



Name	Broad-scale Climate Influences on Cod (<i>Gadus morhua</i>) Recruitment on Georges Bank
Description	Published in 2011 in ICES Journal of Marine Science. Summarized from the abstract: The North Atlantic Oscillation (NAO) and Atlantic Multidecadal Oscillation (AMO) (indices of atmospheric variability and long-term sea surface temperature, respectively) were used to develop a model examining climate influences on Georges Bank cod recruitment. A simple Cushing-type model was developed, and then expanded to include climate influences. The resulting auto-regressive-integrative-moving average (ARIMA) type model (ARIMAX) produced reliable forecasts, and it is recommended that it be implemented in short term prediction for Georges Bank cod assessments and forecasts, as well as management strategies.
Type	- PRODUCTS: Hindcasts (climatologies, models) - PRODUCTS: Forecasts and outlooks (monthly to annual, models)
Sector	- Managed Ecosystems
Focus Area	- Sustainability of Marine Ecosystems
Region	- Regional Or State -- New England
Lead Agencies	Federal Research Institute for Rural Areas, Institute for Sea Fisheries; NOAA NMFS (National Marine Fisheries Service)