



**Scottish Fishermen's Organisation**  
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# Stakeholder engagement and future demands for fisheries research



Iain MacSween, Pelagic Regional  
Advisory Council



## **Scientists and fishermen**

- Fishermen perception of scientists

## **Common Fisheries Policy**

- Achieve all stocks in healthy condition
- Regional Advisory Councils



## **Challenges**

### **MSY**

“Maintain or restore stocks to levels that can produce the maximum sustainable yield with the aim of achieving these goals for depleted stocks on an urgent basis and where possible not later than 2015” (WSSD 2002)

### **Trade-offs**

Between cod or other economic viable commercial stocks



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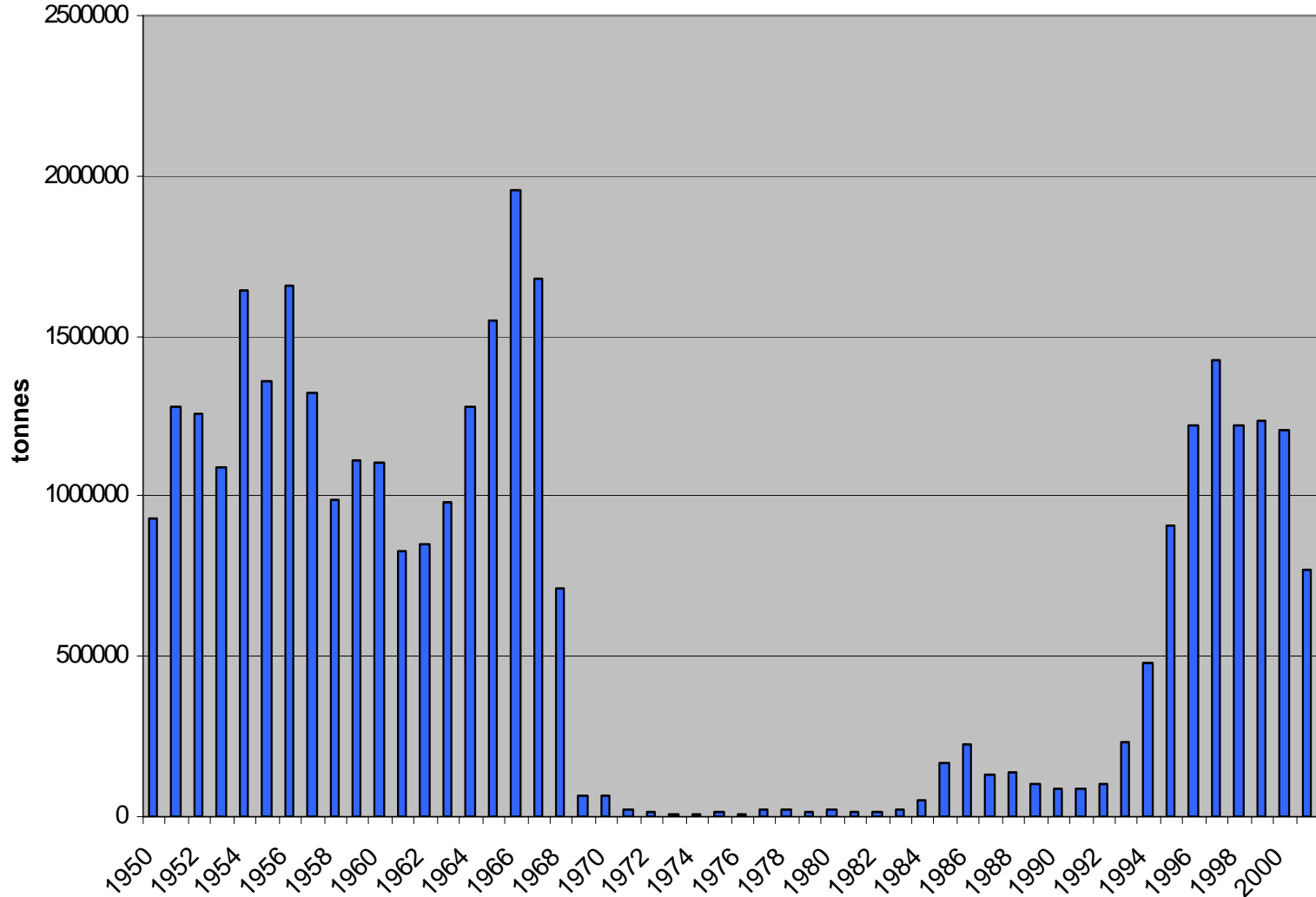
## History of Herring Fishery

ICES advice 2008

North Sea, herring have produced few young fish over the past five years. Catching possibilities will be considerably lower in the future, and ICES recommends reductions in TACs to 175 000.

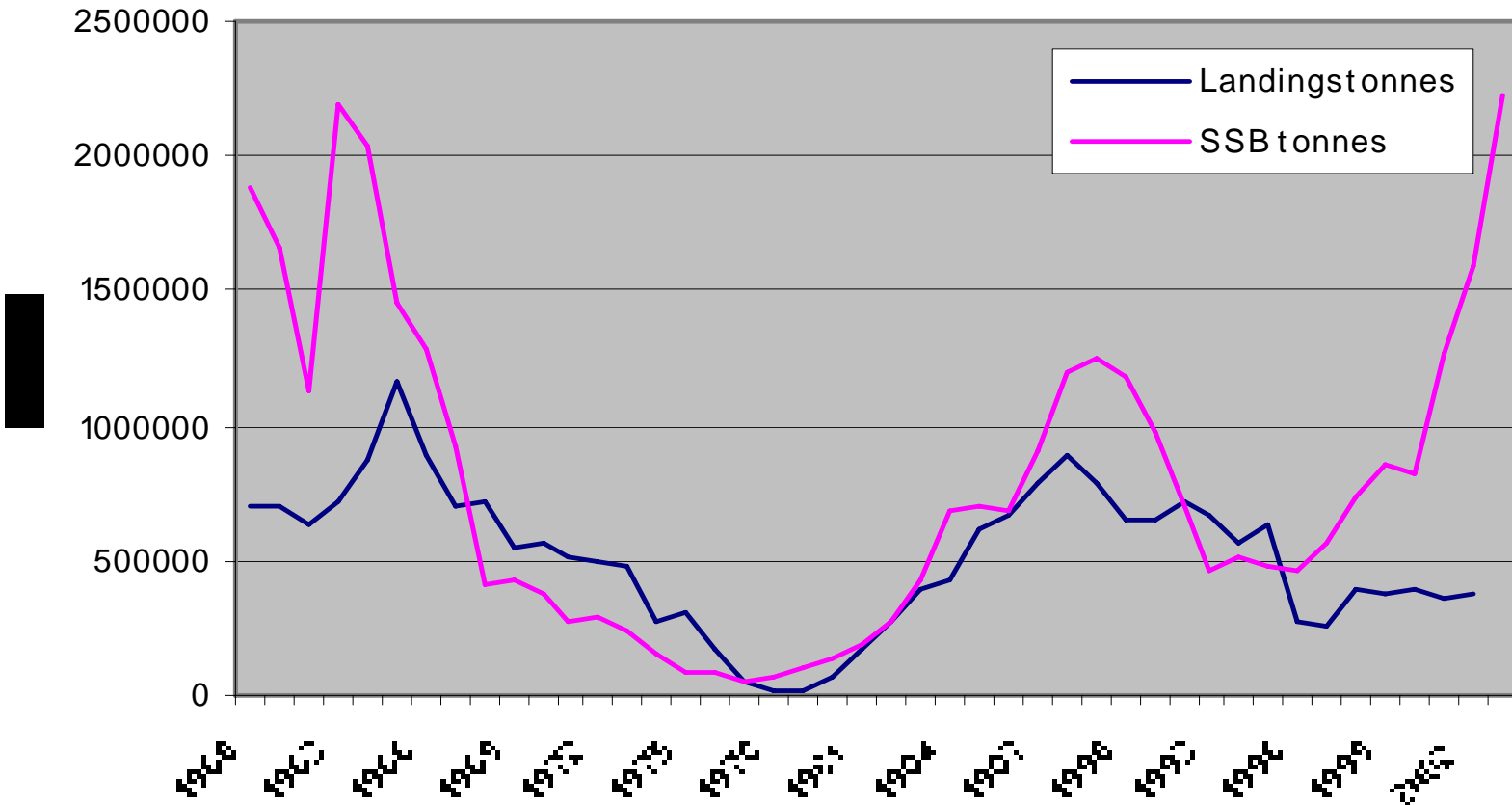


**Atlanto Scandian herring landings**



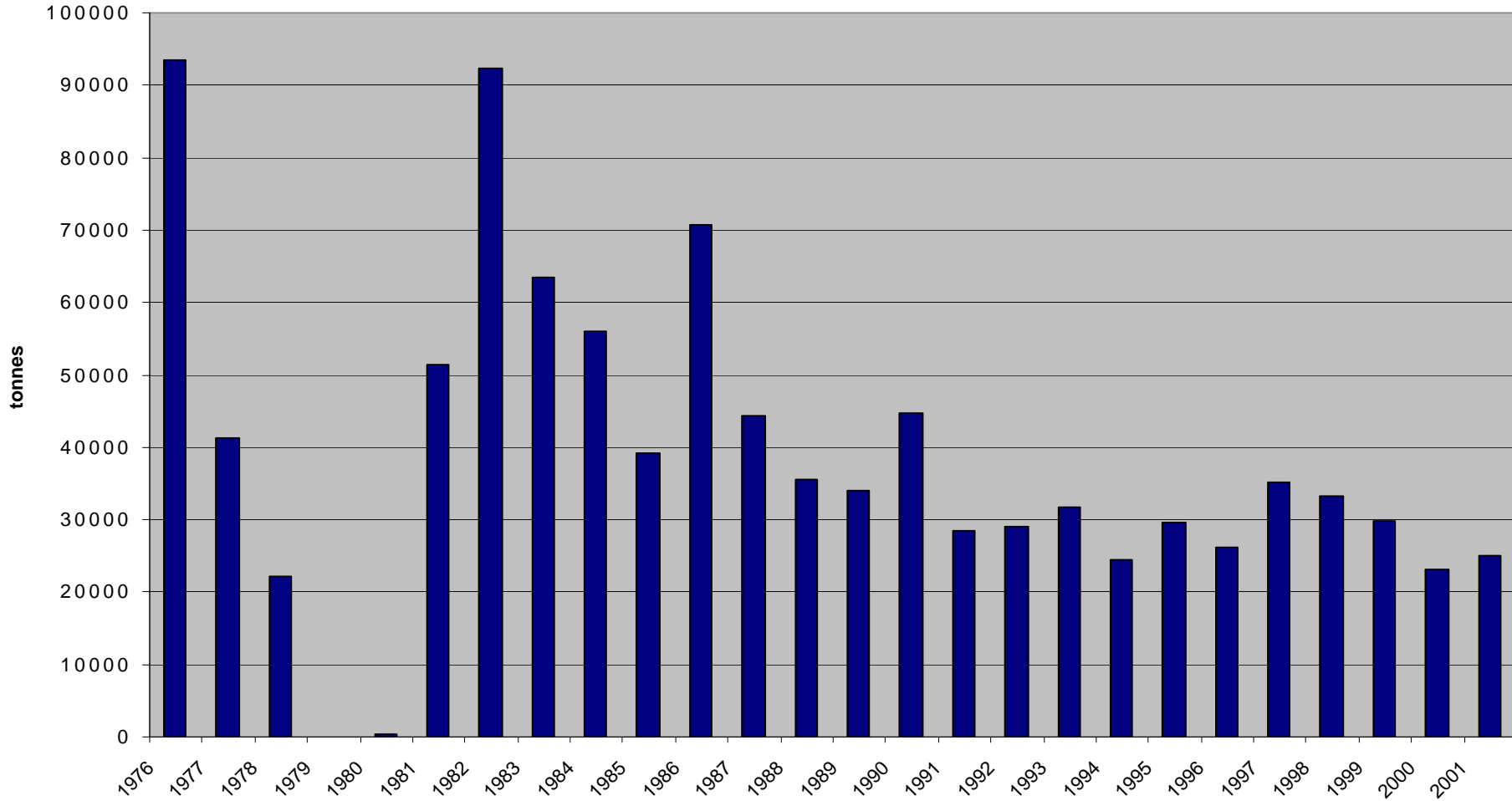


## North Sea herring





**WEST COAST HERRING**

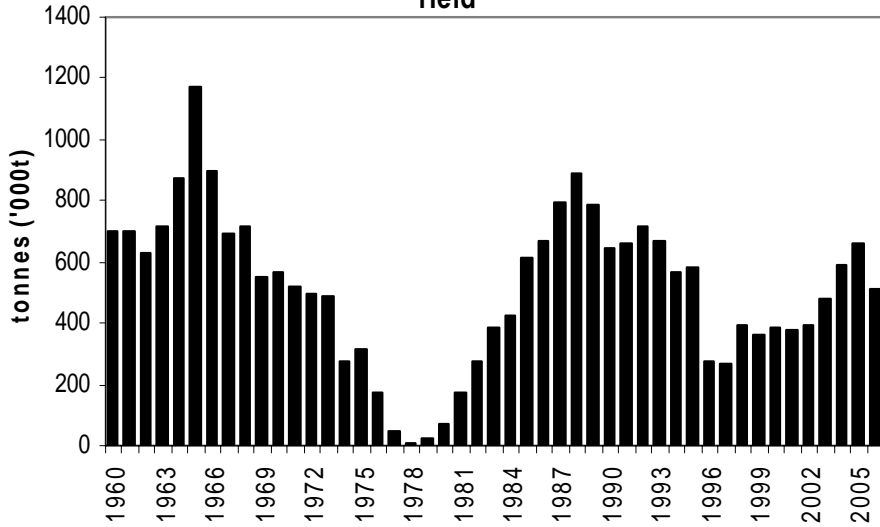




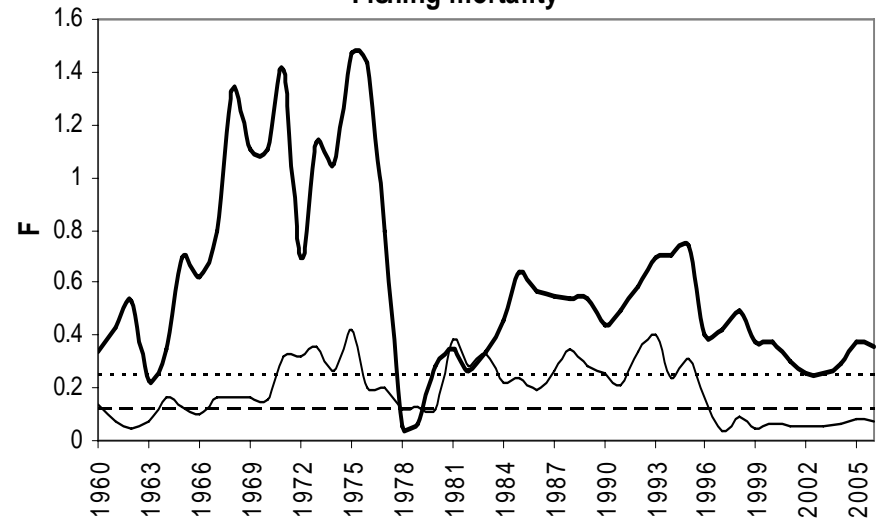
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### Yield



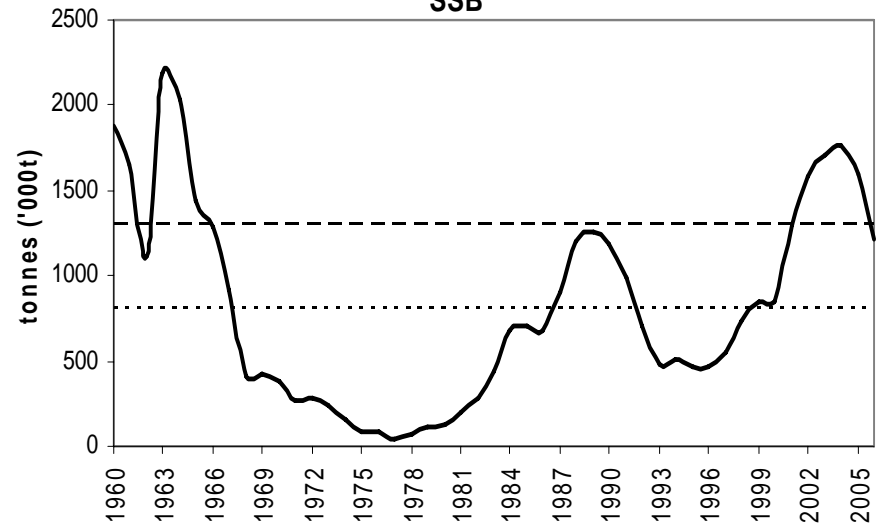
### Fishing mortality



### Recruitment (Age 0)



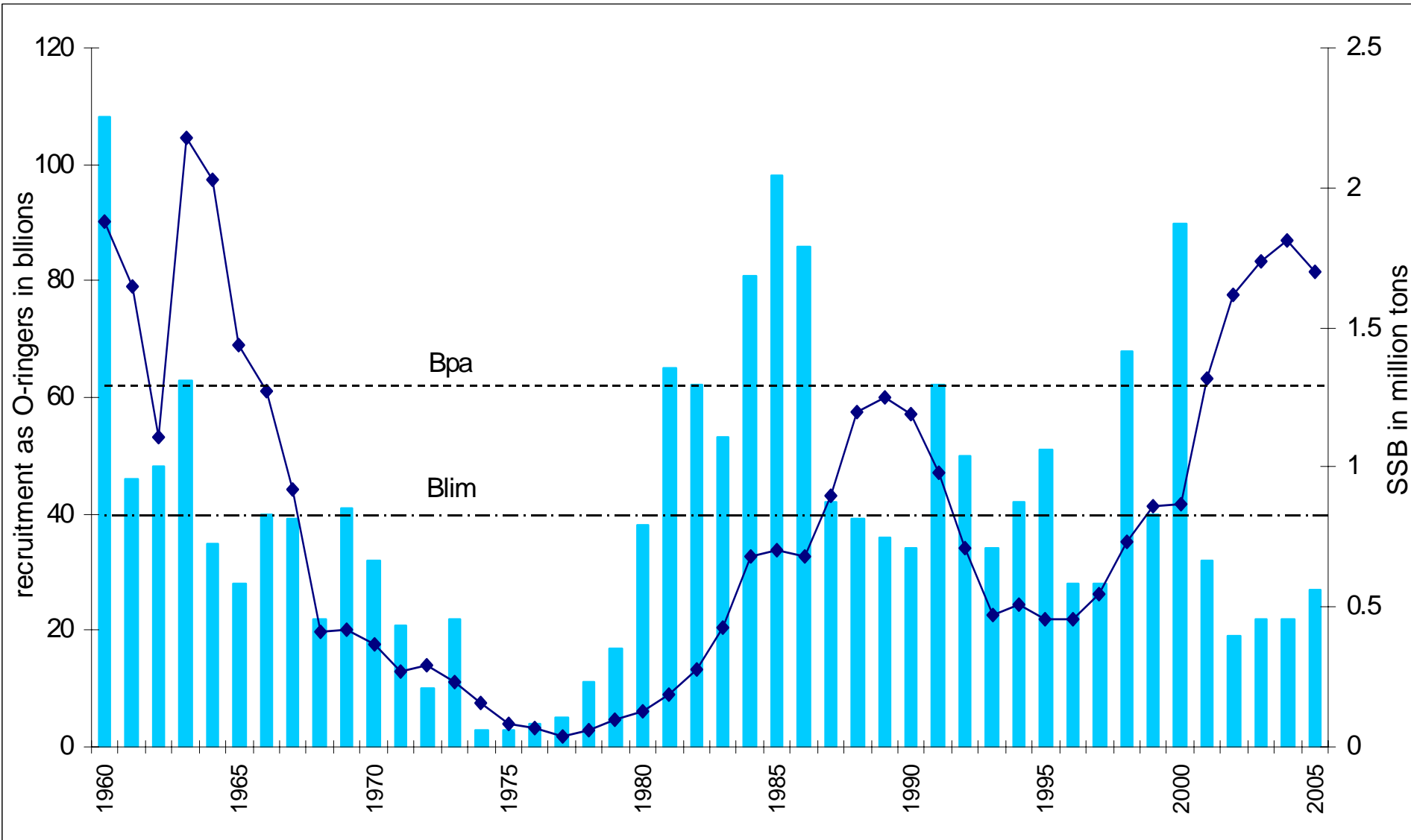
### SSB





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## Future Needs

**There is an emerging view in the pelagic sector that stability is an essential element of fishery management.**

- Scientific advice to enable the setting of TACs and quotas
- Help from scientists to explain environmental changes
- Marine Stewardship Commission (MSC)