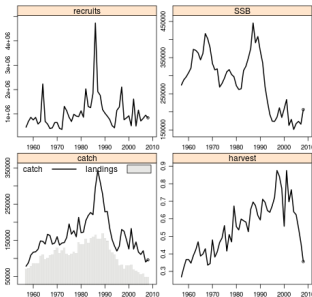


# The FLStock class

Plaice in IV



FISHREG  
Maritime Affairs Unit - IPSC  
European Commission  
Joint Research Center

## FLStock

A class that represents the population dynamics of a fish stock.

Contains:

- Fisheries information:
  - Catches, landings, discards (numbers, weights)
  - Fishing mortality
- Biological information:
  - Stock abundance (numbers, weights)
  - Natural mortality ( $m$ )
  - Maturity

## What is it?

A **composite** object - a class made up of other classes

An **FLStock** is made up of **FLQuant** objects

FLStock: ple4

```
[ FLQuant: catch.n |  
L _ _ _ _ _ _ _ _  
[ FLQuant: catch.wt |  
L _ _ _ _ _ _ _ _  
[ FLQuant: harvest |  
L _ _ _ _ _ _ _ _  
[ FLQuant: ... |  
L _ _ _ _ _ _ _ _
```

## Slots

All FLQuant slots are the same size  
17 of them

- **catch, catch.n, catch.wt**
- **landings, landings.n, landings.wt**
- **discards, discards.n, discards.wt**
- **stock, stock.n, stock.wt**
- **m, mat, harvest**
- **harvest.spwn, m.spwn**