

Training Course USING FLR FOR QUANTITATIVE FISHERIES ADVICE



FISHREG
Maritime Affairs Unit - IPSC
European Commission
Joint Research Center

Welcome to (almost) the EC JRC, Ispra, Italy.



AGENDA

- TIMETABLE: 9.00 - 12.30 / 14.00 - 17.30
- BREAKS @ 10.30 / 15.30

LOGISTICS

Lunch

- Don Guanella

Dinner

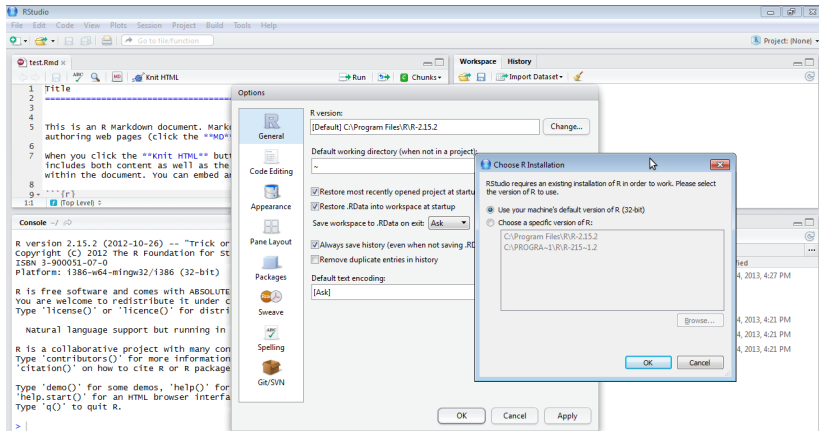
- Don Guanella
- Other places
- Course dinner THU

MATERIALS

- R 2.15.*
- RStudio or other text editor

INSTALLATION

Select 32 bit R



INSTALLATION: packages

```
install.packages("")
```

- akima
- ggplot2
- plyr
- knitr
- RcppArmadillo

INSTALLATION: packages

```
install.packages(repos="http://flr-project.org/Rdevel")
```

- FLCore
- FLEDA
- FLaash
- ggplotFL
- FLBRP
- FLAssess
- FLa4a
- FLXSA

OUTLINE

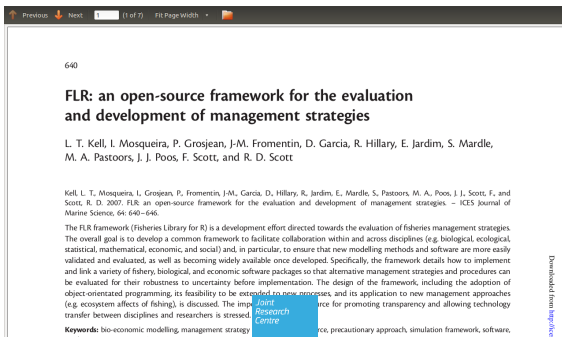
1. Introduction to FLR
2. Load data and EDA
3. Introduction to modelling: FLSR
4. Stock assessment
5. Reference points
6. Forecasting
7. Simulation
8. A Case study

HOW WILL IT RUN

- Presentations
- Tutorials
- Exercises
- Paper of the day

Today's paper

Kell, L. T., Mosqueira, I., Grosjean, P., Fromentin, J-M., Garcia, D., Hillary, R., Jardim, E., Mardle, S., Pastoors, M. A., Poos, J. J., Scott, F., and Scott, R. D. 2007. FLR: an open-source framework for the evaluation and development of management strategies. – *ICES Journal of Marine Science*, 64: 640–646.



LICENSE

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ABOUT US

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Finlay Scott - BioEco, FLR

READY !!

'Men learn while they teach.'

Seneca the Younger