

Northeast Sea Grant Consortium Update

May 4, 2022

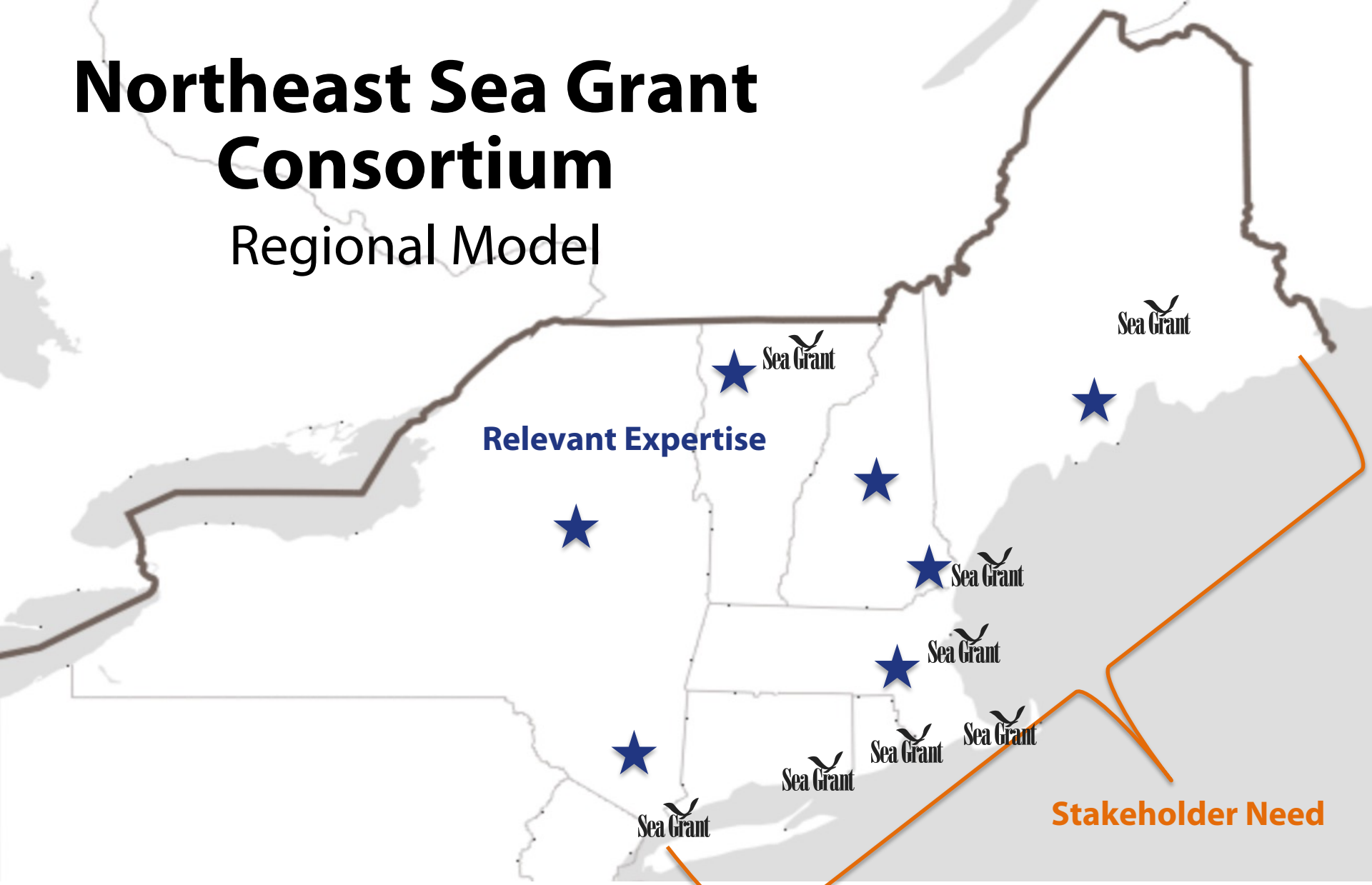


Connecticut, Massachusetts (WHOI and MIT), Rhode Island (including Rhode Island SG Law Program), Maine, New Hampshire, New York, Lake Champlain (VT)

- Regional research and extension update
 - Offshore Renewable Energy
 - American Lobster Initiative
 - Other Regional Programs
- New funding
 - Marine Debris (Infrastructure Bill - \$50M over 5 years)
 - Coastal Resilience (Base Funding + \$100K/year)

Northeast Sea Grant Consortium

Regional Model



University of
New Hampshire

NROC | May 4, 2022

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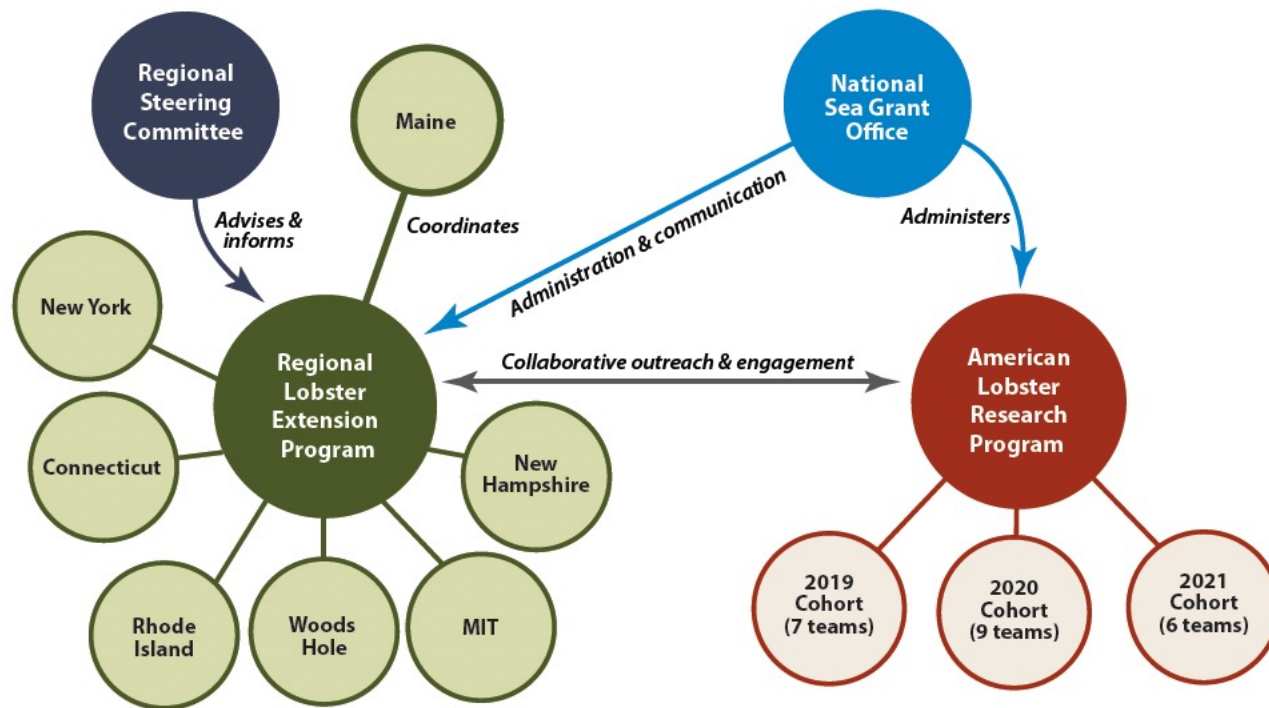
2022-2023 – Offshore Renewable Energy
Partnership with DOE and NEFSC

- **6 Research Projects (Announcement pending)**
 - **Community-Focused Ocean Renewable Energy Research**
- **Extension Baked In....**
 - **Regional and National Sea Grant Extension Network Engaged From the Outset**

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2022-2023 – American Lobster Initiative

Sea Grant American Lobster Initiative (ALI)



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2021-2023 – American Lobster Initiative

6 Funded Research Projects:

- **PI: Damian Brady - UMaine**
An ecosystem-based approach to American lobster habitat and trophic dynamics: Integrated modeling to evaluate climate-related impacts
- **PI: Rebecca Peters – Maine Department of Marine Resources**
Answering an industry question, “Who’s eating juvenile lobsters?”: An evaluation of lobster predation in the Gulf of Maine using stomach content analysis
- **PI: Jason Goldstein - Wells National Estuarine Research Reserve**
Connecting the dots’: Environmental drivers of egg production and stability in ovigerous American lobsters in the Gulf of Maine

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2021-2023 – American Lobster Initiative

- **PI: Yong Chen - Stony Brook University**
Evaluating impacts of changing life history parameters on the American lobster stock dynamics under different management regulations in a warming Northeastern US
- **PI: Jonathan Grabowski - Northeastern University**
Investigating the ecological impacts of range-expanding species to the American lobster fishery using collaborative surveys, fisher observations, and predator-prey experiments
- **PI: Joshua Carloni - New Hampshire Fish and Game**
The influence of season and temperature on the distribution and abundance of juvenile lobsters assessed via traditional ventless and novel early benthic phase traps

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2021-2023 – American Lobster Initiative



Regional Lobster Extension Program:

- Coordinated by:
ME, NH, WHOI, MIT, RI, CT, NY
Sea Grant Programs
- Stakeholder Engagement
 - Engage and Extend regional research
 - Inform new research priorities
 - Address additional industry needs
- Collaborative communications efforts:
Check out the ALI Story-map:
<https://storymaps.arcgis.com/stories/f50bd80b84d349048e9d814769dc29cd>

Sea Grant Biennial Research Funding

- Recent and imminent announcements expected for 40+, two-year projects.
- RI: <https://seagrants.gso.uri.edu/rhode-island-sea-grant-invests-over-2-million-in-research-on-harmful-algal-blooms-rust-tides-and-multi-use-of-marine-resources/>
- NY: <https://nyseagrants.org/articles/t/1-4-million-awarded-for-sea-grant-research-on-ny-s-coastal-environment-economies-and-communities-research-press-release>
- CT: <https://seagrants.uconn.edu/research/>
- WHOI: <https://seagrants.whoi.edu/funding-2/all-funded-projects/>
- NH: <https://seagrants.unh.edu/research/current-research>
- Lake Champlain: <https://www.uvm.edu/seagrants/research/current-projects>
- ME: <https://seagrants.umaine.edu/2022/04/01/research-on-forever-chemicals-carbon-emissions-ecosystem-based-management-and-fisheries-adaptation/>
- MIT: Announcements coming shortly!

Other Regional Contributions

- Regional Aquaculture
 - Seaweed Hub
 - <https://seaweedhub.org/>
 - *Vibrio* research and extension
 - Striper Hub
 - Southern New England Shellfish Hub
 - East Coast Hard Clam Selective Breeding Hub
 - <https://storymaps.arcgis.com/stories/3425623358164278bbe1ed7f7311a605>
- Contaminants of Emerging Concern Project
 - <https://seagrant.uconn.edu/research/contaminants-emerging-concern/#>



New Funding

- Marine Debris (Infrastructure Bill - \$50M over 5 years)
- Coastal Resilience (added to base funding of all programs – roughly \$65k/year+ match)
 - Building off internal and partner discussions about needs/opportunities
- Next regional research/extension project?