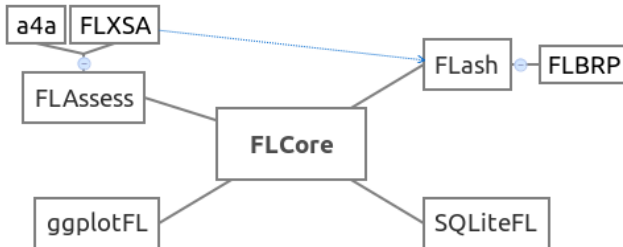


# The FLCore package of FLR



FISHREG  
Maritime Affairs Unit - IPSC  
European Commission  
Joint Research Center

## FLCore in FLR



## OOP basics

- Class: `data.frame`, `vector`, `matrix`
- Method: `plot`
- Signature: `plot(data.frame)` vs. `plot(vector)`



## S4 classes

- Fuller OOP mechanism in R
- Extension of S3
- Used extensively by FLR

## Basic classes

- FLArray, **FLQuant** & FLCohort
- **FLPar**
- FLQuantPoint

## Composite classes

- **FLStock**
- **FLSR**
- **FLIndex**
- FLBiol
- FLFleet

## Plural classes

Lists with all elements being of the same class

- **FLQuants**
- **FLStocks**
- **FLIndices**
- **FLBiols**

## Current status

- Version 2.5.0 in development
- 2.6 out in May-June
- Currently has
- 12,351 lines of code
  - Exports 28 classes
  - 289 methods
  - 7 datasets