The New England Arctic Network is a regional, multi-institutional, inclusive collaboration that uniquely addresses links between Arctic change and the natural, social, and built systems within the North Atlantic Arctic region.

Join the New England Arctic Network community

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“The Arctic is one of the areas where we are working cooperatively with the rest of the world... whether it's energy or economics, indigenous peoples, or strategic issues. We have a great opportunity here but we need your help. We need the science. We need the data.”
– Senator Angus King

“It is crucial that we come together to prepare for the impacts of rapid Arctic warming on the coastal regions of New England.

– Senator Jeanne Shaheen

The New England Arctic Network formed during a workshop supported by the National Science Foundation Growing Convergence Research at NSF and Navigating the New Arctic Big Ideas (NSF #1744346).
High-Priority Themes…

1. Impact of increased shipping, resource extraction, and tourism on the North Atlantic Arctic region (e.g., oil spills, disruption of ecosystems, and socio-economic and environmental shocks to coastal communities).

2. Response to sea level rise and coastal erosion, adaptive management for fisheries and wildlife, environmental and cultural stewardship.

3. Innovative strategies for data synthesis, information transfer, and co-learning among researchers, operators, and decision makers that incorporate traditional knowledge, citizen science, and participatory research.

4. Fill data gaps between New England the Arctic, with a particular focus on biogeophysical marine observations as well as disruptions to socio-ecological systems.

What happens in the Arctic…

The Role of New England in Navigating the New Arctic

The New England Arctic Network combines the wealth of academic expertise in Arctic research across New England with researchers, stakeholders, and external partners concerned with environmental, economic, and social impacts, providing an ideal community for anticipating and responding to Arctic change and its impacts on the eastern coast of North America. Current working groups address:

- Links between Arctic change and infrastructure from New England to the Arctic.
- Observing the physical and biological impacts of Arctic change on the Arctic Ocean, Western North Atlantic, and Gulf of Maine.
- Relationships among Arctic warming, permafrost, hydrology, coastal processes, and communities.
- Connections between Arctic and mid-latitude communities; Sharing lessons of learned and implications for environmental ethics and social justice.
- Training the next generation of leaders in Arctic research, business, and diplomacy.

There is an urgent need to expand our nation’s focus to study and respond to changes in the North Atlantic Arctic, including links with the Gulf of Maine and New England…doesn’t stay in the Arctic