

ForAtlantis

fish610.080 EAFM Tools: Atlantis

Haley Frater

April 7, 2018

About ForAtlantis

This is a tool to visualize fisheries scenarios from the Atlantis model. The fisheries scenarios are for different: 1) fishing mortality, 2) selectivity, and 3) discarding scenarios. These scenarios can be explored by clicking the tabs above. The first graph on each page shows what has been changed in the scenario chosen in the checkboxes. Fisheries scenarios can be chosen for different harvested group and the effects observed for each functional group. This tool shows how the model simulates the Icelandic ecosystem from 1948-2012 and forecasts different fisheries scenarios from 2013-2043

The scenarios

Fishing mortality:

F0.50 = F1 decreased by 50
 F0.75 = F1 decreased by 25
 F1 = Status quo (fishing mortality as in 2012).

F1.25 = F1 increased by 25
 F1.5 = F1 increased by 50
 F2 = F1 doubled.

Selectivity:

sel1 = Status quo selectivity (L0.5 = 87cm).

dec1 = Lower selectivity for juveniles (L0.5 = 90cm).

dec2 = Lower selectivity for juveniles (L0.5 = 93cm).

inc1 = Higher selectivity for juveniles (L0.5 = 84cm).

inc2 = Higher selectivity for juveniles (L0.5 = 80cm).

Discarding:

SQ = Status quo discarding.

L0 = Landing obligation with 100MD2 = More discarding 2x SQ