

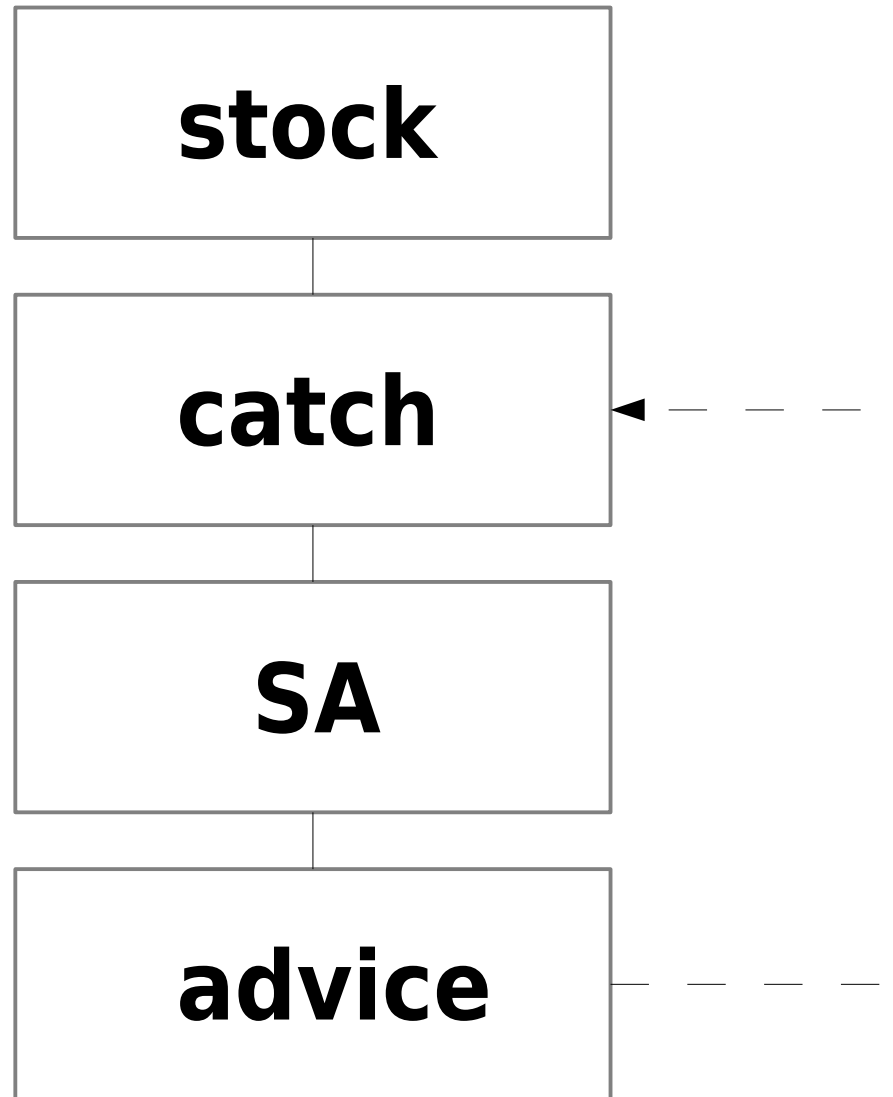
Evaluating management plans for IOTC stocks

IOTC COM16 – AUS 2012

Iago Mosqueira

EC Joint Research Center
IPSC – Maritime Affairs
FISHREG

www.jrc.ec.europa.eu



stock

fleet

data

SA

HCR

stock

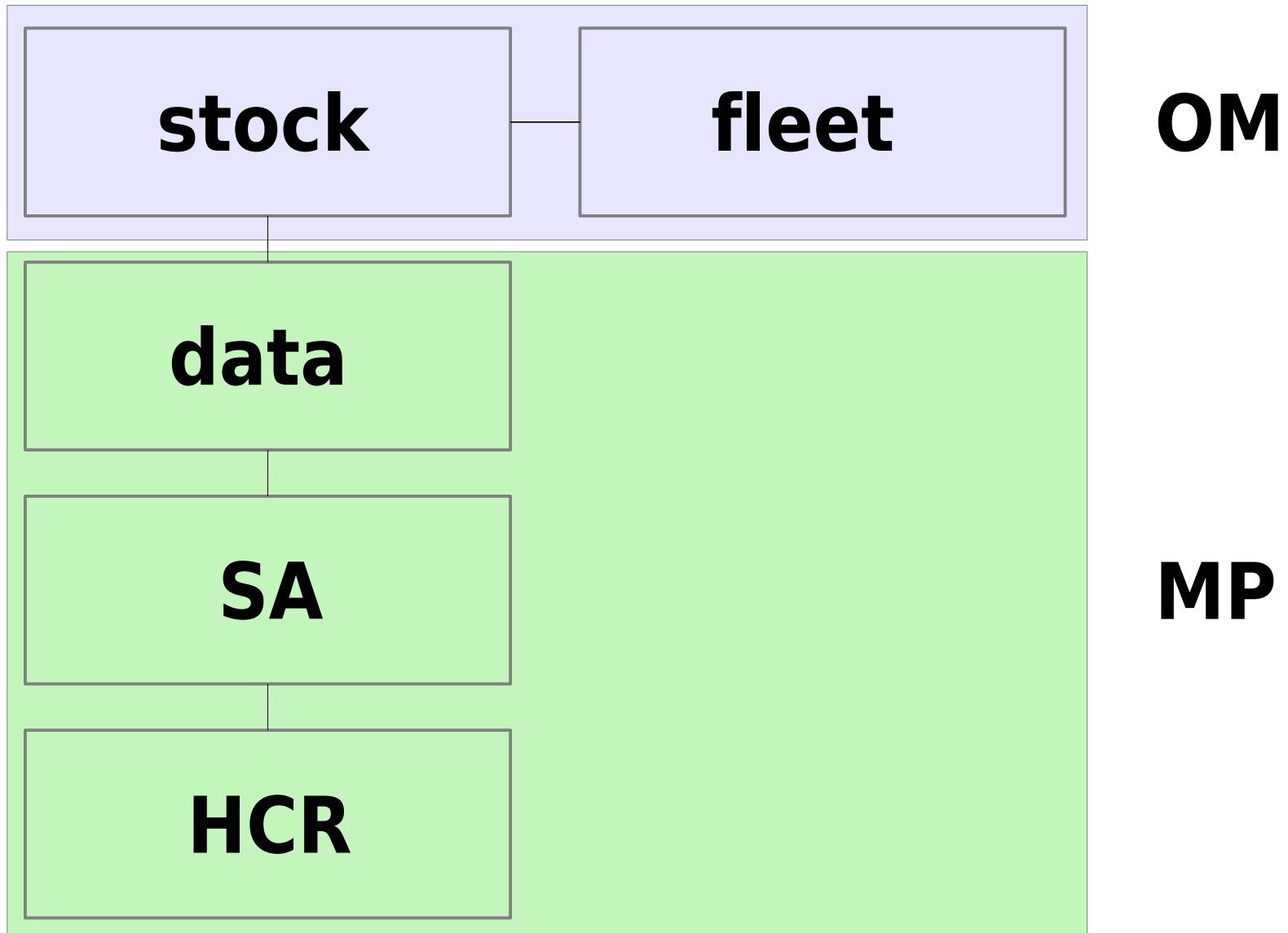
fleet

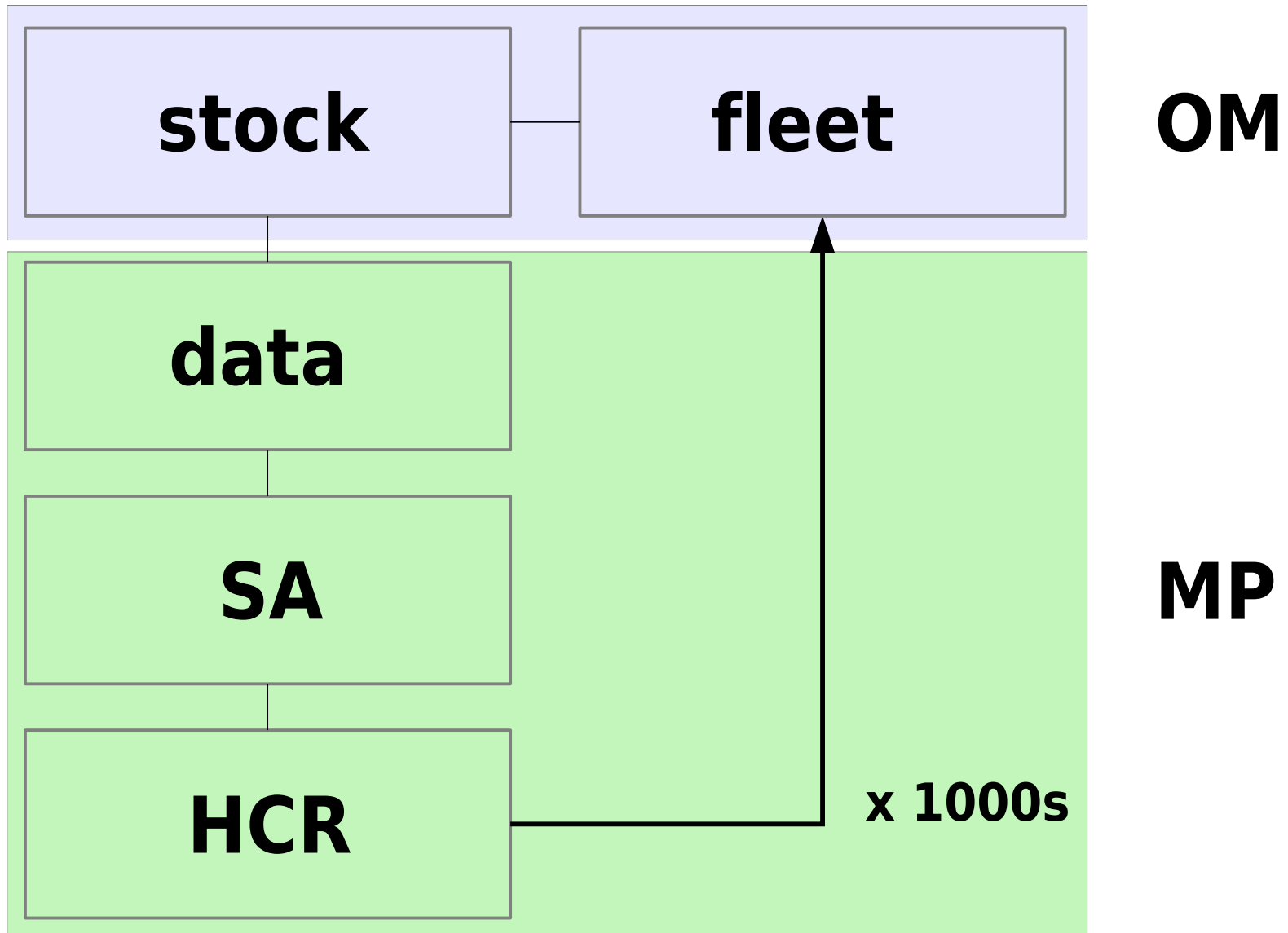
OM

data

SA

HCR





Specify & prioritize **objectives** ...



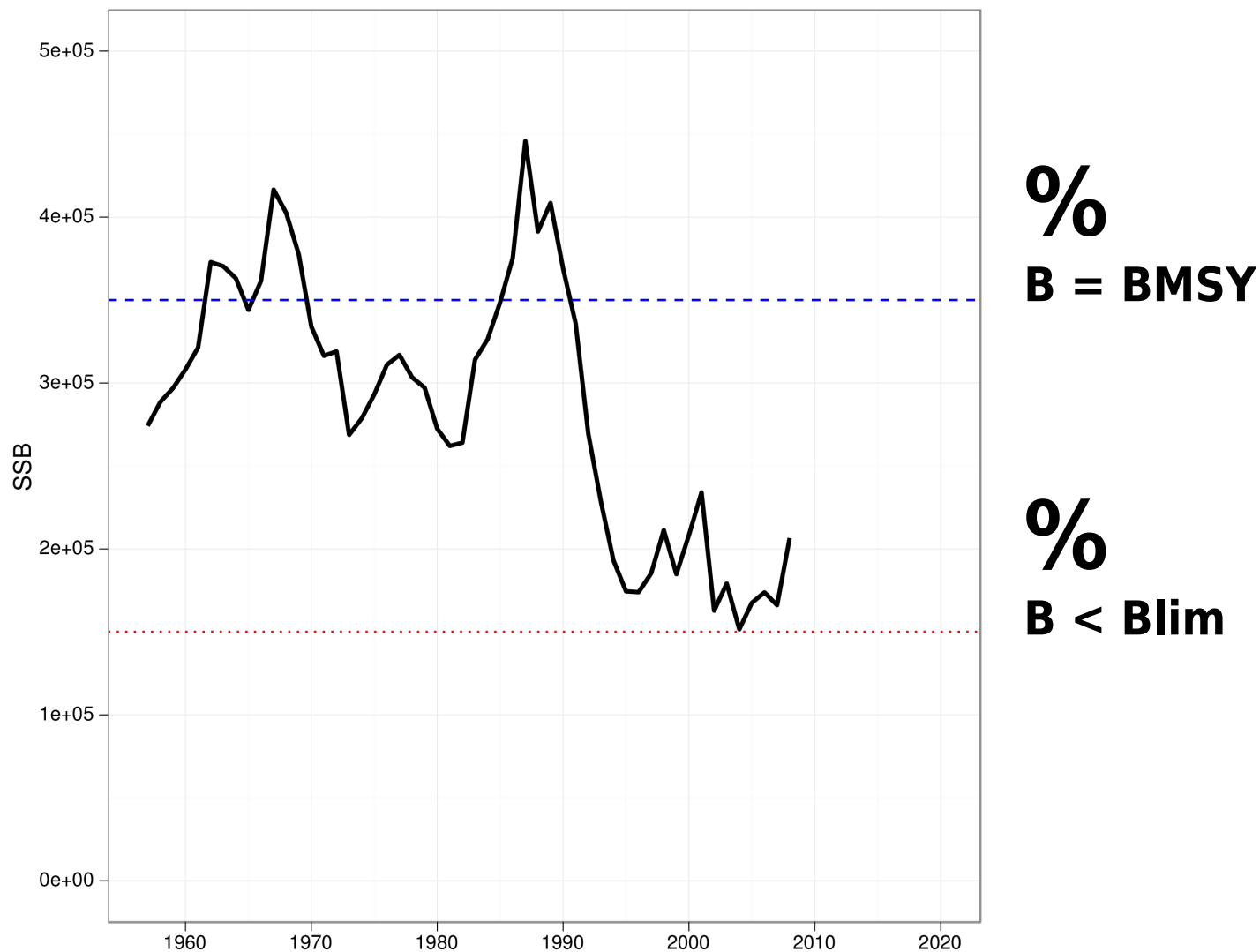
Specify & prioritize **objectives & limits**



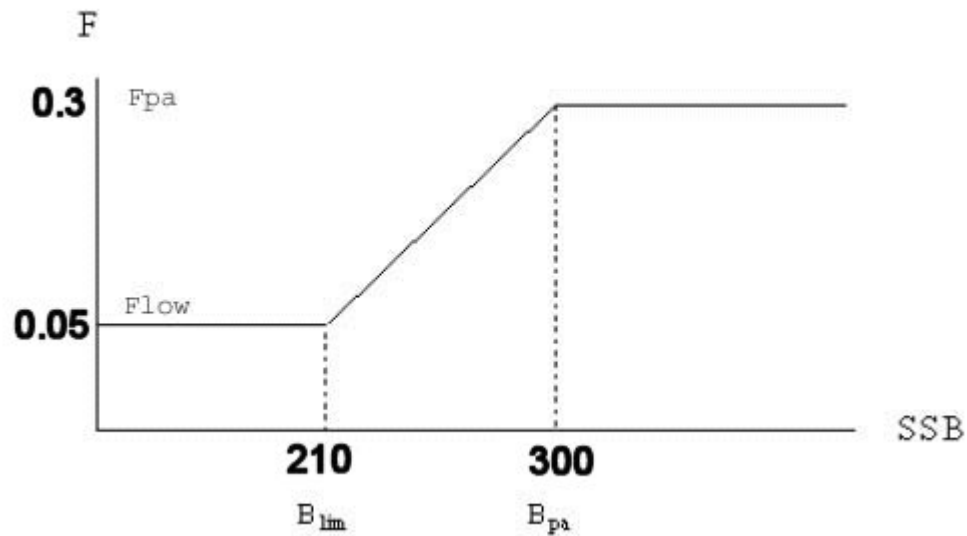
Specify & prioritize **objectives & limits**

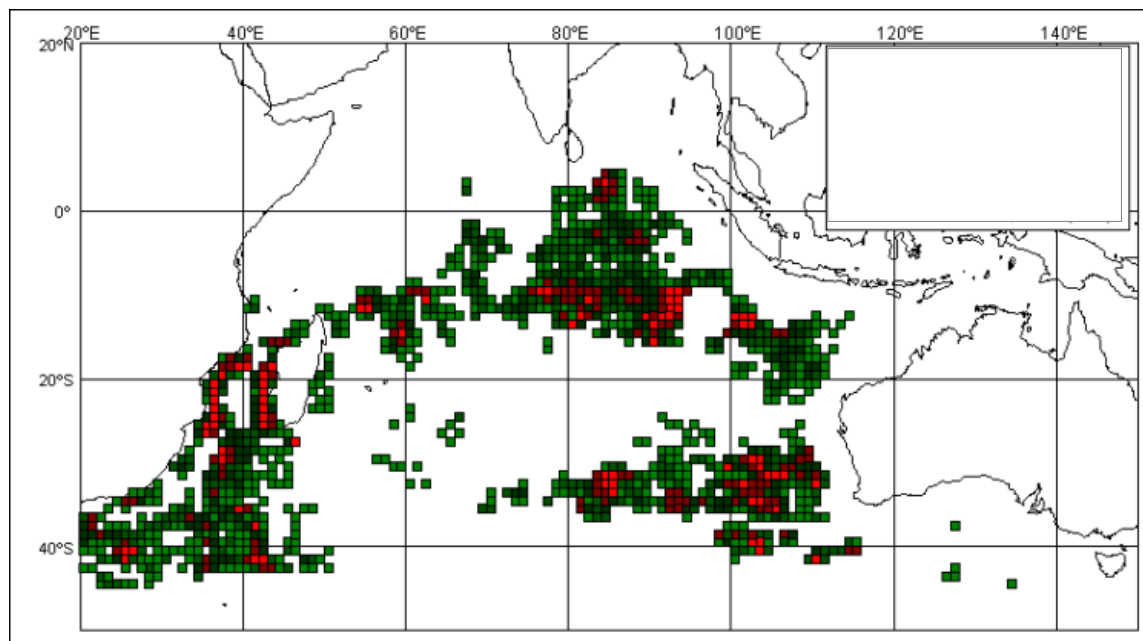
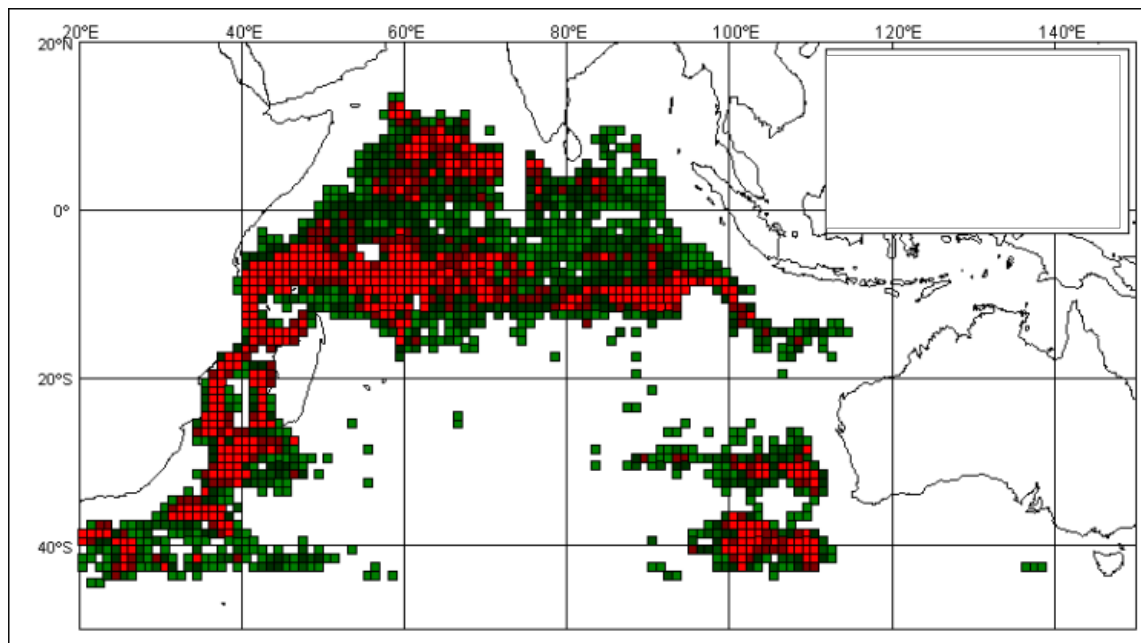


Quantify performance measures

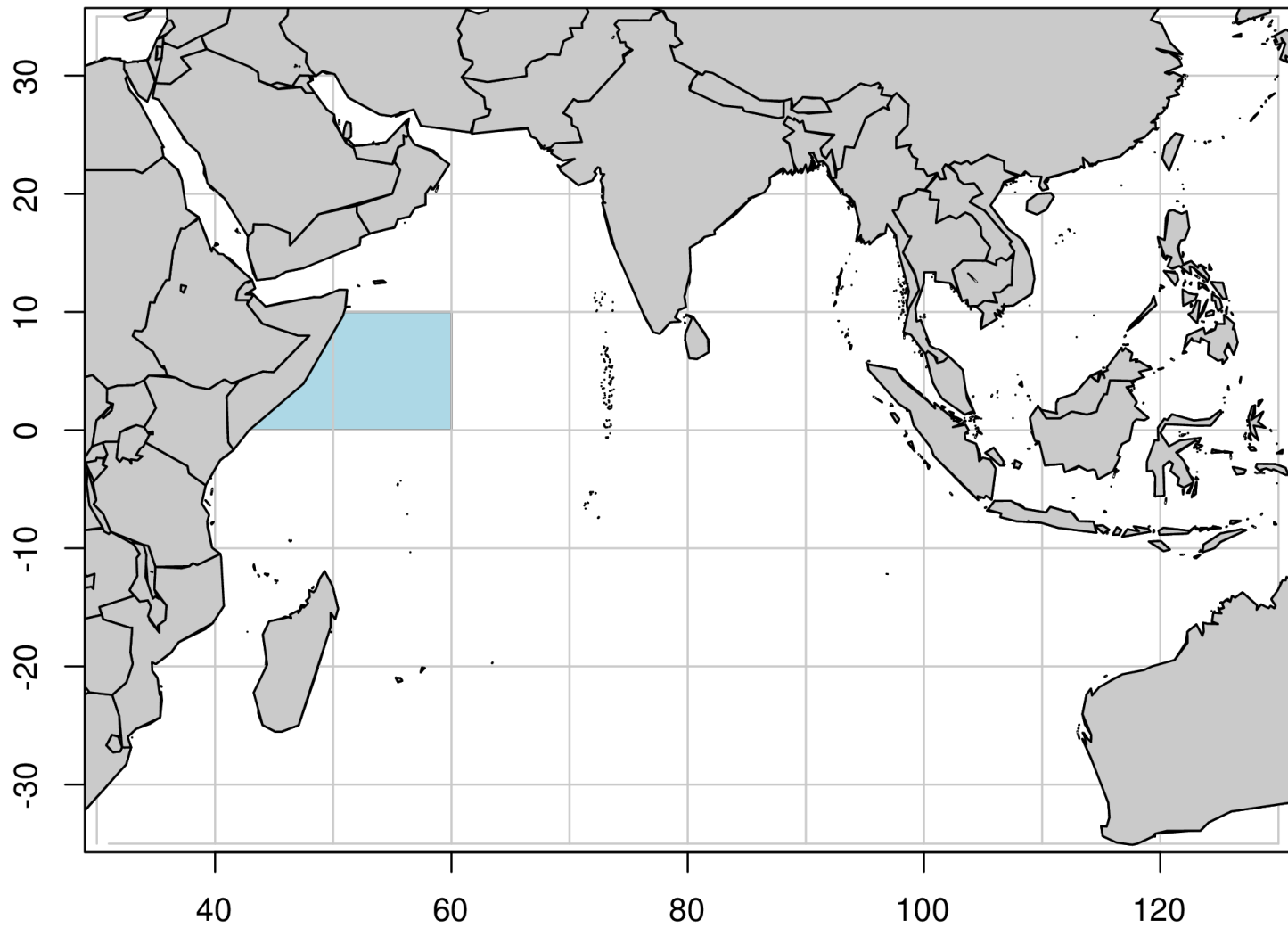


Identify Management Procedures



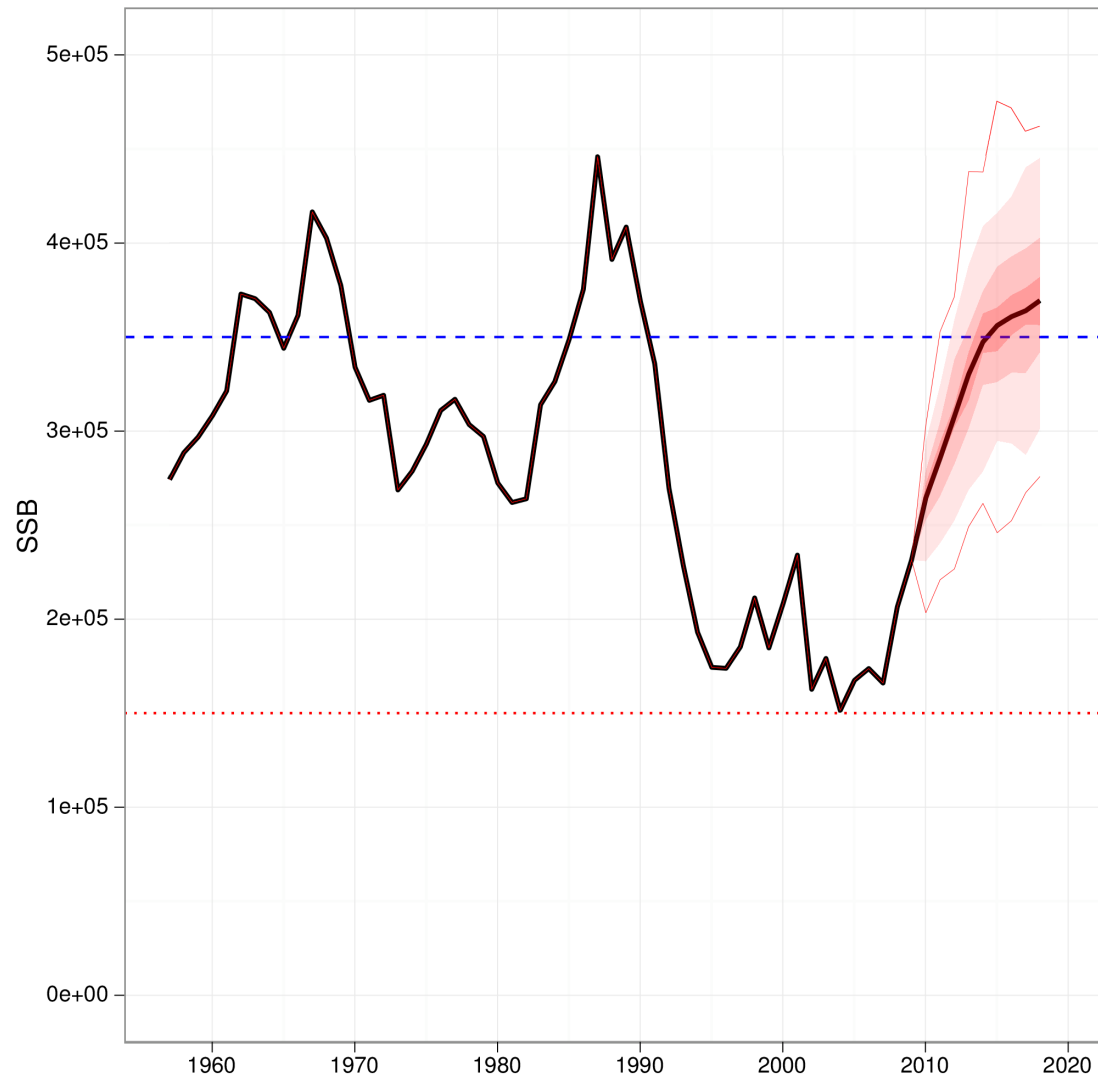


Effort management

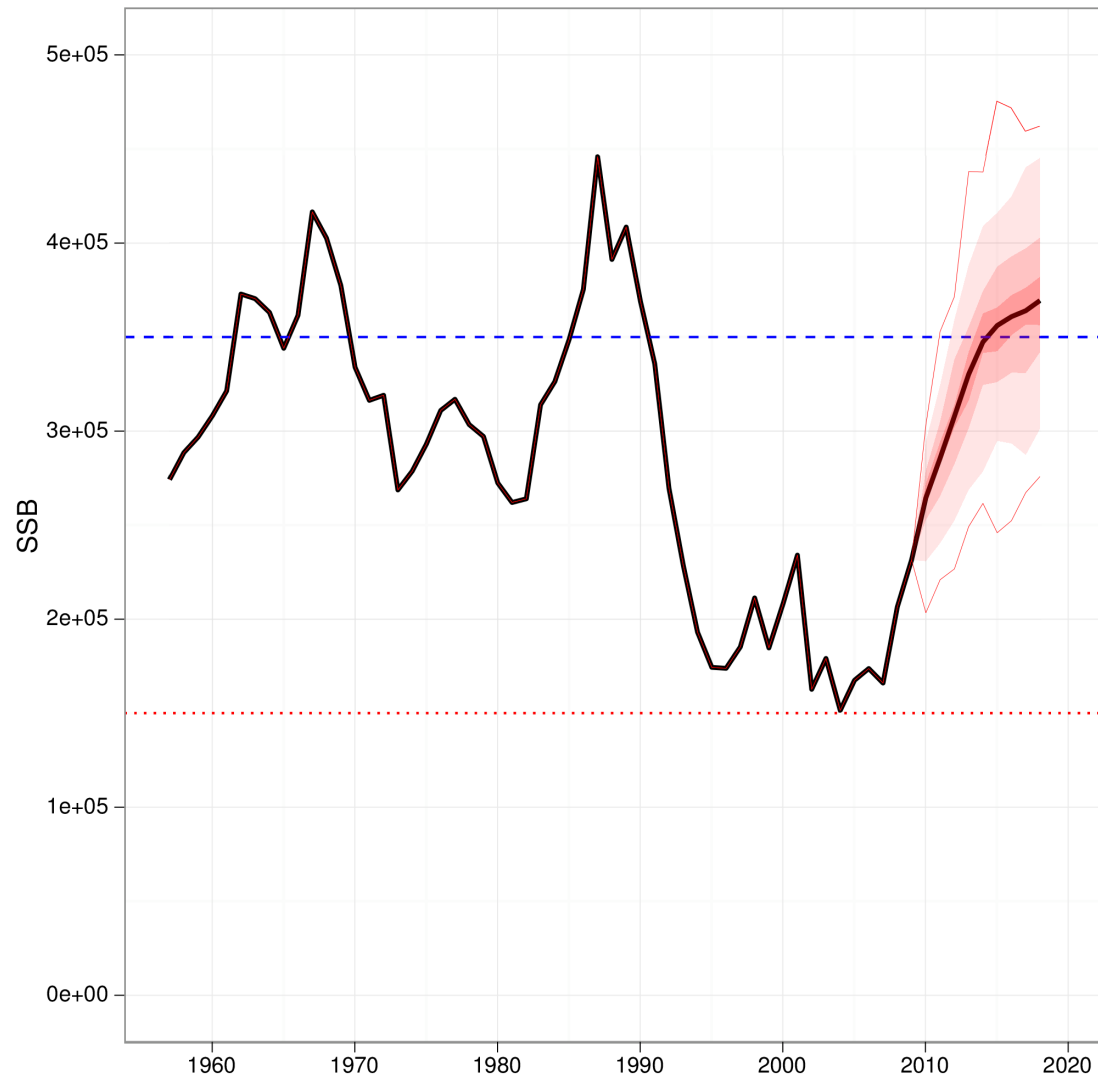


Closed areas/seasons

Conduct simulations



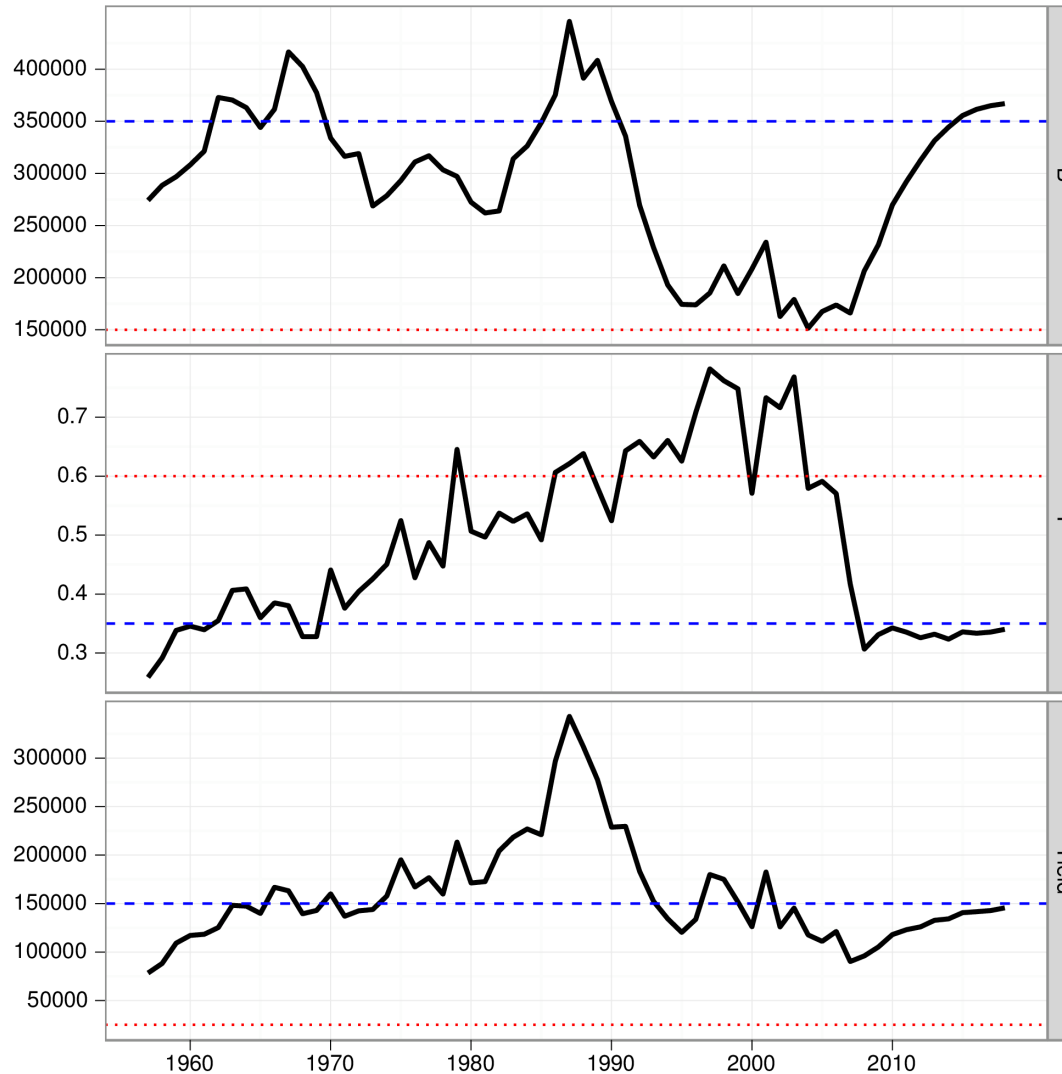
Conduct simulations



69%
 $B > B_{MSY}$

0%
 $B < B_{lim}$

Summarize performance of MPs

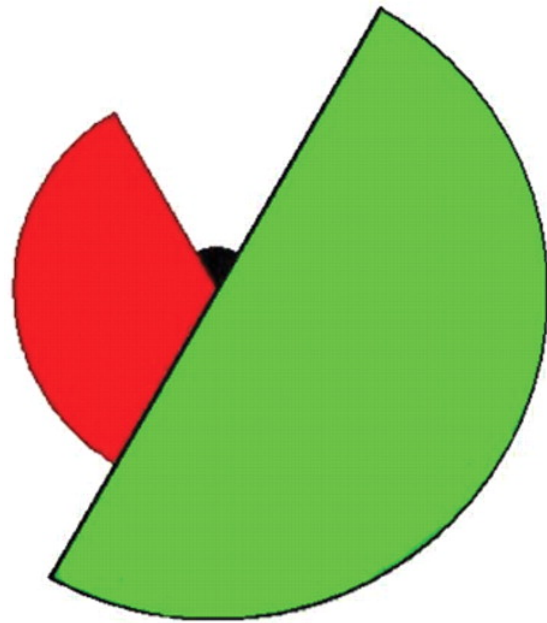


69%
B > BMSY

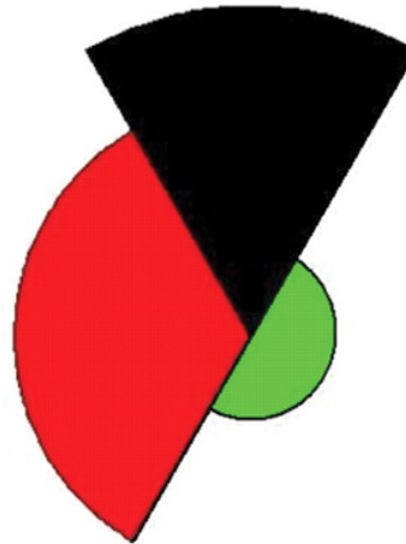
32%
F > FMSY

56%
Y >= MSY

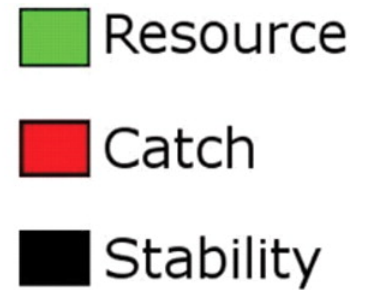
Select best MP



modFree

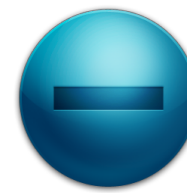


rbPlan

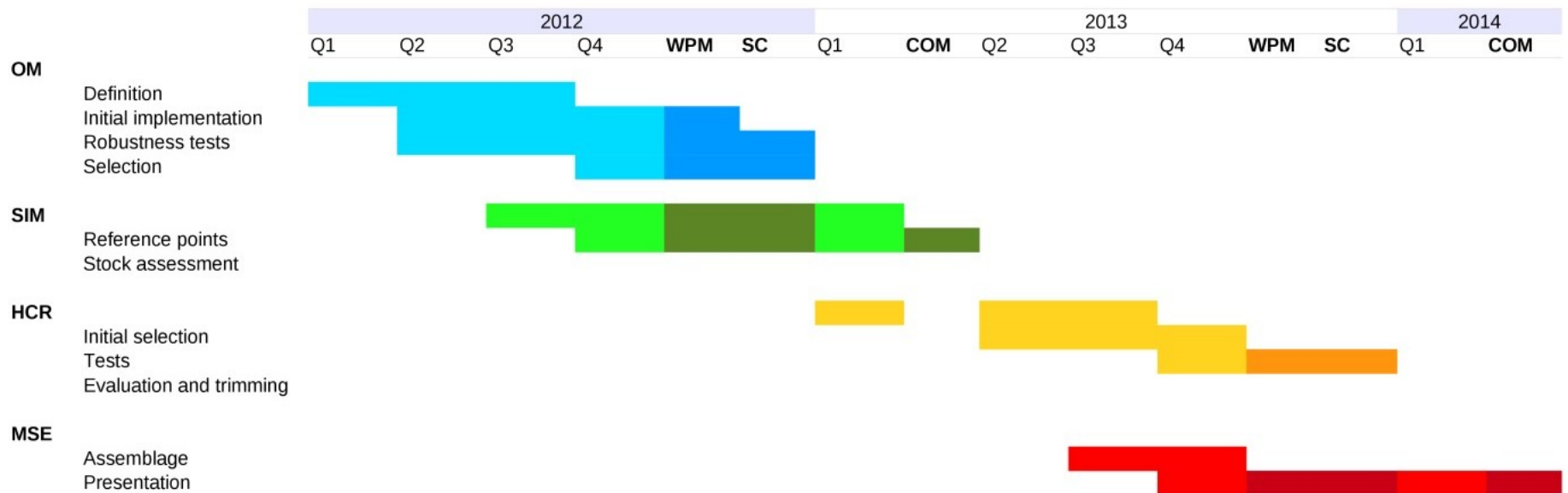




Avoid yearly variability in SA
Long-term trade-offs
Less haggling
No 'wrong' best assessment
Default decision
Risk on board
Consistent with PA
Interaction across the table



Lengthy development
Overly rigid
Autopilot
Data still essential
Results dependent on model



Capacity building

Peer review

Budget

COM

stock priorities
budget

COM to discuss & agree objectives

SC & COM to discuss & agree on limits

“Prediction is very difficult — especially if
it is about the future.”

Niels Bohr