

Ocean observing systems support operational forecasts for the timing of Maine's lobster fishery

Christina Hernandez¹, Katherine Mills², Andrew Pershing²

chernandez@whoi.edu

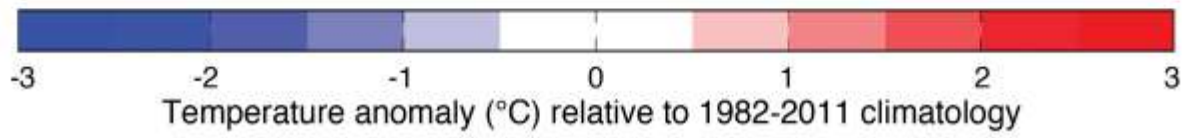
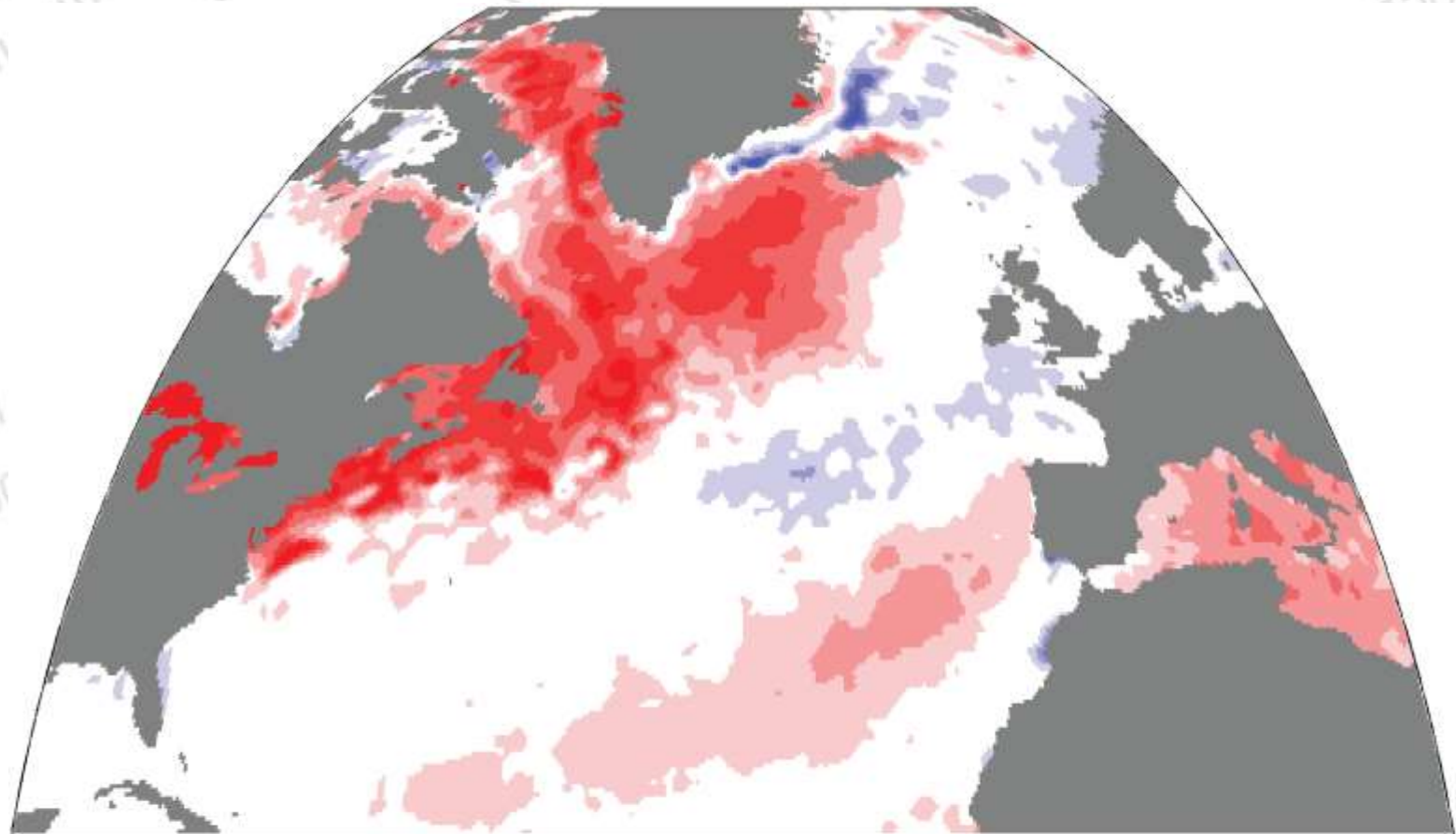
kmills@gmri.org

apershing@gmri.org

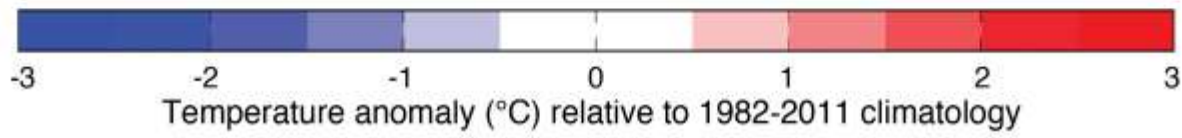
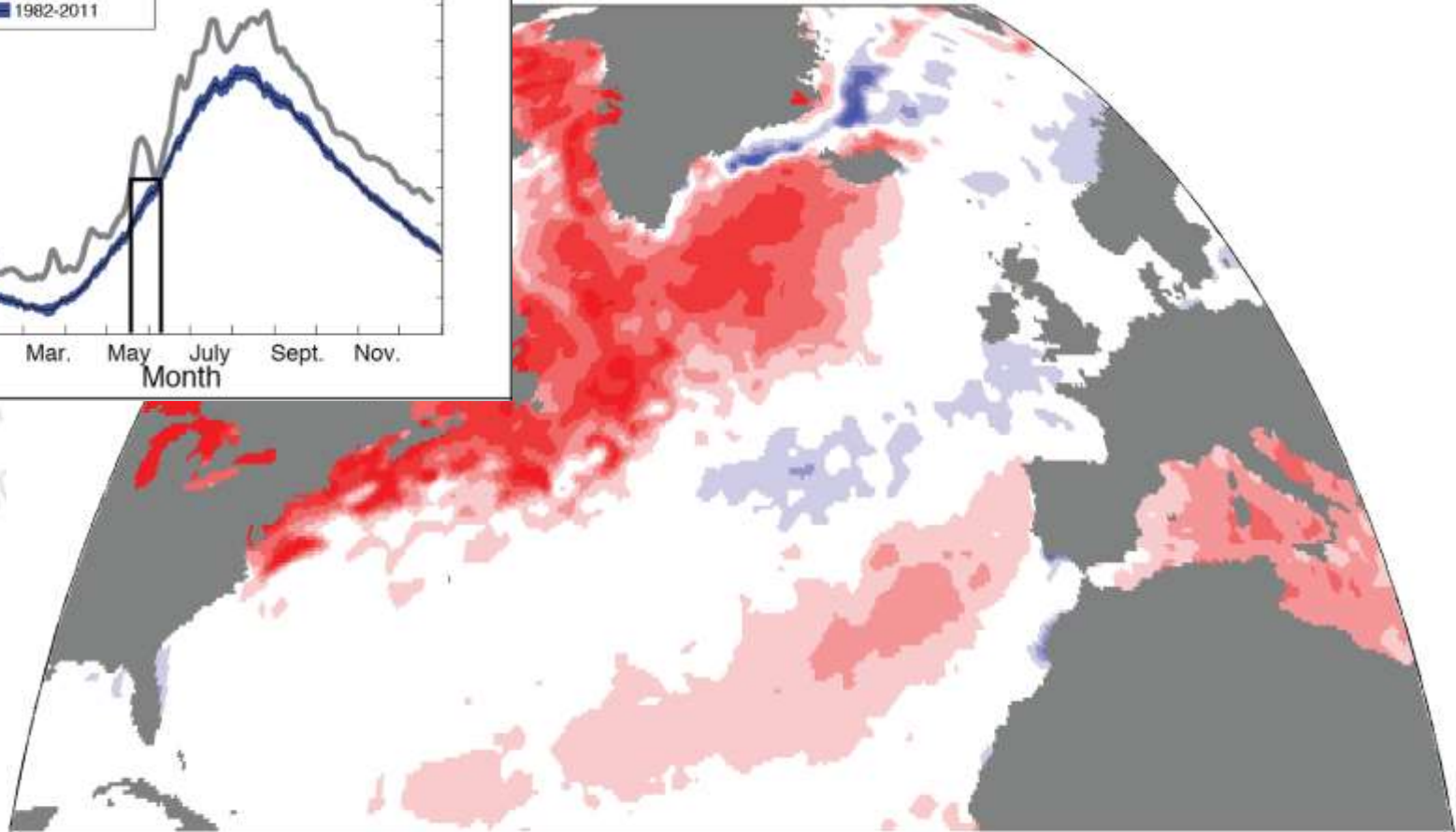
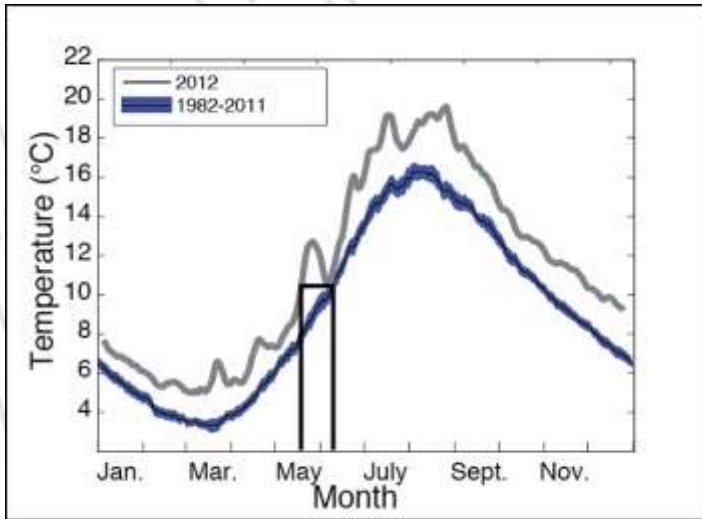
¹Woods Hole Oceanographic Institution, ²Gulf of Maine Research Institute



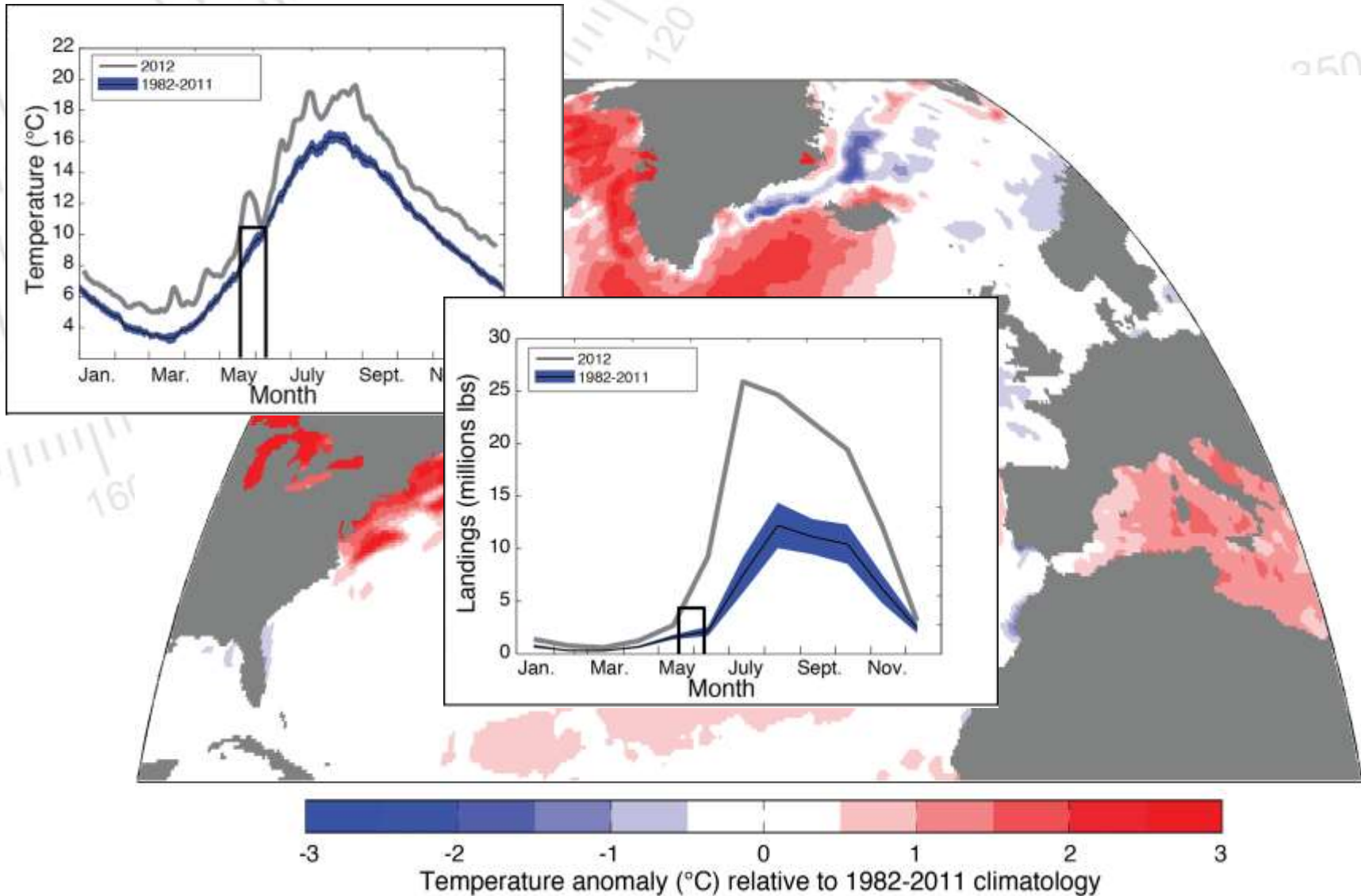
Forecast motivation: 2012 ocean heat wave



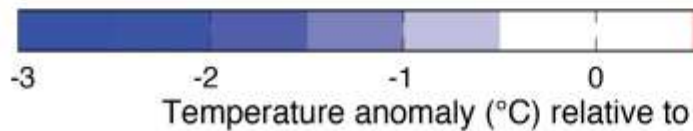
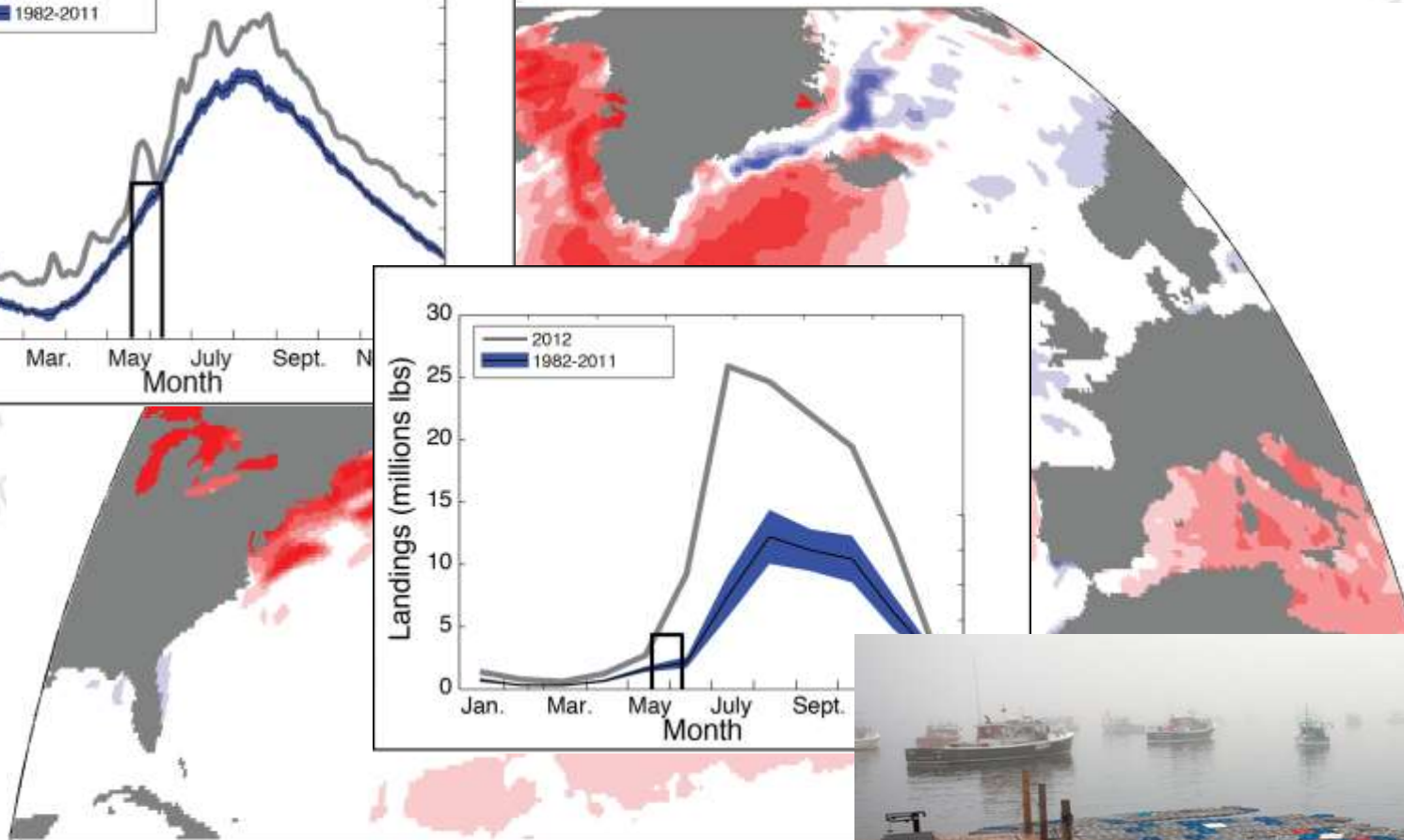
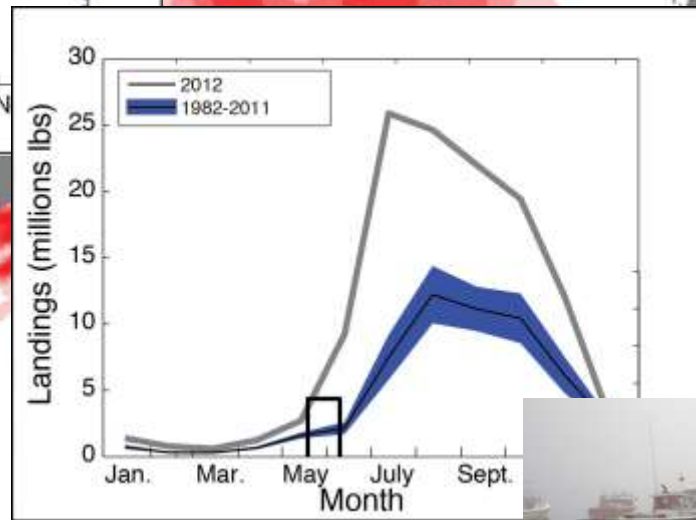
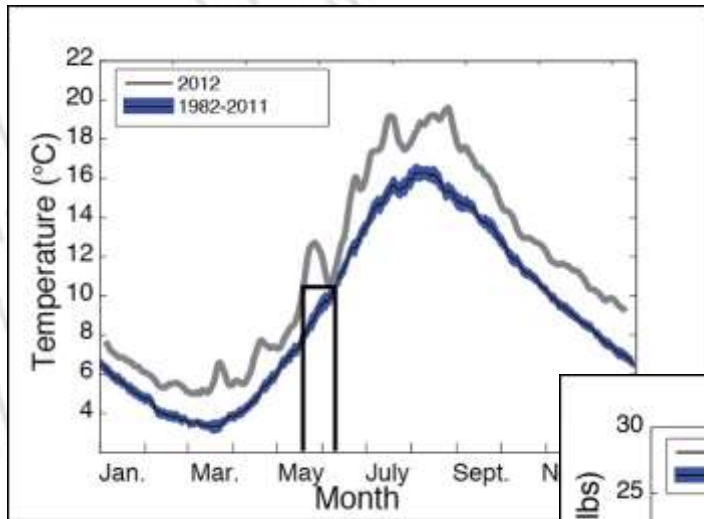
Forecast motivation: 2012 ocean heat wave



Forecast motivation: 2012 ocean heat wave

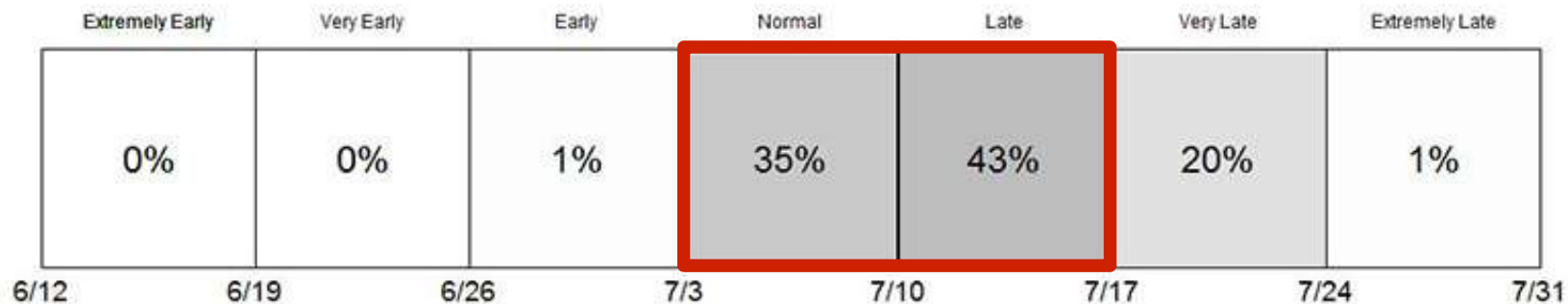


Forecast motivation: 2012 ocean heat wave

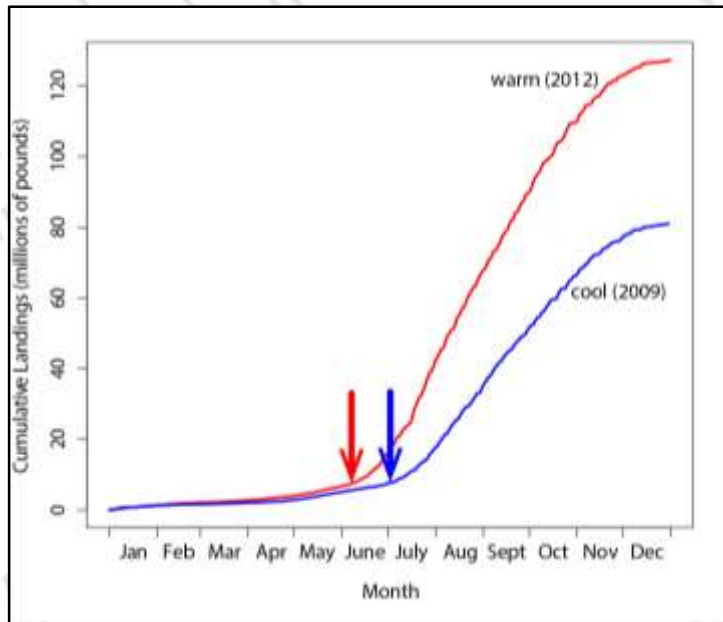


Forecasting fishery timing

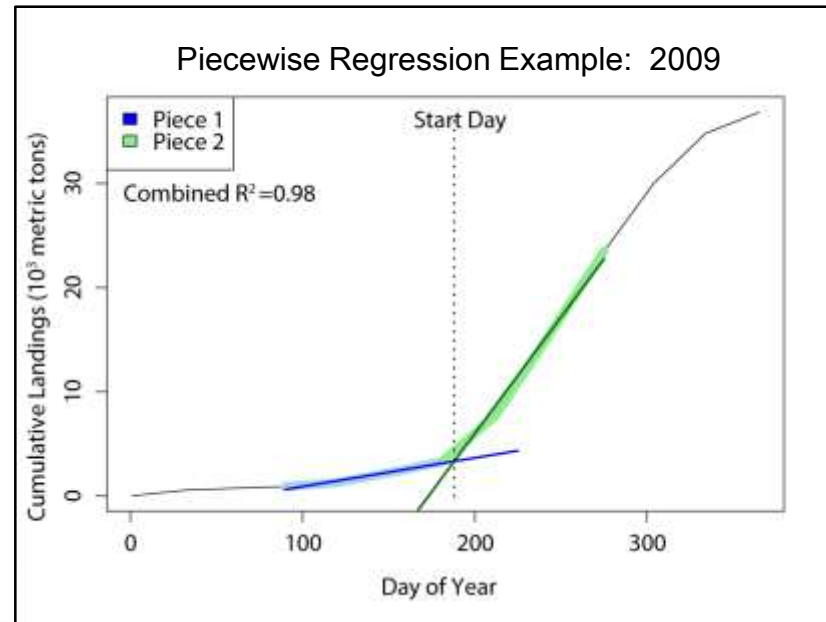
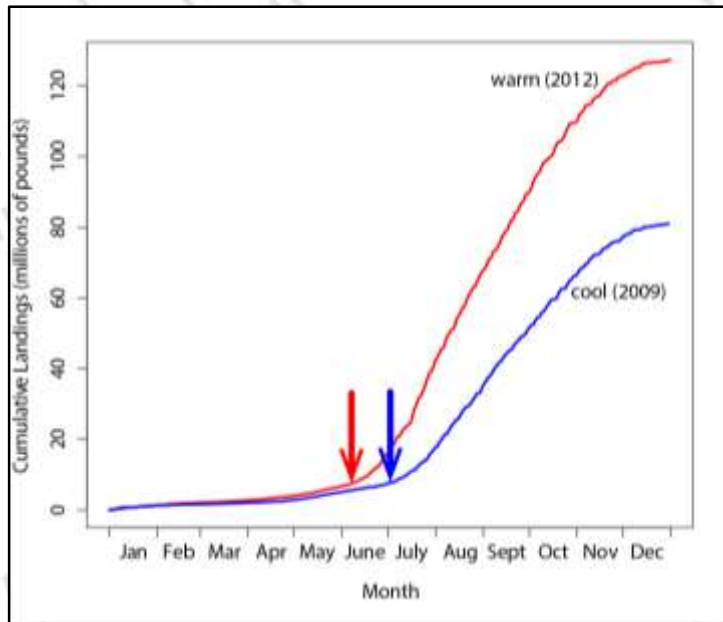
April 15, 2015 Forecast



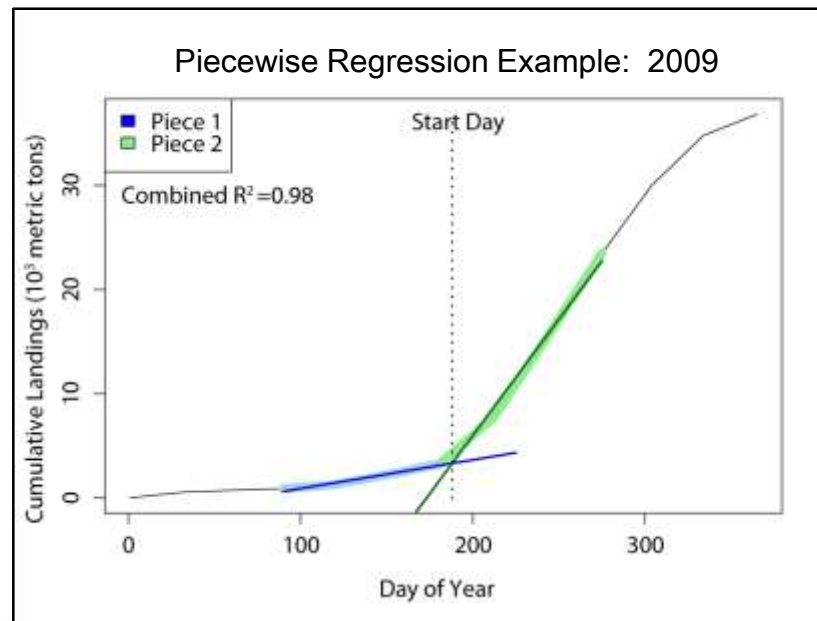
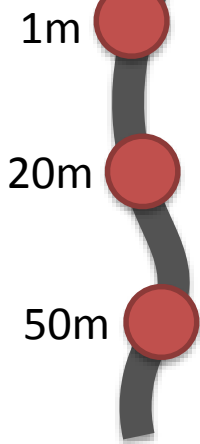
Forecasting fishery timing



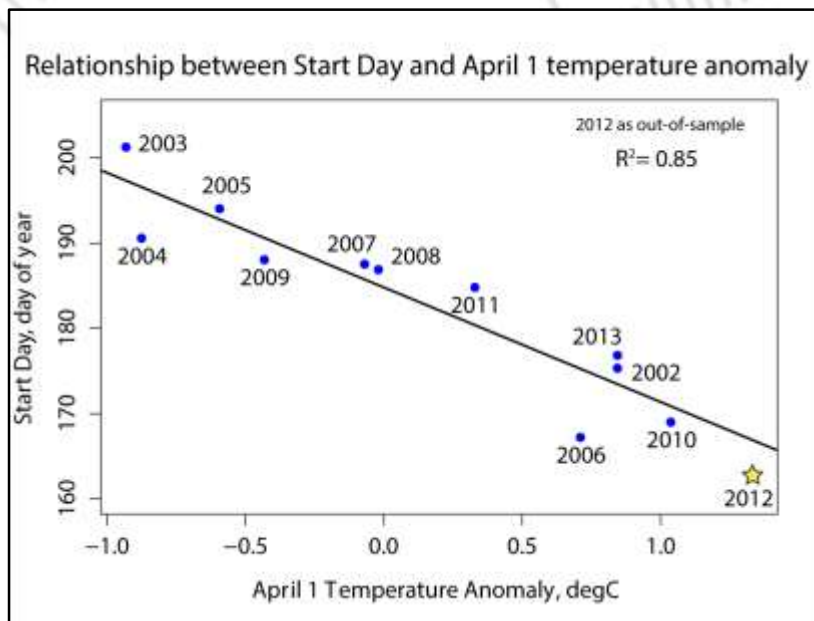
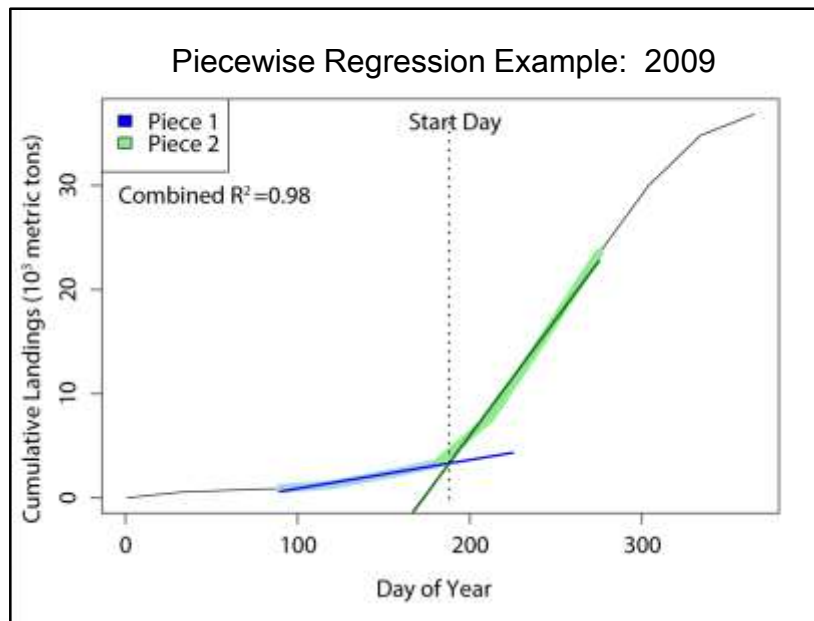
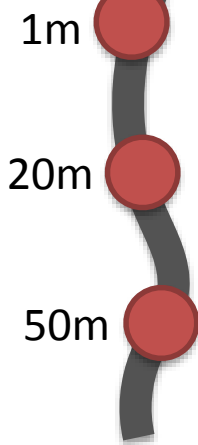
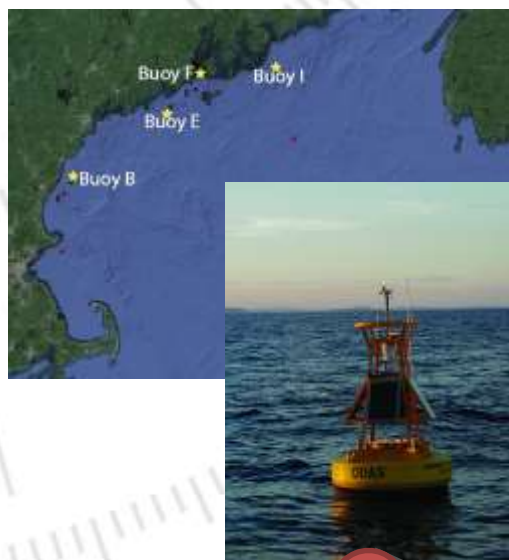
Forecasting fishery timing



Forecasting fishery timing



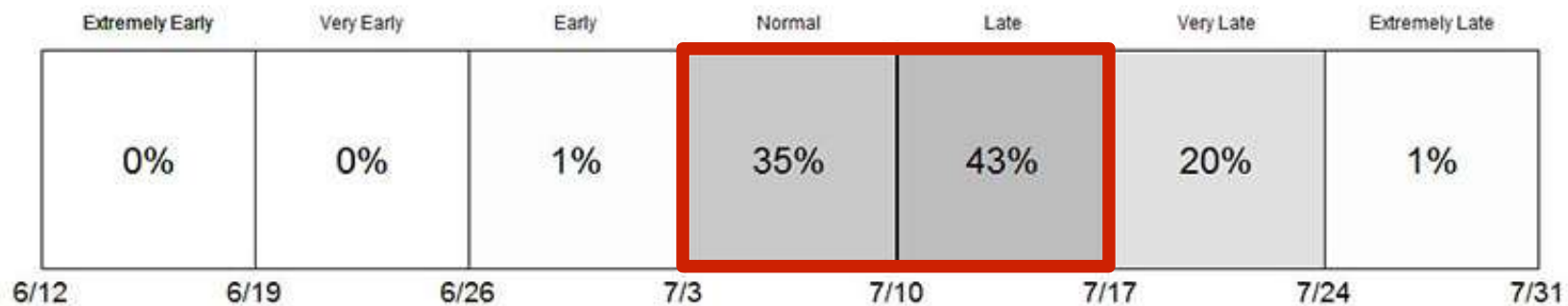
Forecasting fishery timing



Forecasting fishery timing



April 15, 2015 Forecast



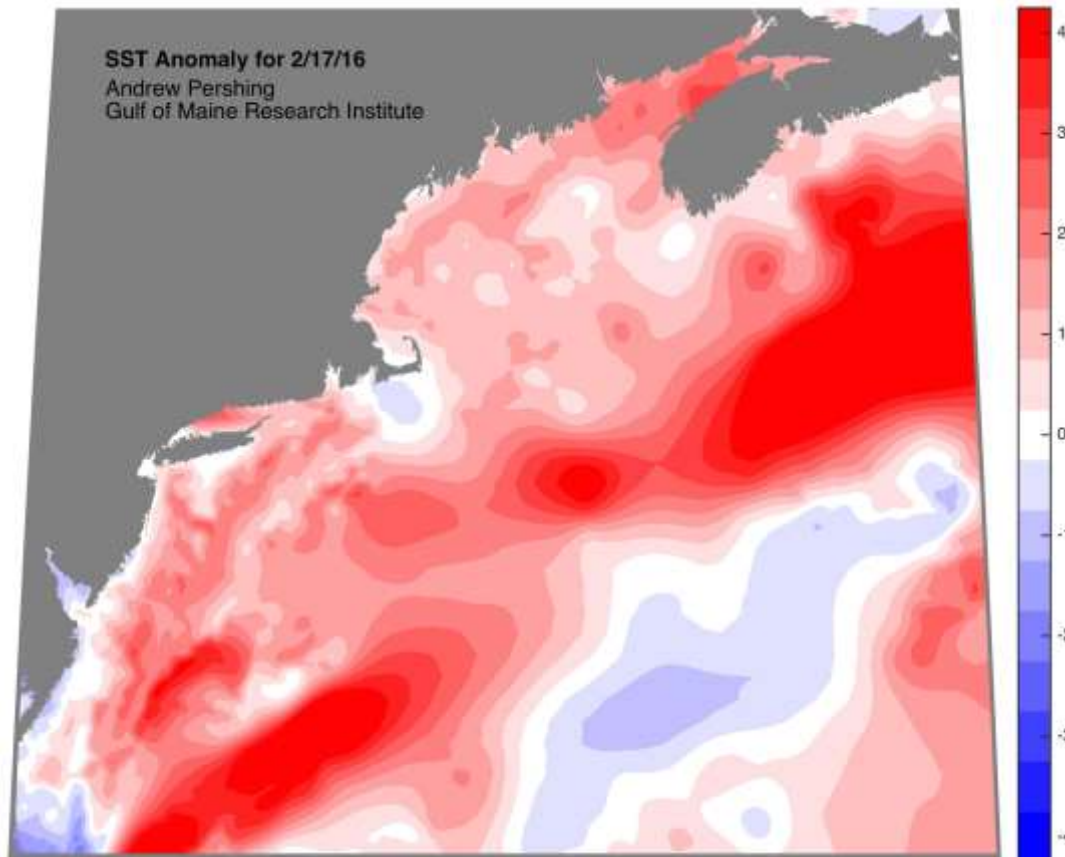
Forecasting fishery timing

2015 Forecasts

	Extremely Early	Very Early	Early	Normal	Late	Very Late	Extremely Late	
March 4	0%	0%	0%	31%	36%	31%	2%	
March 11	0%	0%	0%	33%	43%	24%	0%	
March 18	0%	0%	4%	46%	46%	4%	0%	
March 25	0%	0%	7%	66%	16%	11%	0%	
April 1	0%	0%	0%	29%	42%	28%	1%	
April 8	0%	0%	1%	25%	53%	21%	0%	
April 15	0%	0%	1%	35%	43%	20%	1%	
	6/12	6/19	6/26	7/3	7/10	7/17	7/24	7/31

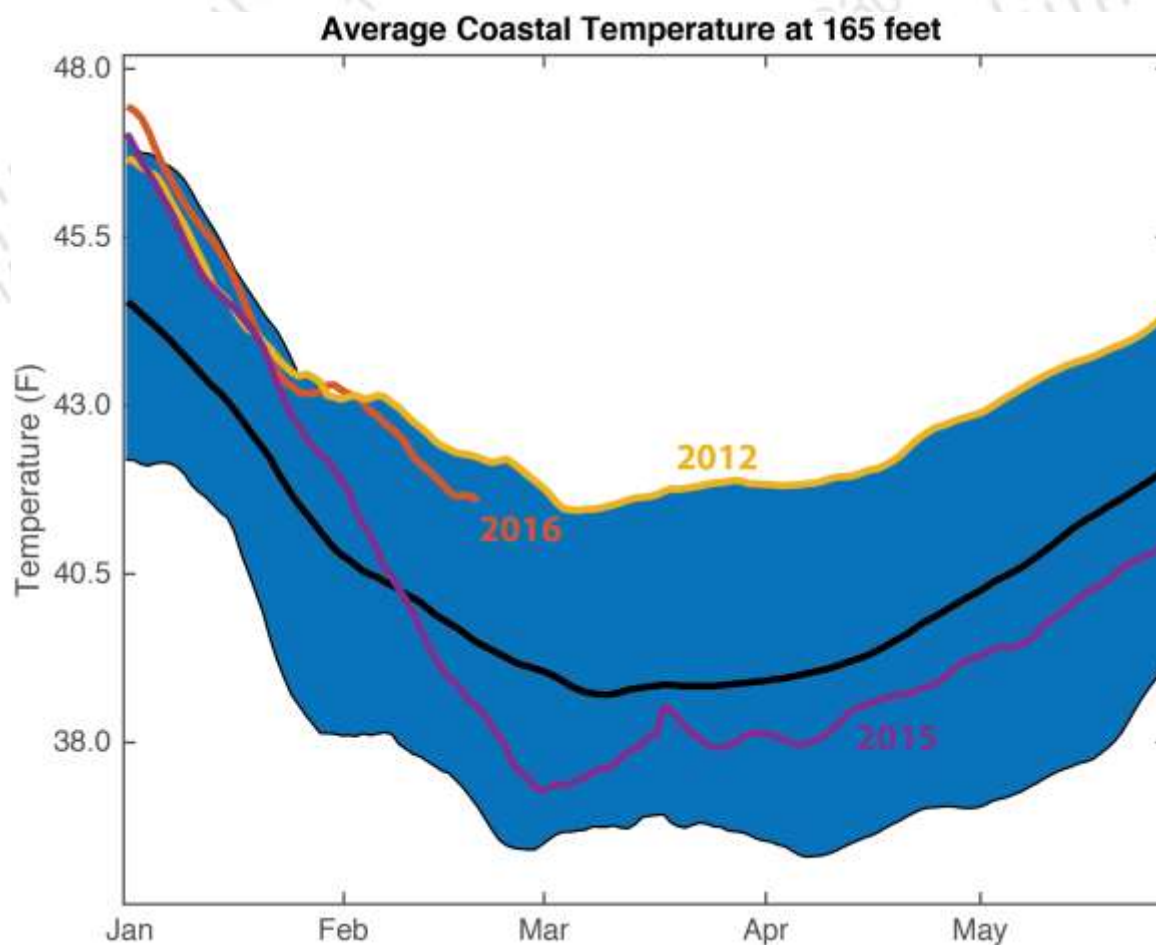
2016 forecast

**2016 forecast available starting next week:
www.gmri.org/lobster-forecast**



2016 forecast

**2016 forecast available starting next week:
www.gmri.org/lobster-forecast**



2016 forecast

**2016 forecast available starting next week:
www.gmri.org/lobster-forecast**



Photo: Michelle Brown, GMRI



Photo: Maine Lobstermen's Association



Photo: Curt Brown, Ready Seafood

2016 forecast

**2016 forecast available starting next week:
www.gmri.org/lobster-forecast**

ME14A-0587: Ocean observing systems support operational forecasts for the timing of Maine's lobster fishery

