priority focus area by the ROSA Advisory Council in at the Nov. 2020 Advisory Council meeting and in the March 2021 survey
- *Progress to date:*
 - March 2021- sought volunteers at AC meeting for data management subcommittee; held follow up meeting in March 2021 to scope data management RFP; members provided verbal and written feedback on RFP before release
 - RFP released April 2021
 - RPS began project in late summer 2021

Subcommittee Volunteers/Invitees:

- Bonnie Brady
- Doug Christel
- Tom Dameron
- Greg DeCelles
- Willy Goldsmith
- Pat Halpin
- Annie Hawkins
- Fiona Hogan
- Josh Kohut
- Andy Lipsky
- Julia Livermore
- Ruth Perry
- Kathleen Reardon
- Dave Rudders
- David Stormer
- Kevin Wark
- Carl Wilson

Brief Introduction to RPS

- 5,600 creative professionals
- 250 diverse services
- 125 countries
- 6 sectors
 - Property
 - Transport
 - Defense and Government
 - Resources
 - Water
 - Energy



OFFICE LOCATIONS

UNITED STATES

Atlanta
Austin
Beaumont
Boston
Charleston
Chicago
Corpus Christi
Dallas
Houston
Irvine
Mountain View
Oakland
Plano
Round Rock

San Antonio
Seattle
South Kingstown

CANADA

Calgary

UNITED KINGDOM

Aberdeen
Abingdon
Alton
Albourne
Axminster
Bedford
Belfast

Birmingham
Brentford
Bournemouth
Brighton
Bristol
Cambridge
Cardiff
Chepstow
Cheltenham
Clevedon
Derby
Dorchester
Edinburgh
Ellesmere Port
Exeter

Glasgow
Grangemouth
Huddersfield
Irlam
Kirkintilloch
Leeds
London
London Wall
Manchester
Middleton
Milton Keynes
Newark
Newcastle
Northwich
Nottingham

Sheffield
Southampton
Stafford
Warrington
Cumbria
Woking
Wolverhampton

IRELAND

Cork
Dublin
Galway
Letterkenny
Sligo

THE NETHERLANDS

Amsterdam
Breda
Delft
Leerdam
Zwolle

NORWAY

Alesund
Kristiansand
Oslo
Stavanger
Trondheim

AUSTRALIA

Adelaide
Brisbane
Cairns
Canberra
Darwin
Gold Coast
Ipswich
Mackay
Margaret River
Melbourne
Newcastle
Perth
Port Douglas
Sunshine Coast

Sydney
Townsville
Whitsundays
Wollongong

NEW ZEALAND

Wellington

INDONESIA

Jakarta

RUSSIA

Sakhalin

Malaysia
Kuala Lumpur

PAPUA NEW GUINEA

Port Moresby

UNITED ARAB EMIRATES

Abu Dhabi

SOUTH KOREA

Seoul

Brief Introduction to RPS

- Alicia Morandi, ecologist and project manager
 - Alicia.Morandi@rpsgroup.com
- RPS Ocean Science division located in South Kingstown, RI
- Extensive project experience relevant to offshore wind development and fisheries and benthic data collection, analysis, and management
 - Fisheries monitoring plans
 - Benthic habitat monitoring plans
 - Fish and invertebrates, benthic habitat, and commercial and recreational fisheries COP sections
 - BOEM EIS support
 - Environmental baseline surveys
 - Northeast Ocean Data Portal data management
 - OceansMap development and data management

ROSA Fisheries Resource Data Project

- Main tasks:
 - Review the types of fisheries resources data available, the range of sampling gear and monitoring methods in use, and existing standards and databases
 - Summarize the metadata collected for existing fisheries surveys and identify variables that might improve accessibility, standardization, or interoperability of fisheries-related data and offshore wind
- Deliverables:
 - Database of reviewed fisheries surveys, portals, and clearinghouses that catalogs the data that are typically collected for a variety of existing survey efforts (50+ under review)
 - Report that describes existing data sources and standards, examines storage, standardization, and accessibility of fisheries data, and assesses metadata needs for dataset interoperability

Database Example Variables

VARIABLE TYPE	Metadata	Data Parameters	Survey Details
Examples:	SurveyName FishDependence DataOrigin Source SourceType Owner OwnerType SurveyType SurveySummary	DataFormat DataAvailable DataType Standardized QAQC Storage Accessibility Links Citations	SampleDesign GearTypes SppNum SppType TargetSpp Region Zone Season SurveyDays StartYear EndYear Metocean Biological

SNE Data Sharing Pilot

- *Overview:* Regional data management, storage, and access identified as a priority focus area by the ROSA Advisory Council in at the Nov. 2020 Advisory Council meeting and in the March 2021 survey
- *Progress to date:*
 - July 2021- ROSA proposed a data sharing pilot project to investigate the potential for standardization and cross-comparability across offshore wind projects, collaborating with current offshore wind developers that are ROSA board members with active projects in southern New England.
 - August 2021- Draft rationale and scoping document was provided to the developers for review
 - September 2021- ROSA requested follow up meeting to discuss scoping document

Subcommittee:

- Rachel Pachter
- Ruth Perry
- Scott Lundin
- Ellen Crivella/Greg DeCelles

Focus for Today: DATA

- ROSA Advisory Council Executive Committee met in August to begin planning AC meeting
- Through discussion with the EC it became clear that understanding data collection goals and data sharing needs were high priority topics, and fundamental to all other priority research areas
 - Regional Framework
 - Baseline Data Collection
 - Gear Standardization
 - Fishermen's Ecological Knowledge
 - Data management, storage, & access

Advisory Council Executive Committee:

- **Rachel Pachter**, Vineyard Wind, ROSA board co-chair and NE developer rep
- **Jennifer Daniels**, Atlantic Shores, MidA developer rep
- **Peter Hughes**, Atlantic Capes Fisheries, ROSA board co-chair and MidA commercial fishing rep
- **Eric Reid**, Fisheries Consultant, NE commercial fishing rep
- **Mike Pierdinock**, CPF Charters, NE recreational fishing rep
- **Willy Goldsmith**, American Saltwater Guides Assoc., MidA recreational fishing rep
- *Vacant*, NE state rep
- **Greg Lampman**, NYSERDA, MidA state rep
- *Vacant*, Council/Commission rep
- **Andy Lipsky**, NEFSC, Federal Agency rep



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Panel #1:
Why are we
collecting data
on fisheries
relevant to
OSW?



Panel #1: Why are we collecting data on fisheries relevant to OSW?



- *Key Questions:*

- What is the original intent and purpose of your data collection (scientific, OSW regulatory, fisheries management, etc.)? For what and how will it or is it being used presently? What are the disconnects between original intent and current purposes?

- *Moderator*

- Lyndie Hice-Dunton, ROSA

- *Panelists*

- Ruth Perry, Shell
- Doug Christel, GARFO/NMFS
- Dave Secor, University of Maryland
- Brian Hooker, BOEM
- Anna Mercer, NEFSC/NMFS
- Carl Wilson, Maine Dept. of Marine Resources

BREAK

Back @3:05 ET





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Panel #2: How
do we achieve
regional data
sharing?



Panel #2: How do we achieve regional data sharing?



- *Key Questions:*
 - How comparable, accessible, and shareable are data?
 - What is our vision or aspiration for regional data sharing?
- *Moderator:*
 - Mike Pol, ROSA
- *Panelists*
 - Drew Carey, INSPIRE Environmental
 - Kathryn Ford, NEFSC/NMFS
 - Jarret Drake, Drake Lobster Co. or Peter Hughes, Atlantic Cape Fisheries, Inc.
 - Willy Goldsmith, American Saltwater Guides Assoc.
 - Greg DeCelles, Ørsted
 - Jim Gartland, Virginia Institute of Marine Sciences



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What is the role
of ROSA in data
standardization,
storage, and
accessibility?

What is the role of ROSA in data standardization, storage, and accessibility?



- *Key Questions:*
 - How and what can ROSA specifically do to improve data coordination and standardization in the region?
- *Moderator*
 - Patrick Field, CBI

Next Steps

- May follow up with survey to ROSA governance to get more feedback on today's meeting
- ROSA staff will continue to address priority topics, including drafting work plans for subcommittees and discussing strategies
- ROSA will continue to develop approaches to address feedback from communications survey
- Please reach out to us with topics of interest for meetings or sector-specific calls (lyndie@rosascience.org or mike@rosascience.org)
- Next quarterly meeting will be November or December 2021