

Seminar

Speaker:

**Dr Noel Cadigan
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Monday, February 2, 2015

1:00 p.m., HH-3017

An integrated state-space stock assessment model for northern cod and short-term prospects for the fishery.

Abstract:

I present a state-space assessment model for northern cod that utilizes several sources of information on stock dynamics: offshore trawl survey indices, inshore gillnet indices, inshore acoustic biomass estimates, fishery catch age-composition information, partial fishery landings information, and some tagging information. By integrating much of the information on northern cod in one model I can address problems that are difficult to deal with using data sources individually. I use the model to provide projections of the impacts of various levels of future fishery catches on the recovery of this stock. In this talk I focus on the stochastic assumptions and statistical models I use for the various sources of data.