



Stock Assessment with FLR

Ispra, 18th - 22nd March, 2013

What is stock assessment ?

How many fish there are in the sea ?

- method to estimate
- stock abundance
- stock productivity (S/R)
- fishing mortality

Conditioned on the holy grail - M

History

- VPAs
 - $N = f(C|Flast)$
- Tuned Models (VPAs, XSA)
 - $N = f(I|C)$
 - Error in I
- SCA
 - $N = f(I,C)$
 - Error in I
 - Error in C
 - Error in S/R, etc

Outline

- Biomass dynamic models
- VPA
- Seperable VPA
- XSA
 - Diagnostics
 - Retrospective analysis
 - Bootstraping
- Statistical catch-at-age framework
 - Explore your models
 - Fast and intuitive