



Eliciting and evaluating climate adaptation strategies for fisheries and fishing communities

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4th International Symposium

Effects of Climate Change on the World's Oceans

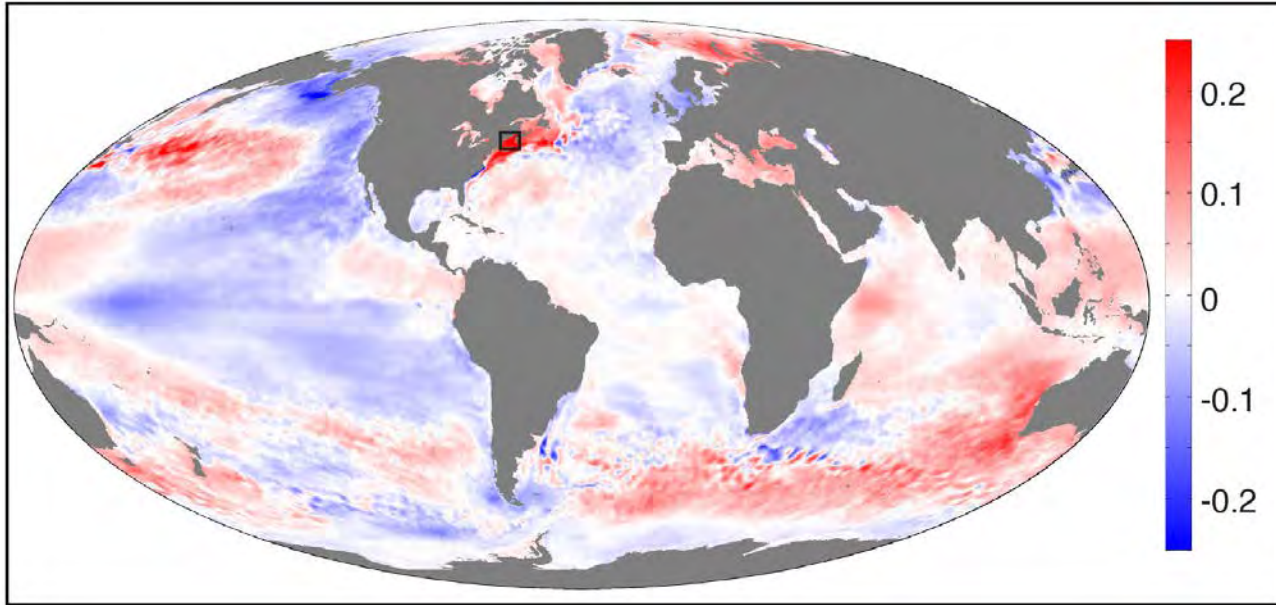
June 3, 2018



**Gulf of Maine
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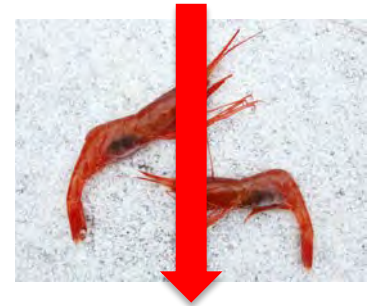
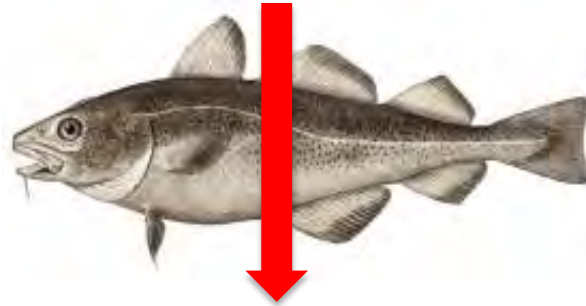
Climate effects are being felt now



(Pershing et al. 2015)

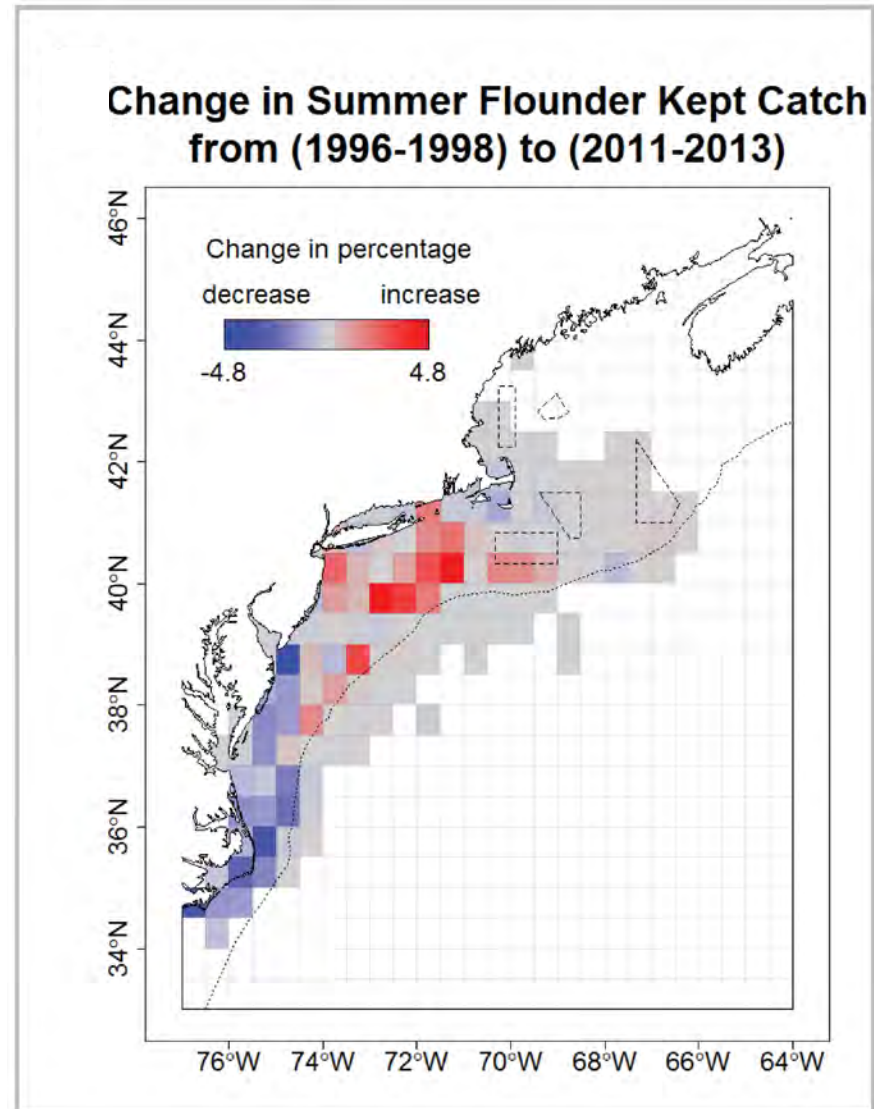
Climate effects are being felt now

- Impacts to species:
 - Productivity
 - Distribution
 - Timing

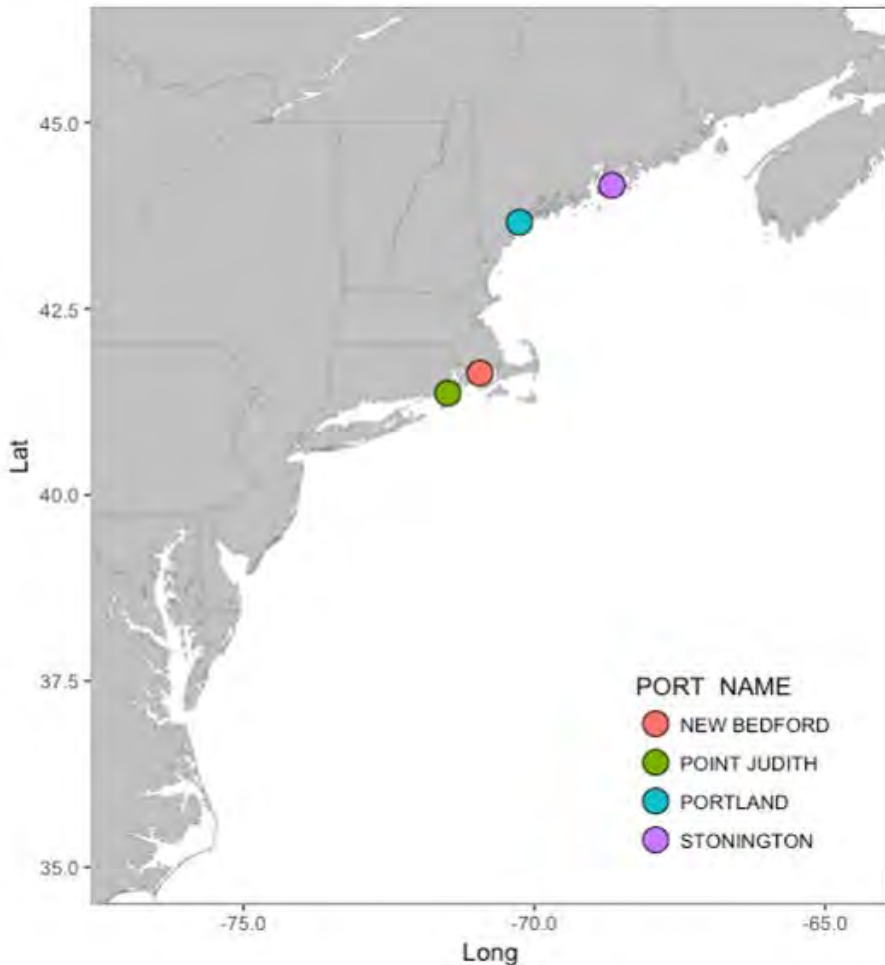


Climate effects are being felt now

- Impacts to fisheries:
 - Landings
 - Fishing locations
 - Fishery timing



Adaptation strategies



- Interviews and focus groups:
 - Fishing industry
 - Municipal leaders
- Past, present, and future
- Changes, impacts, response/adaptation

Adaptation strategies

- Mostly autonomous—within the industry and communities:
 - Shifting fishing locations
 - Adjusting mix of fisheries (to some extent)
 - Diversifying livelihoods
 - Shoreline infrastructure
 - Supply chain investments
 - Marketing
 - Direct sales
 - Marketing campaigns
 - Industry-led conversations around fisheries resilience
(Sarah Schumann, S14, Friday 14:20)

Adaptation strategies

- Identify factors that facilitate and impede adaptation
- Assess adaptation pathways
- Identify barriers that need to be removed to advance adaptation
- Evaluate relative benefits (economic, social, ecological) of different adaptation options
(Bradley Franklin, S12, Tuesday 16:00)