

4th World Small-Scale Fisheries Congress IMAGINE THE (UN)IMAGINABLE Revitilizing SSF in Europe



Pablo Martín-Sosa Canary Islands Oceanographic Centre, Spanish Institute of Oceanography - CSIC, Spain pablo.martin-sosa@ieo.csic.es

Carmelo Dorta

The Canary Islands Government, Fishery Office, Spain cdorta@telefonica.net



GOVERNMENT OF MALTA MINISTRY FOR AGRICULTURE, FISHERIES, FOOD AND ANIMAL RIGHTS





iied



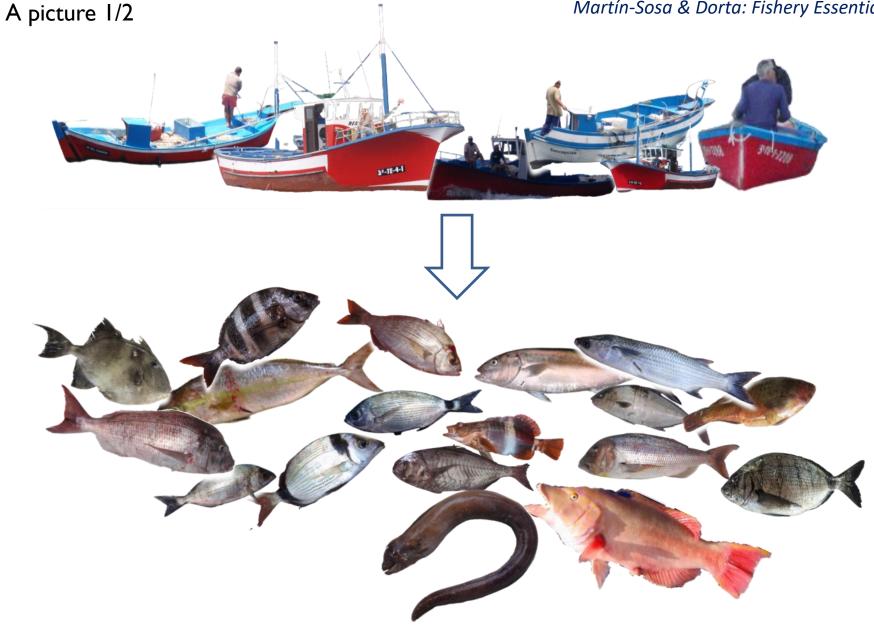
INTERNATIONAL YEAR OF ARTISANAL FISHERIES AND AQUACULTURE



The Canary Islands SSF

4WSFC Europe Malta, September 12-14, 2022

Martín-Sosa & Dorta: Fishery Essentiality

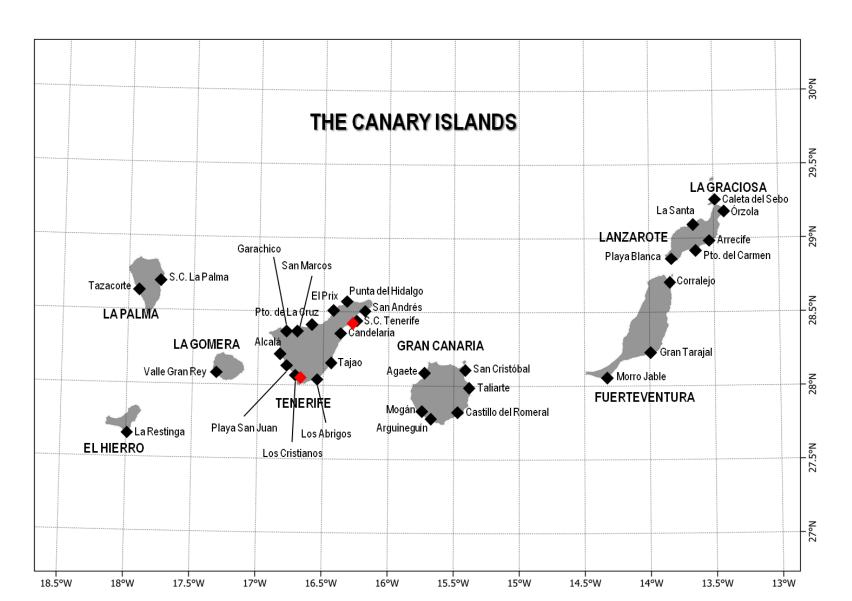


The Canary Islands SSF

4WSFC Europe Malta, September 12-14, 2022

A picture 2/2

Martín-Sosa & Dorta: Fishery Essentiality



Background

4WSFC Europe Malta, September 12-14, 2022 *Martín-Sosa & Dorta: Fishery Essentiality*

EC analitical work

European fisheries

Indicator estimation



European Commission Ecological Fishery Socioeconomic



4WSFC Europe Malta, September 12-14, 2022

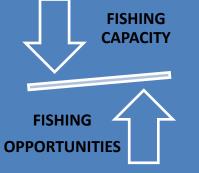
Martín-Sosa & Dorta: Fishery Essentiality

Indicators used

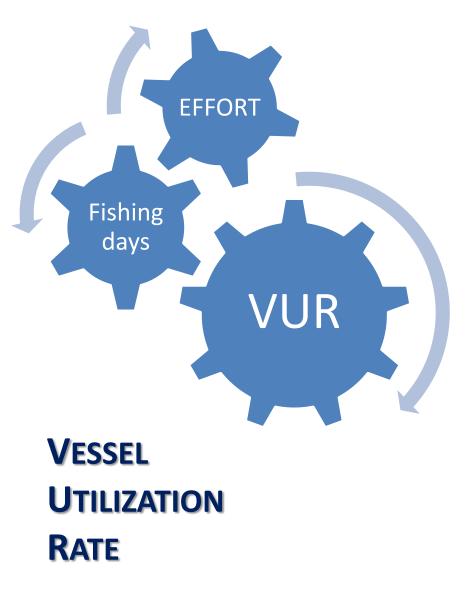


Based on traditional concepts FISHING PROFITABILITY

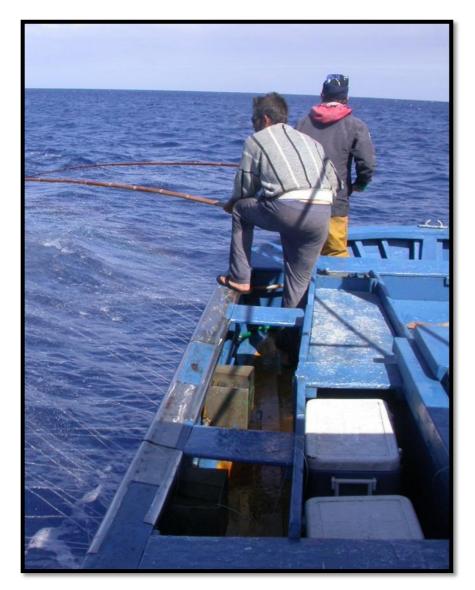
INDICATORS



Indicators example



4WSFC Europe Malta, September 12-14, 2022 *Martín-Sosa & Dorta: Fishery Essentiality*



Fishing capacity underestimation 1/4

4WSFC Europe Malta, September 12-14, 2022 *Martín-Sosa & Dorta: Fishery Essentiality*

LANDING ECONOMIC VALUE

Lower than it should due to:

- Market uncertainties
- Lack of organization of the sector
- Need of better product valorization (market issues)





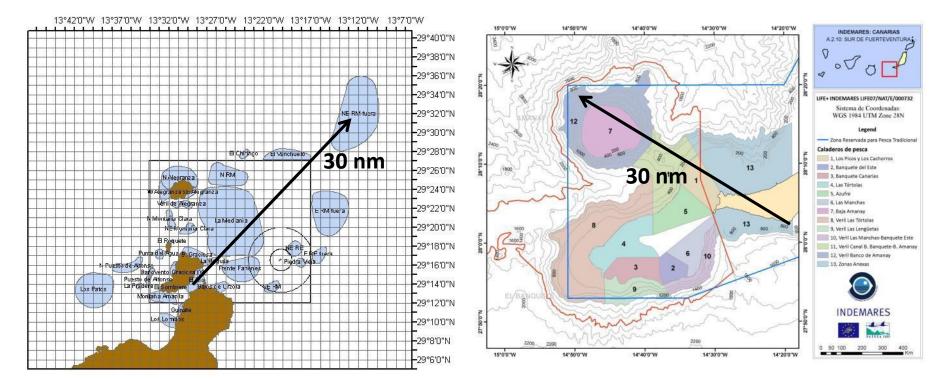
4WSFC Europe Malta, September 12-14, 2022 *Martín-Sosa & Dorta: Fishery Essentiality*

Fishing capacity underestimation 2/4

FISHING GROUND OCCUPATION

Greatly <u>underestimated</u> than it should due to:

- For the EC, officially, fleets without VMS is
- 1 mile from the coast
- The majority of the fishing trips are further, reaching the 30 miles



Fishing capacity underestimation 3/4

4WSFC Europe Malta, September 12-14, 2022 *Martín-Sosa & Dorta: Fishery Essentiality*

ARTISANAL FISHING UNITS

Fishing capacity per vessel is <u>underestimated</u> due to:



Fishing vessels associate in a single unit regularly
As a consequence of searching economic viability



Fishing capacity underestimation 4/4

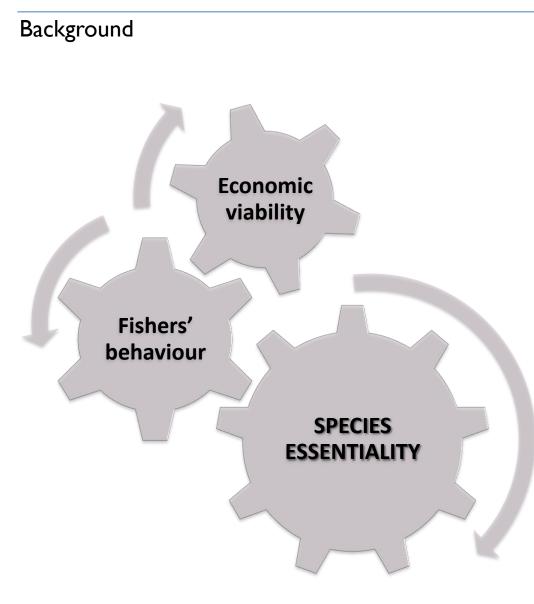
FISHING DAYS

The major degree of <u>underestimation</u> is due to:

- Fishing days officially considered as landing days
- Not to land every fishing day is highly frequent

4WSFC Europe Malta, September 12-14, 2022 *Martín-Sosa & Dorta: Fishery Essentiality*

Frequency: F



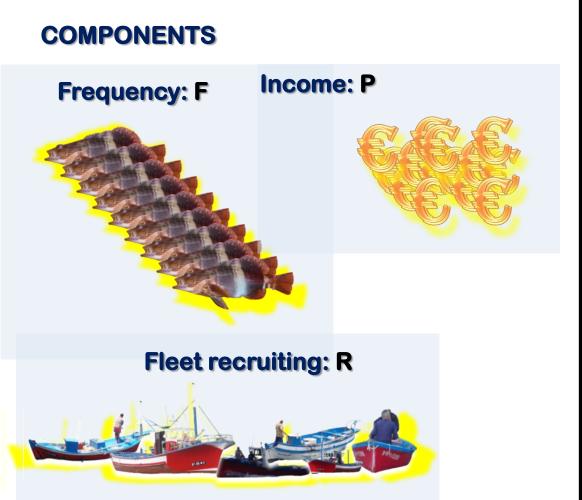
4WSFC Europe Malta, September 12-14, 2022 *Martín-Sosa & Dorta: Fishery Essentiality*



Explanation 1/2

4WSFC Europe Malta, September 12-14, 2022 *Martín-Sosa & Dorta: Fishery Essentiality*

Index measuring the **relative importance** of a certain **species** or a group of them within an **artisanal fishery**





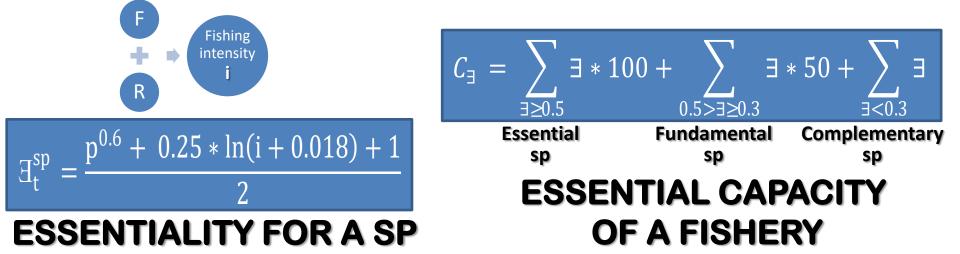
Explanation 2/2

4WSFC Europe Malta, September 12-14, 2022 *Martín-Sosa & Dorta: Fishery Essentiality*

TO KNOW MORE ABOUT FISHERY ESSENTIALITY

Dorta, C. & Martín-Sosa, P. (2022). Fishery essentiality: a short-term decision method based in economic viability as a tool to understand and manage data poor small scale fisheries. *Fisheries Research*, 246.





4WSFC Europe Malta, September 12-14, 2022 *Martín-Sosa & Dorta: Fishery Essentiality*

Usefulness

Measures **POLIVALENCE** and **VERSATILITY** Allow **MANAGERS** to **ASSESS** the implementation of **MEASURES**

Allowance of a fishing gear >F & >R Aids for vessel modifications and/or gear adquisition >R

Programs to add value to local sp >P

Aims

Maximization of economic viability Redistribution of fishing effort among several species Avoiding an exploitation pattern focused in 1-2 species



Importance in the framework of 4WSFC

4WSFC Europe Malta, September 12-14, 2022 *Martín-Sosa & Dorta: Fishery Essentiality*

Facilitates an scenary of aplication of **BLUE JUSTICE**:

- **SUBSIDIES** received correspond to actual fishing capacity
- Management measures boost low impact fishing through FISHING
 EFFORT REDISTRIBUTION
- SSF **GOVERNANCE** is carried out by a decision-making process resting with the local government





4th World Small-Scale Fisheries Congress IMAGINE THE (UN)IMAGINABLE Revitilizing SSF in Europe



Fishery essentiality: Imagining viable and sustainable small-scale fisheries in Europe

Pablo Martín-Sosa

Canary Islands Oceanographic Centre, Spanish Institute of Oceanography - CSIC, Spain pablo.martin-sosa@ieo.csic.es

Carmelo Dorta

The Canary Islands Government, Fishery Office, Spain cdorta@telefonica.net



GOVERNMENT OF MALTA MINISTRY FOR AGRICULTURE, FISHERIES, FOOD AND ANIMAL RIGHTS







INTERNATIONAL YEAR OF Artisanal Fisheries And Aquaculture

