

Chato Osio & Iago Mosqueira

Introduction to R & FLR for Fisheries Science

JAN 2013

Objectives

- R environment
- Introduce R from FS perspective
- First taste of FLR
- Get you to code, it is good for you
- Lose the fear of coding
- Join the ~~mafia~~ community

1st objective



JAN 2013



**GET
EXCITED
AND
MAKE
THINGS**

Logistics

- Timetable: 9.00-12.30 & 14.00-17.30
- Lunch at Palace Hotel or nearby
- WED: Dinner in town
- Some restaurants
 - ▶ Bologna, Via Broggi, 7.
 - ▶ Aart Hotel Varese “Al Pravello”, Via Bertini 3.
 - ▶ Al Vecchio Convento, Viale Luigi Borri 348.
 - ▶ Premiata Gnoccheria e Risotteria, Via Carlo Cattaneo, 1.

Outline - Day 01

AM

- Installing and understanding the system
- Introduction to R
- Getting help
- Data types
- Basic operations

PM

- Data manipulation
- Plotting
- Importing your data

Outline - Day 02

AM

- Mapping
- Writing functions
- Fitting models

PM

- Import and plot your own data

Outline - Day 03

AM

- Introduction to FLR

PM

- Exploratory Data Analysis using FLR
- Short open session

JRC Fishreg: STECF MED, SA, DCF

JRC Fishreg: MSE, FLR, IOTC

Cefas (UK): MSE, FLR

AZTI Tecnalia: Tropical Tuna (ICCAT, IOTC, IATTC)

Imperial College London: Bayesian Geostats MAC

IOTC WPTT & WPM