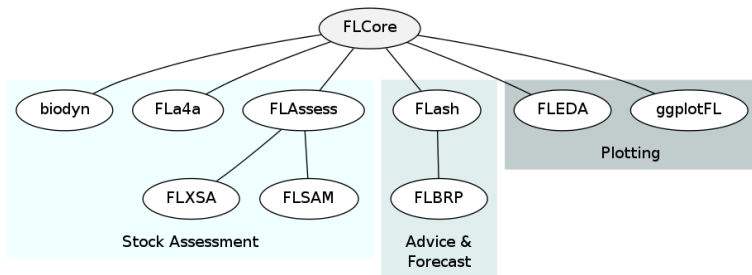


The FLCore package of FLR



FLR Team
Maritime Affairs Unit - IPSC
EC 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.* in development
- Currently has
- 12,351 lines of code
 - Exports 28 classes
 - 289 methods
 - 7 datasets