

The amount of a species in the sea varies from year to year

- Natural conditions differs a lot between years
- If the species is fished too hard, the number of new fish decreases
- A depleted stock is more sensitive to 'poor' years
- If the species is fished very little, the number and growth of new fishes may decrease
- MSY managed stocks are between these extremes





- Very few fisheries catch just one species
- Optimising catch for one species in isolation generally means losing another
- Most fishers depend on all of the catch, not just one species
- Separate management for the species provides incentives to underreport catches of the limiting species

'All the shelves are never full at the same time'

- Not all species can be at their maximum at the same time
- Fish compete for food or are eaten by other fish
- So even if they are caught in isolation, they exist in a food web
- We can ignore the other species, but that does not make the issue go away

 ...or we can act on our knowledge, fishing in a way that uses our knowledge to increase yield as well as compliance

