

# The FLStock class



Maritime Affairs Unit - IPSC  
European Commission  
Joint Research Center

## The FLStock class

- Represents our view of the dynamics of a stock.
- Composed of FLQuant objects
- catch: # FLQuant holding the total catch (landings plus discards) in weight for all quants

\*catch.n: # FLQuant holding the catch in numbers by quant

\*catch.wt: # FLQuant holding the weight at quant in the catch, usually obtained from those for landings and discards

\*discards: # FLQuant holding the total discards in weight for all quants

\*discards.n: # FLQuant holding the discards by quant in numbers

\*discards.wt: # FLQuant holding the weight at quant of the discards

## The FLStock class

\*stock: # FLQuant holding the stock weight for all quants.  
Usually obtained from an assessment method

\*stock.n: # FLQuant holding the stock numbers by quant, output  
from a quant-structured assessment method

\*stock.wt: # FLQuant holding the weights at quant in the stock

\*m: # FLQuant holding the natural mortality by quant

\*mat: # FLQuant holding the maturity by quant, usually as a  
proportion

\*harvest: # FLQuant holding the harvest mode rate by quant

\*harvest.spwn: # FLQuant holding the fraction of the harvest  
mode occurring before spawning

## Methods

- Calculations
- Summary
- Subset
- Operations
- Plot
- Accessors
- Conversions

# All at once

