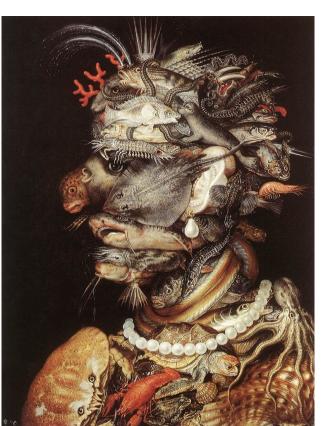# Introduction to R for Fisheries Science

Varese & Ispra, January 2013

JRC – IPSC
Maritime Affairs Unit
FISHREG

Ernesto Jardim

Colin Millar

Iago Mosqueira

Chato Osio

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

Joint
Research
Centre

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.

Joint
Research
Centre

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

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Outline - Day 03
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- Introduction to FLR

PM

- Exploratory Data Analysis using FLR
- Short open session

Chato Osio

JRC Fishreg: STECF MED, SA, DCF

Iago Mosqueira

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

Ernesto Jardim

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