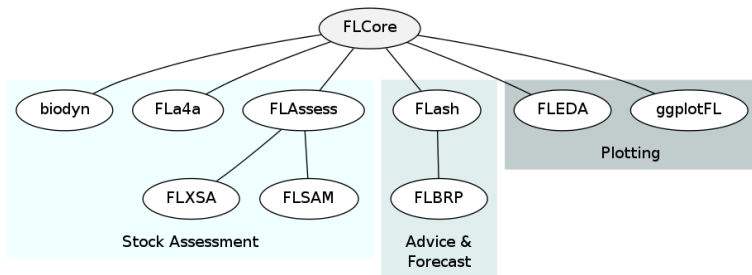


# The FLCore package of FLR



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## FLCore in FLR



## Some OOP basics

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



## S4 classes

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

## Basic classes

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

## Composite classes

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

## Plural classes

Lists with all elements being of the same class

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

## Current status

- Version 2.5.\*, always in development
- Currently has
- 12,351 lines of code
  - Exports 28 classes
  - 289 methods
  - 7 datasets



## Go for it!

- `install.packages('FLCore',  
 repos='http://flr-project.org/R')`
- `install_github('FLCore', 'flr')`
- FLCore pages: <http://flr-project.org/FLCore>
- FLCore repository: <http://github.com/flr/FLCore>