

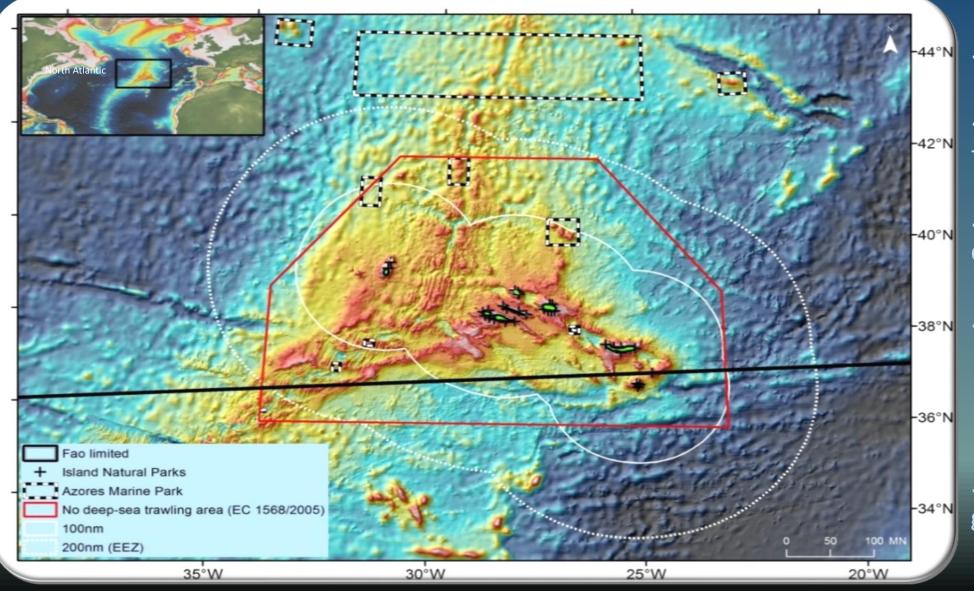
Resume

1 - Framework

2 - Concerns

3 – Working for solutions

Our Region



- -44°N . 9 islands 600 km line
 - . Oceanic currents: NAC + AC
 - . 1000 m average depths
 - . Special habitats:
 - Hydrothermal vents
 - DWC colonies
 - 450 seamount features
 - . Feeding and nursering grounds L predators

Our Fisheries

584 licensed professional vessels

Pole-and-line tuna fishery

(Seasonal fishery: April - October)

105 vessels: 6-31 meters length (Popa >20m: 25 vessels)

99% Weight → 46 vessels

Bottom longline and Handlines

LLS: LHP

105 vessels 475 vessels

6-30 meters length 4-15 meters length 99% Weight → 74 VL 99% Weight → 399 VL

Other small artisanal fisheries

(PS, GNS, FPO)

80 vessels: 4-12 meters length 99% Weight → ≈40 vessels

Drifting longline for Large Pelagic

(Azores and mainland fleet)

17+20 vessels: 9-30 meters length

99% Weight → 13 vessels

Recreational fisheries

(vessels, spearfishing, shore ang)

1400 vessels < 10 meters lenght + 3000 sp + 10.000 ang







≈ **8100** tons / 13,5 M€

VL < 20m: 2900 t / 4,9 M€ VL > 20m: 5200 t / 8,6 M€

≈ 2880 tons / 22 M€

LLS: 1350 t / 10 M€ LHP: 1530 t / 12 M€

≈ 1555 tons / 3,4 M€

PS: 1077 t / 1,66 M€ GNS: 392 t / 1,07 M€ FPO: 84 t / 0,67 M€

≈ **60** tons / 0,18 M€

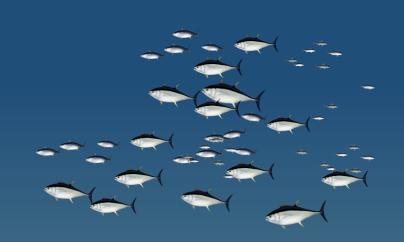
- LLD mainly land outside Azores

Vessels: ?150 tons

Spearfishing: ?250 tons

Why monitor?

Fish stocks are considered common goods



- Consumption by one person precludes consumption by others
- When no limits exist, stocks are likely to be depleted for future generations

Sustainability requires that activity is regulated, so that yields do not exceed certain limits that jeopardize the population and other ecosystem services (e.g. other uses).

To be able to regulate it is necessary to have information, i.e. COLLECT DATA.

How?

Fisheries Data Collection Programs

- to assess stock status, sector profitability and the effects of fishing on the ecosystem;
- to substantiate the EU CFP on the best scientific advice possible on

DCF - Azores

WHAT, HOW, WHEN, and WHERE to fish

· mandatory programs implemented in all member states



Some programs (e.g. POPA and COSTA) may have additional specific objectives:

- Dolphin safe certification for tuna fisheries
- Supplementary data on associated species (e.g. sightings)
- Oceanographic data
- Marine litter (drifting + onboard management of residuals)
- Bycatch of sensitive species (EU MSFD)





Which data?

Fisheries Data

Transversal data:

- mostly data under control regulation (Fleet characteristics, VMS, logbooks, landings, etc.)
- mostly mandatory
- confidential and non-confidential

Scientific data:

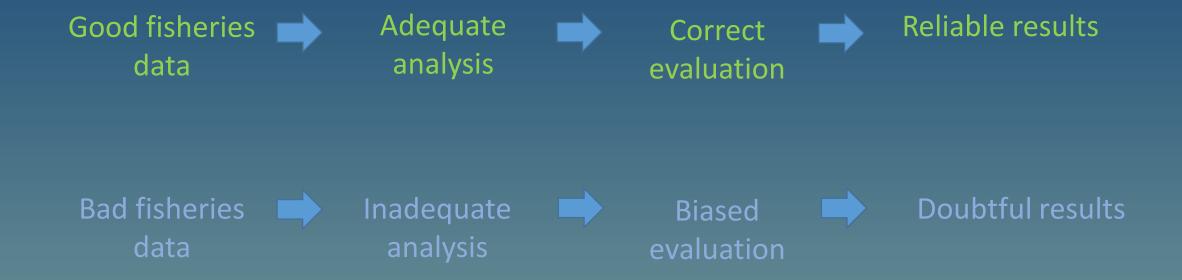
- data collection programs
- collected by scientific observers (on land and on-board)
- data on operation and catches (including biological data)
- confidential



The current paradigm



Scenarios



EU FISHERIES POLICY - Demands member states to comply and provides Financial Support

Actual situation

On Board

Pole-and-line tuna fishery

Drifting longline for Large Pelagic

Bottom longline and Handlines

Other small artisanal fisheries

On Land

Sampling on landing places

COOPERATION LEVEL



100% cooperation in the Azores on vessels > 20 meters length

≈ 60% cooperation of mainland vessels (100% regional fleet)

≈ 20% cooperation of <12 and <12<15 meters segments

≈ 20% cooperation

≈ 40% cooperation

Actual situation

In those who want to cooperate, the following issues persist:

- . Vessel availability (When? Where?)
- . Vessels' conditions for embarking observer (one more is ok?)
- . Vessels' maximum capacity (one more is possible?)
- . Non-embarkment as retaliation (it was possible, not anymore)
- . Biased sampling (possible but can measure only those)
- . Observer effect (possible but are all fishing trips representative?)

New avenues?

Electronic monitoring and self sampling





In particular, adequate alternative for small scale artisanal fisheries or small recreational vessels **BUT**

- . in the "antagonistic" paradigm and in a non-mandatory scenario, how can we implement?
- . if cameras can be installed (e.g. data protection law issues, etc.), how can we provide effective analysis?
- . How to effectively articulate with the work of fishing observers and who pays for all this?
- . How to plan effective and reliable self-sampling schemes ?

Workshop – Starting point

Fisheries data collection working group

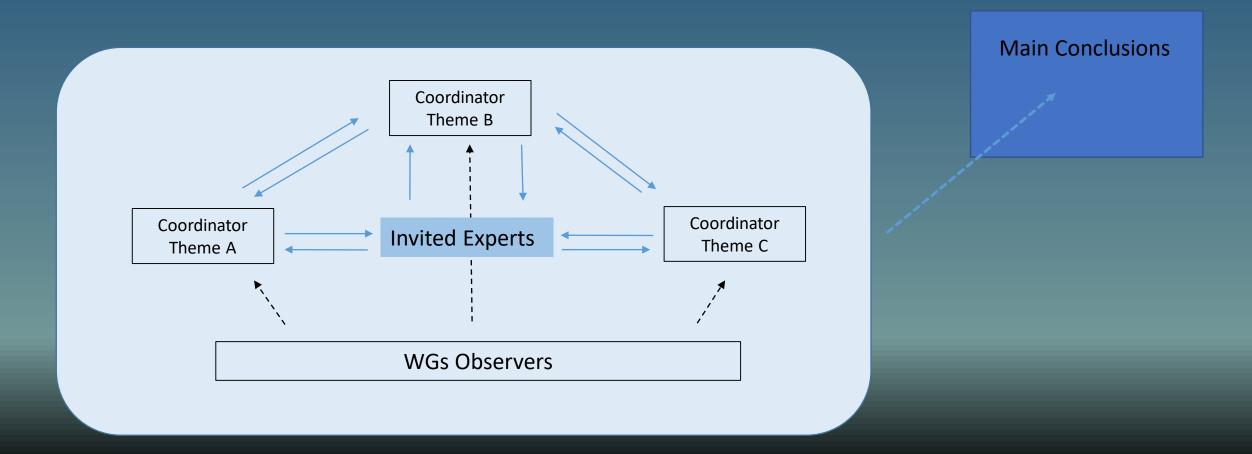


A) Sampling planningB) Observer effectC) EM and Self sampling

Workshop – Starting point

Suggestion sheet: we welcome each participant to make suggestions for each WS theme

Fisheries data collection working group



Let's work!

Thank you to fishery data collection teams and fishermen who already work on the same side!