**Simulation testing the M3 model**

**Fitting the M3 model to preliminary data**

Stock area definitions

Temporal definitions

Data used

* A GLM with five fleets
* Alternative is to reduce spatio temporal coverage and calculate F’s from abundance in
* PSAT data from five sources

UNMAR

AZTI

NOAA

DFO

* Stock of origin data from

AZTI Igaratza Fraile

UMCES/NOAA Dave Secor

* Length composition data

ICCAT CAS

Model fit

Results

Stock mixing

Depletion

Recruitment