

Chub mackerel (*Scomber colias*) CECAF area data from IEO

Divisions 34.1.2 and 34.1.3-34.3.1

M.T.G. Santamaría, A. Jurado-Ruzafa, E. Hernández, B. Sotillo,
G. González, P. Pascual-Alayón

Instituto Español de Oceanografía (IEO)

THE CANARY ISLANDS

AVAILABLE SO FAR (since 2013 up to date-DCF)

FISHING ACTIVITY

- Artisanal fleet
- Evolution: number, technical features, catches, effort , CPUE (Official Spanish Data)
- Discards estimations – scientific observers (since 2017)

LENGTH SAMPLING

- Monthly at harbour, in the lab & on board (*Concurrent Sampling*)
- Length Composition of Catches and discards

BIOLOGICAL INFORMATION (*monthly sampling at lab*)

- Length, Weight, Sex, Maturity stages, Otolith extraction, Age determination

CECAF/FAO Working Group on the assessment of small pelagic fish off Northwest Africa for future assessment (*LCA, Data-poor models...*)

PILOT ACOUSTIC SURVEY (since 2016. No results so far)

PROJECTS Artisanal Fisheries – Small Pelagic

ICES WKARCM (otolith exchange)

RESULTS (*Publications, Oral, Poster*)

- Artisanal Fisheries: Small Pelagic
- Biology: Length, weight
- Growth: Structures / Protocols ...
- Influence of oceanographic parameters
- Parasites
- Heavy metals content

MAURITANIA (NW AFRICA)

IN THE PAST (from 2004 to 2012/2014-DCF)

FISHING ACTIVITY EU FLEET (Landing in Las Palmas)

- Pelagic-freezer trawlers (decreasing activity)
- Evolution: number, technical features, catches, effort , CPUE (IEO Data)

LENGTH SAMPLING

- Quarterly in the lab, at least
- Length Composition of Catches

BIOLOGICAL INFORMATION (quarterly sampling in the lab)

- Length, Weight, Sex, Maturity stages, Otolith extraction, Age determination (Specific study)

CECAF/FAO Working Group on the assessment of small pelagic fish off Northwest Africa (Biodyn, XSA...)

PROJECTS Small Pelagic NW Africa

ICES WKARCM (workshop and otolith exchange)

RESULTS (Publications, Oral, Poster)

- Fishery description and evolution
- Length Composition
- Biology: L-W, Reproductive aspects: Sex-ratio, first maturity, spawning
- Age and Growth study
- Natural mortality
- Influence of oceanographic parameters