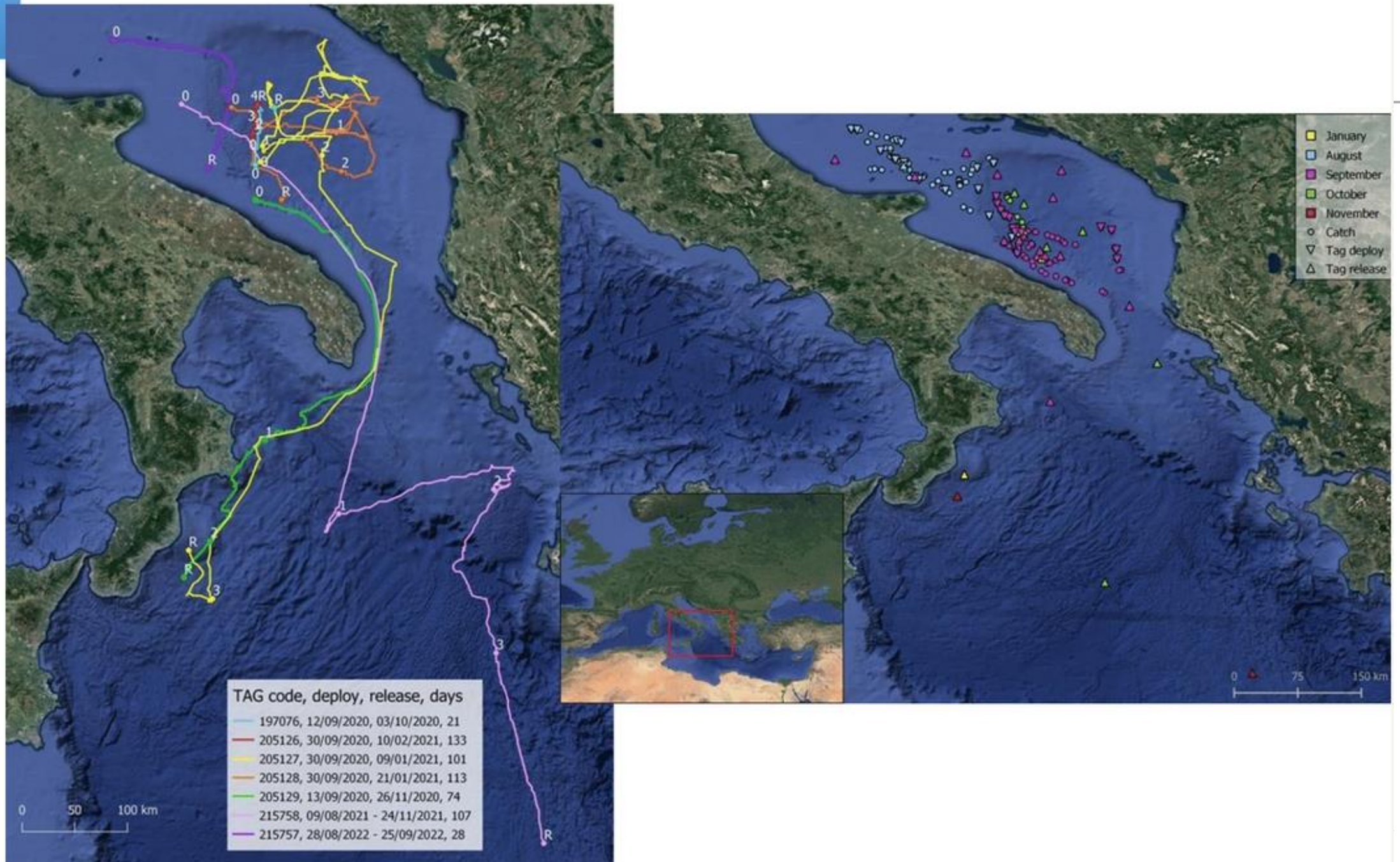
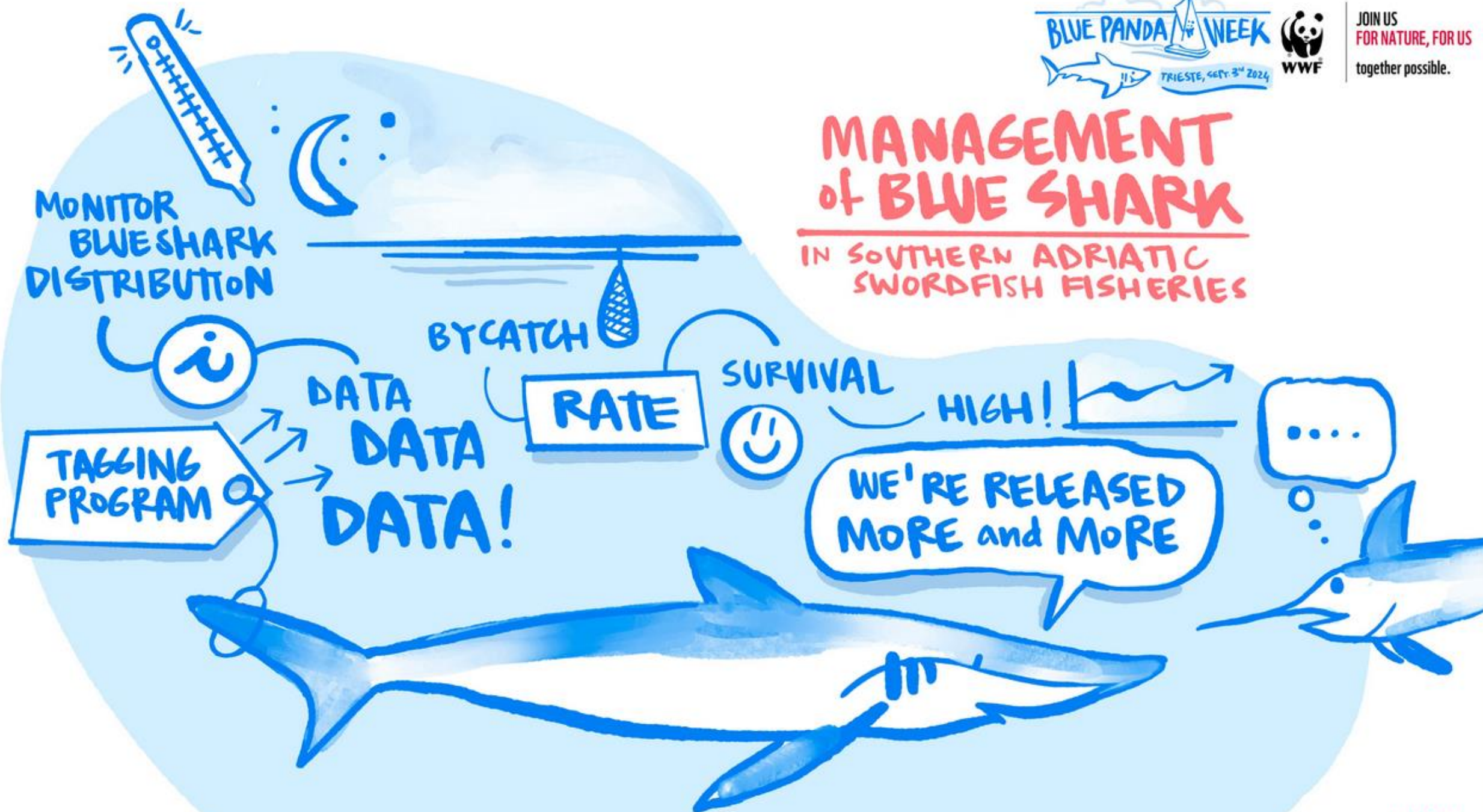


Migration pattern



MANAGEMENT of BLUE SHARK

IN SOUTHERN ADRIATIC
SWORDFISH FISHERIES



Species-Longline Interaction on the Pelagie Islands

Project results

Milazzo M., Turco G., Quattrocchi F., Niedermüller S., Grancagnolo D., Aglieri G., Mininni C., Bressan G., Leone A., Calò A., Cattano C.



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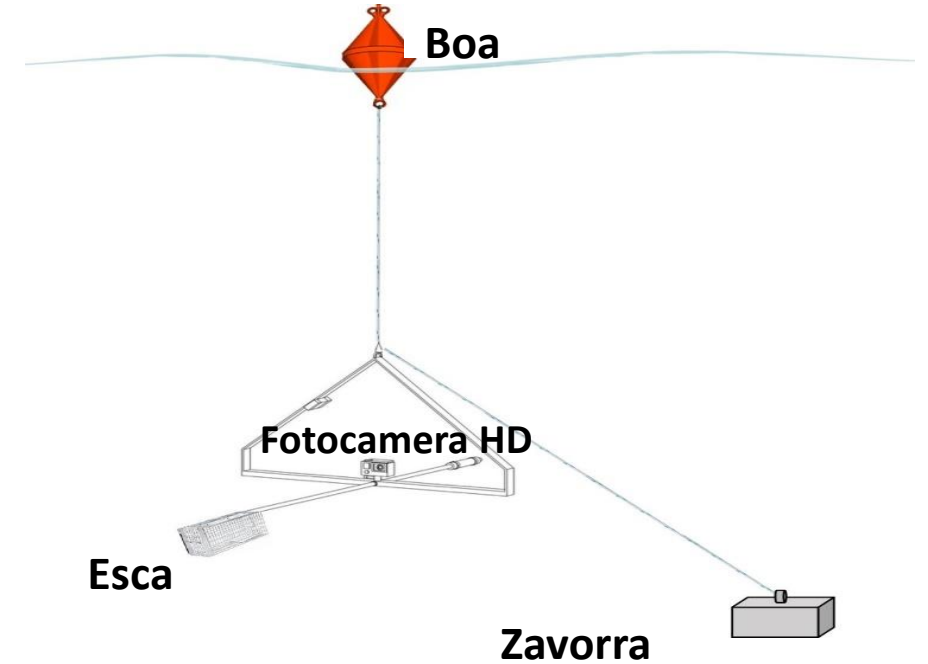
marco.milazzo@unipa.it



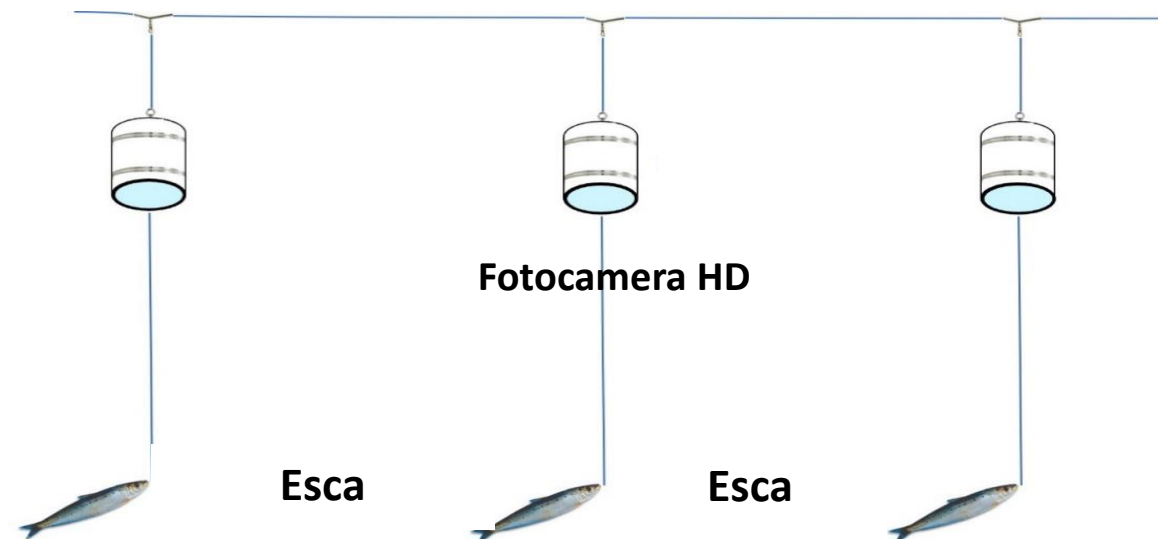
Documentation of the actual interactions of pelagic species with in the waters of the Peligie Islands

- Sightings
- Catch of target/commercial species
- Incidental catches
- Depredation of bait and catch
- Behaviour Mode of attack on bait

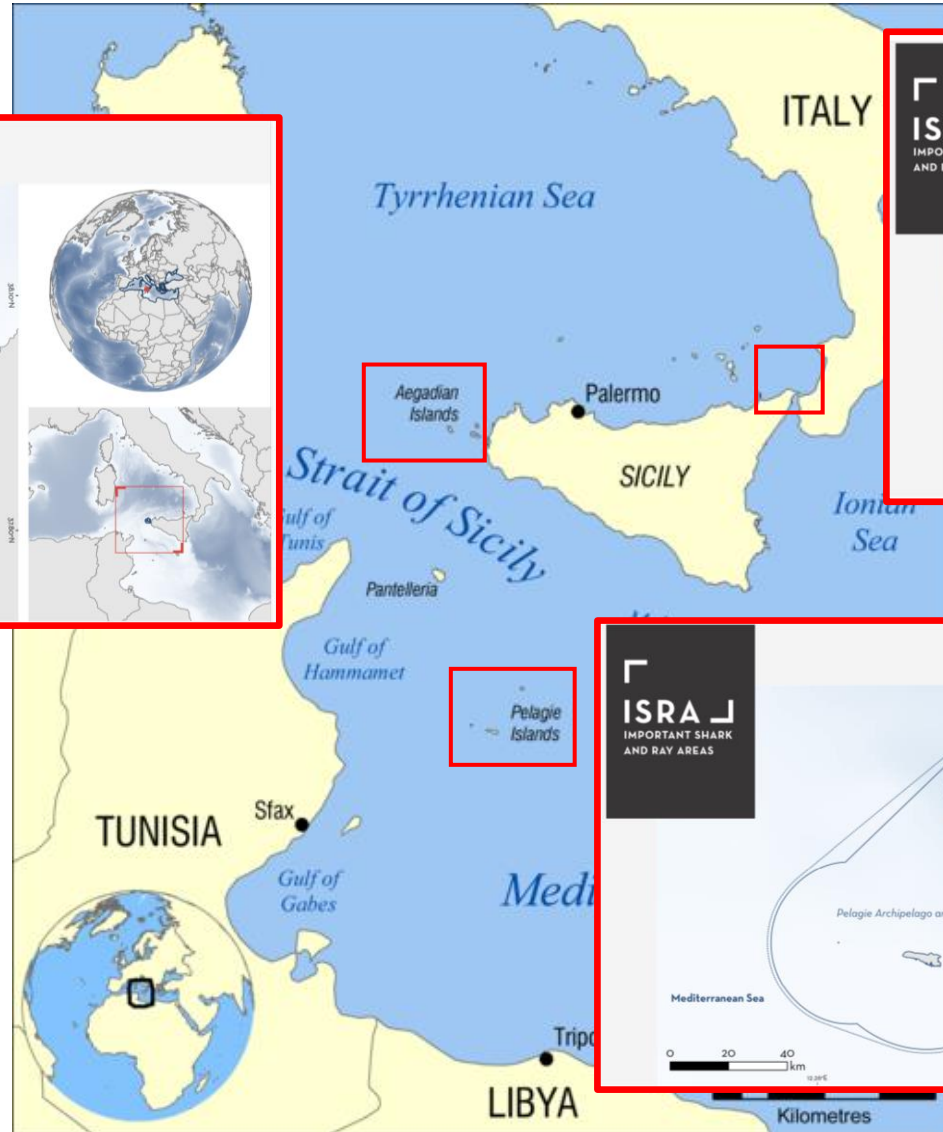
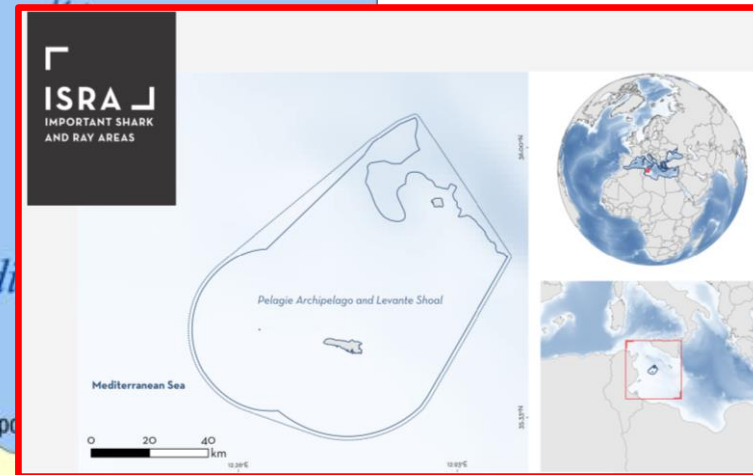
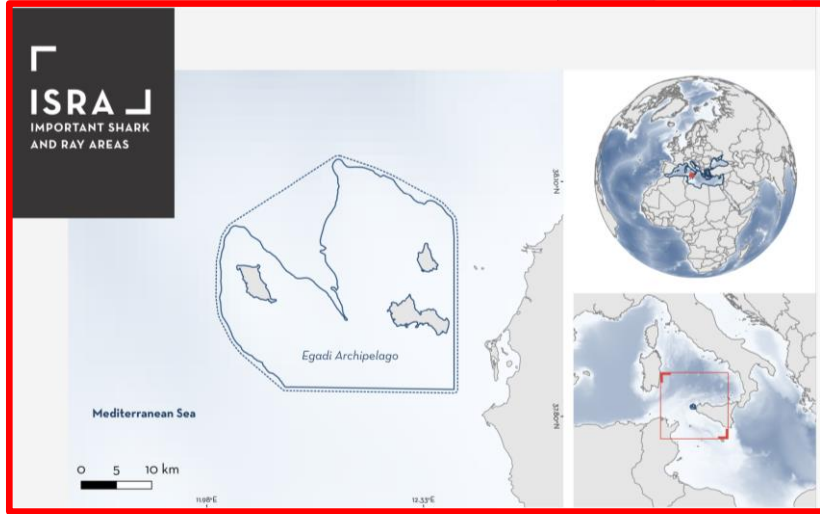
Baited Remote Underwater Video (BRUV) pelagico



Palangaro con camera montate su braccioli



Three ISRAs

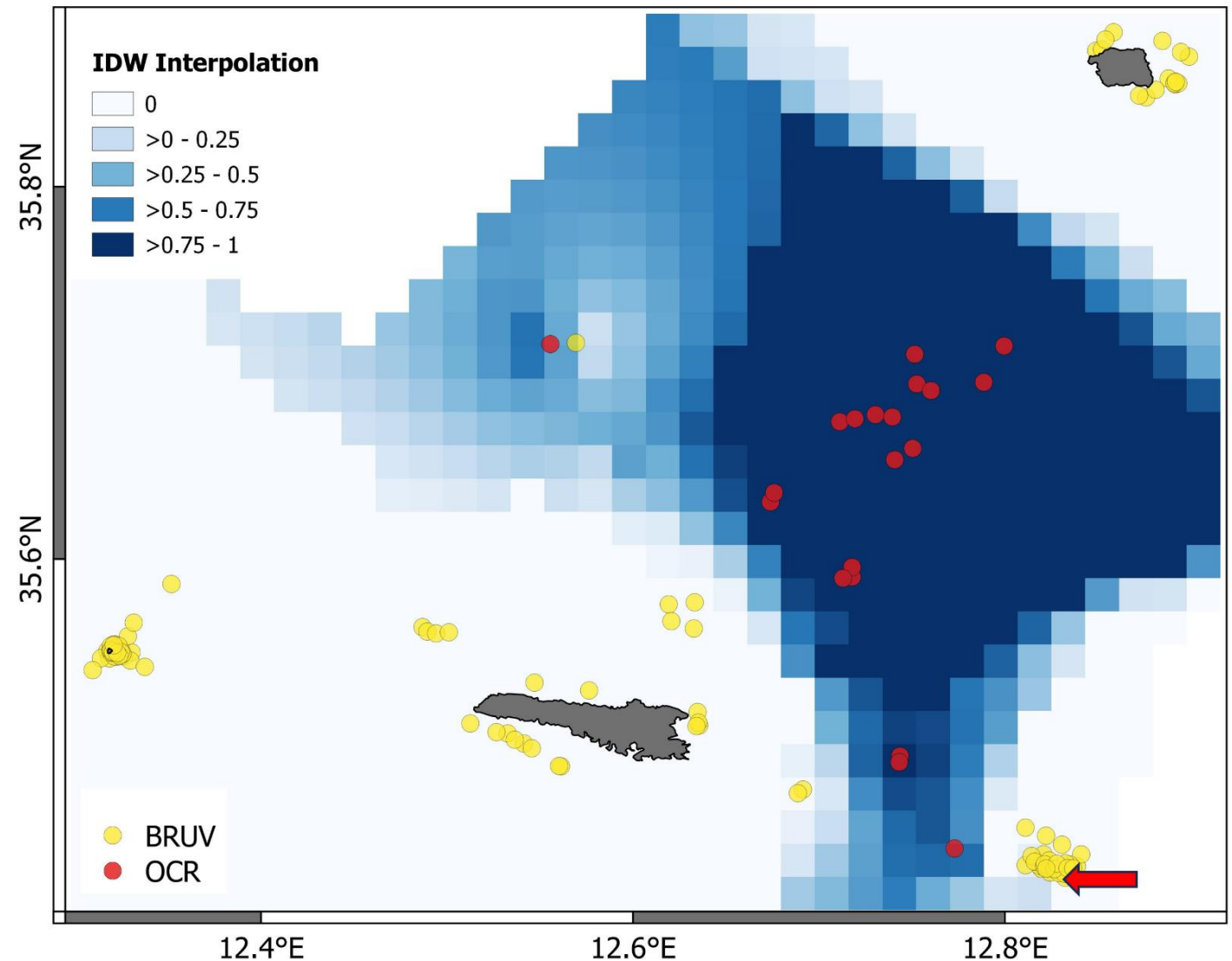
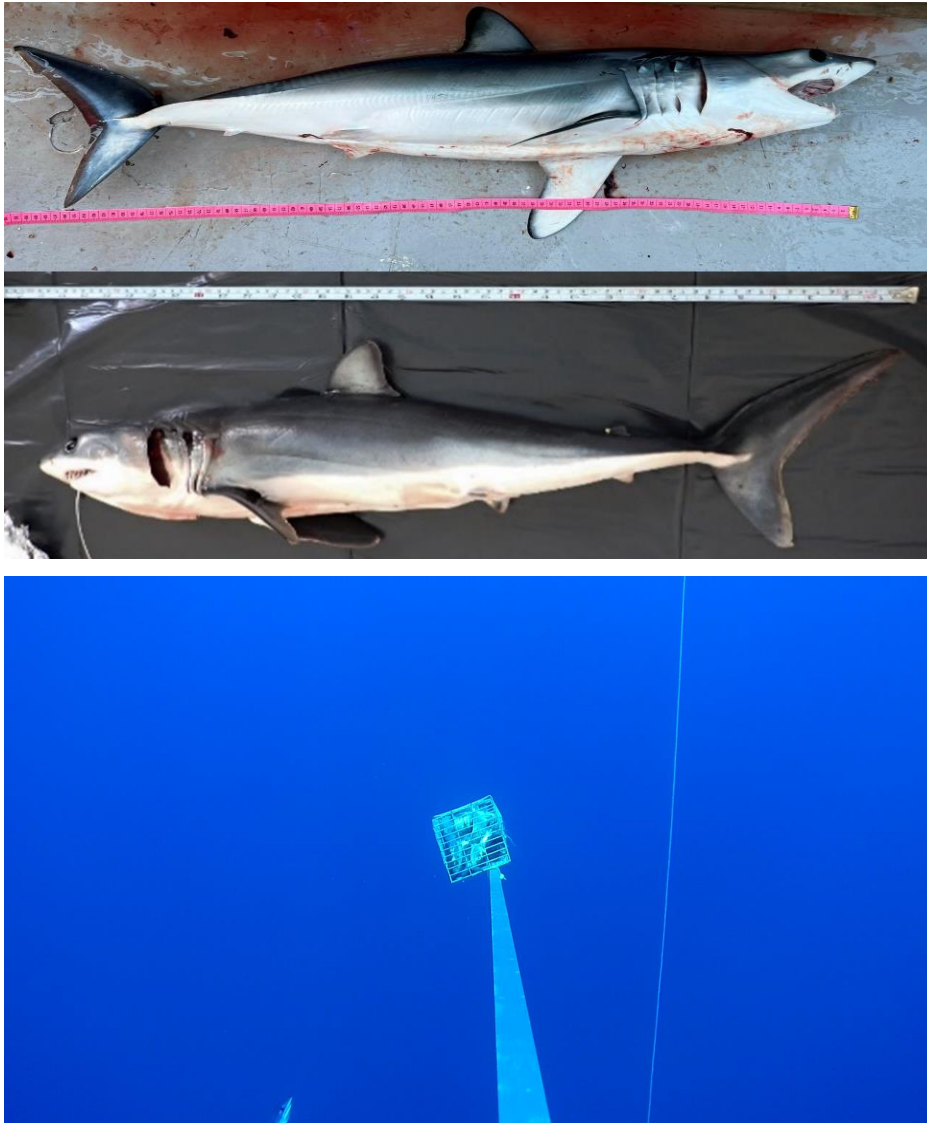


Submerged volcanoes, canyons and banks and high productivity

Shark diversity hotspot

One of the most exploited areas by fisheries in the Mediterranean Sea

Shortfin mako shark

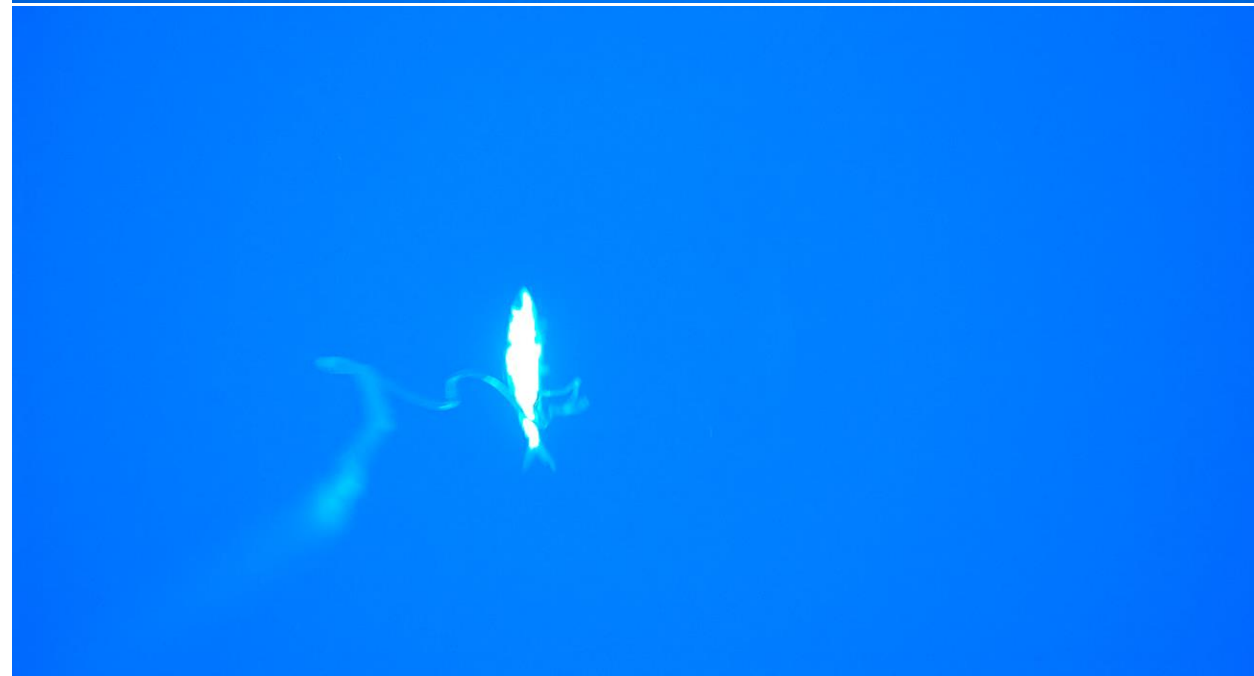
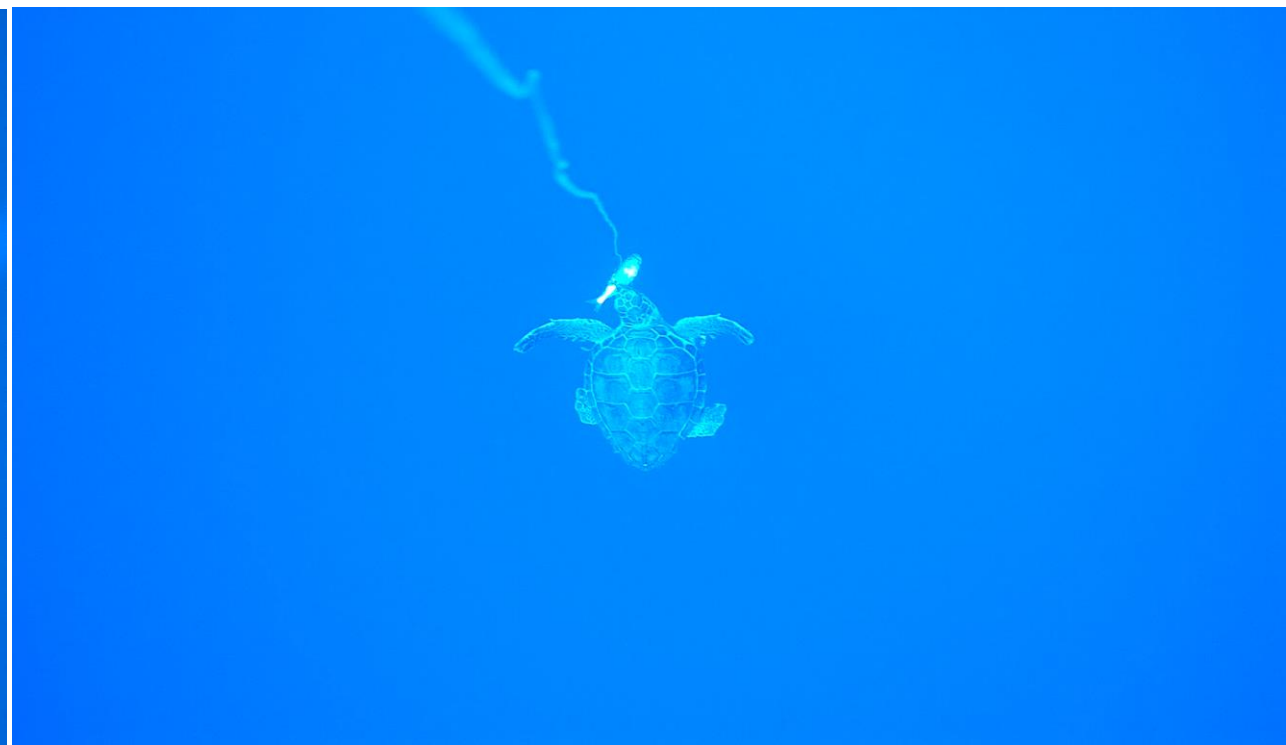


Reports from fishermen, pelagic BRUVs and line cameras

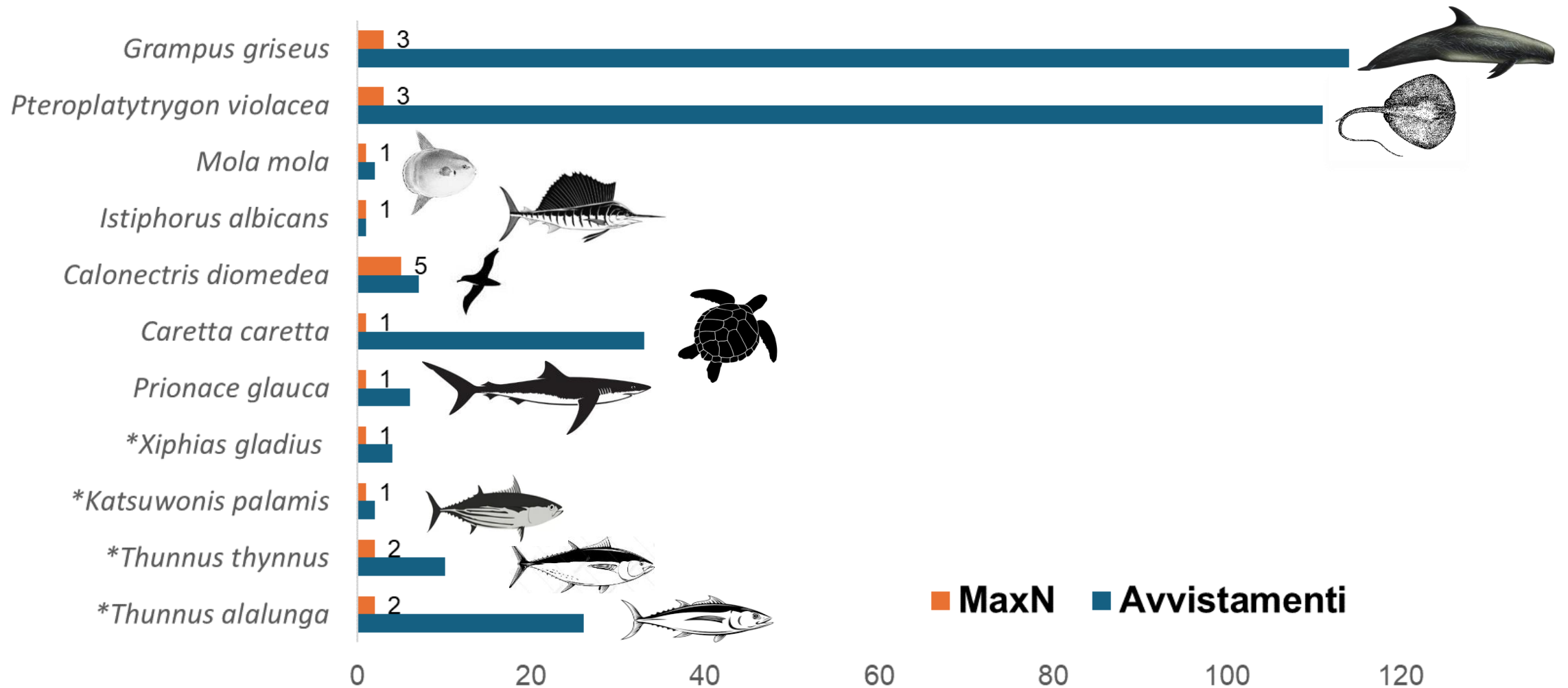
Cattano et al. 2023



Avvistamenti



Numero di Avvistamenti e MaxN



Sightings and MaxN 2023/2024

32 deployments of 4 hour and average 140 hooks (100-180 hooks)

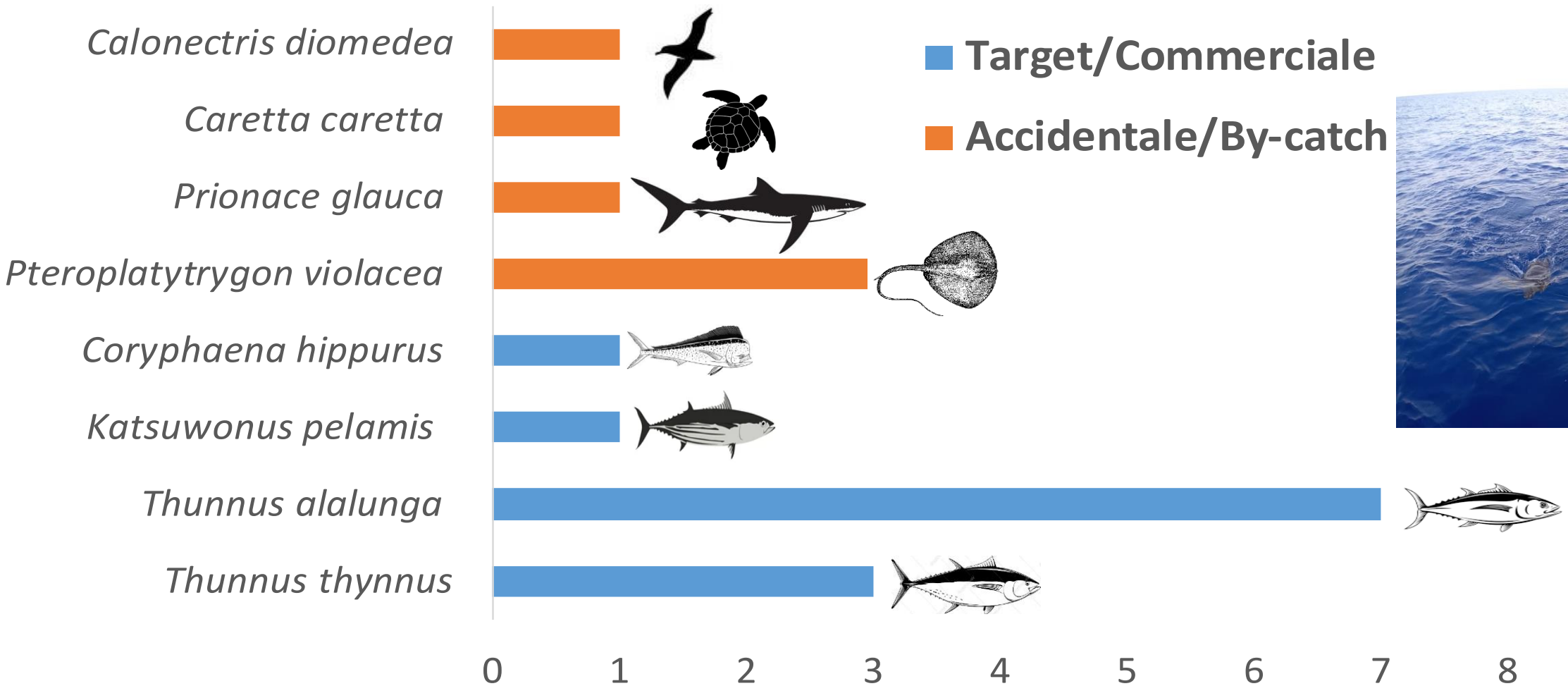
Target catch



Catture accidentali



Catture



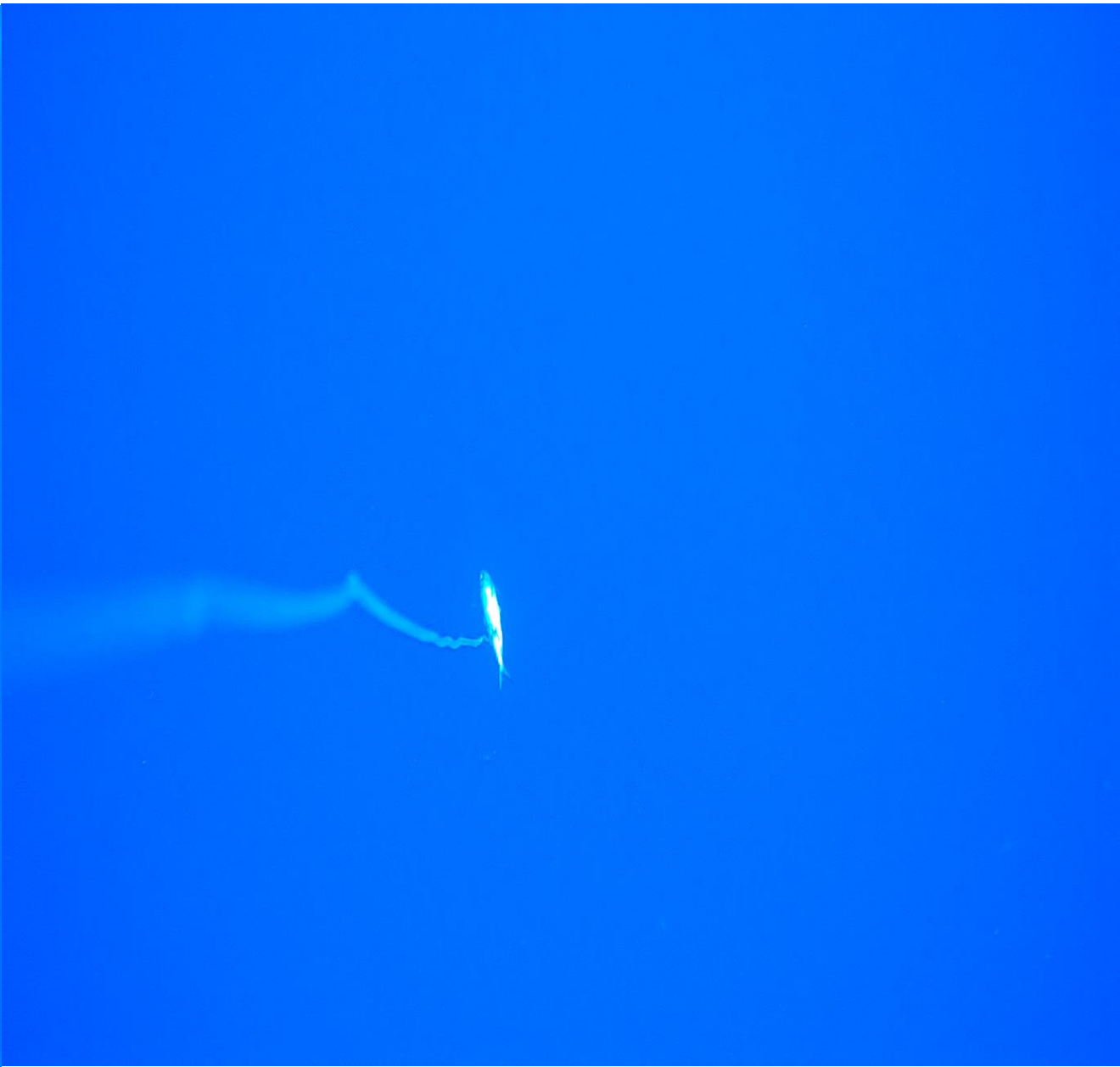
Catch & bycatch 2023/2024

32 deployments of 4 hour and average 140 hooks (100-180 hooks)

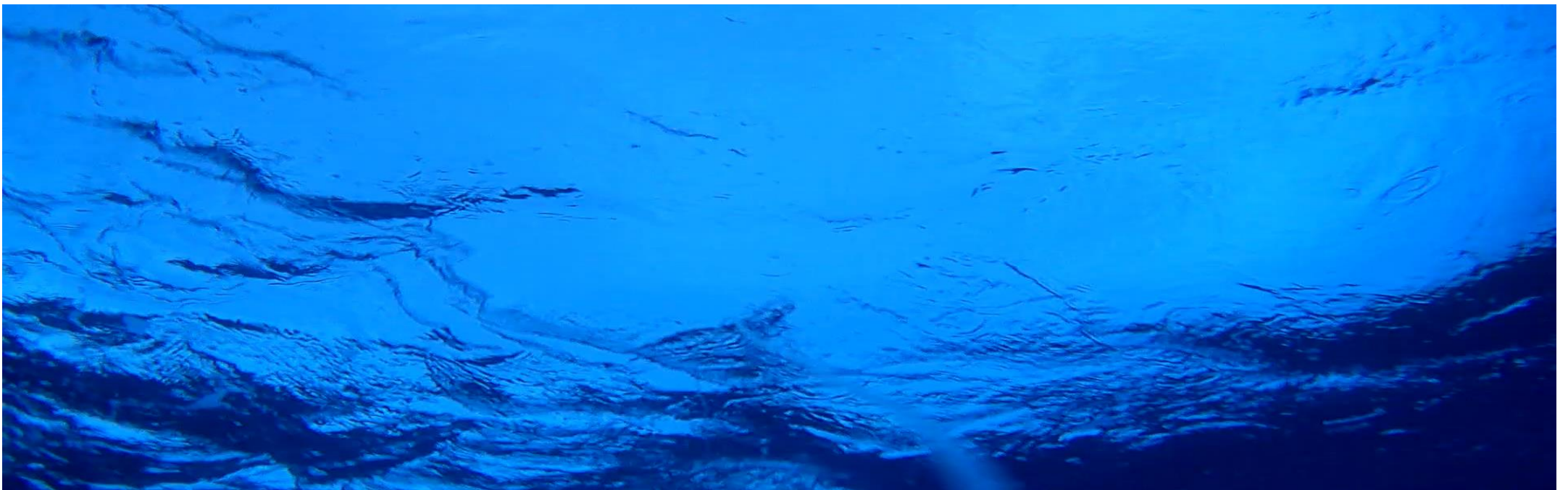
Rimozione completa dell'esca



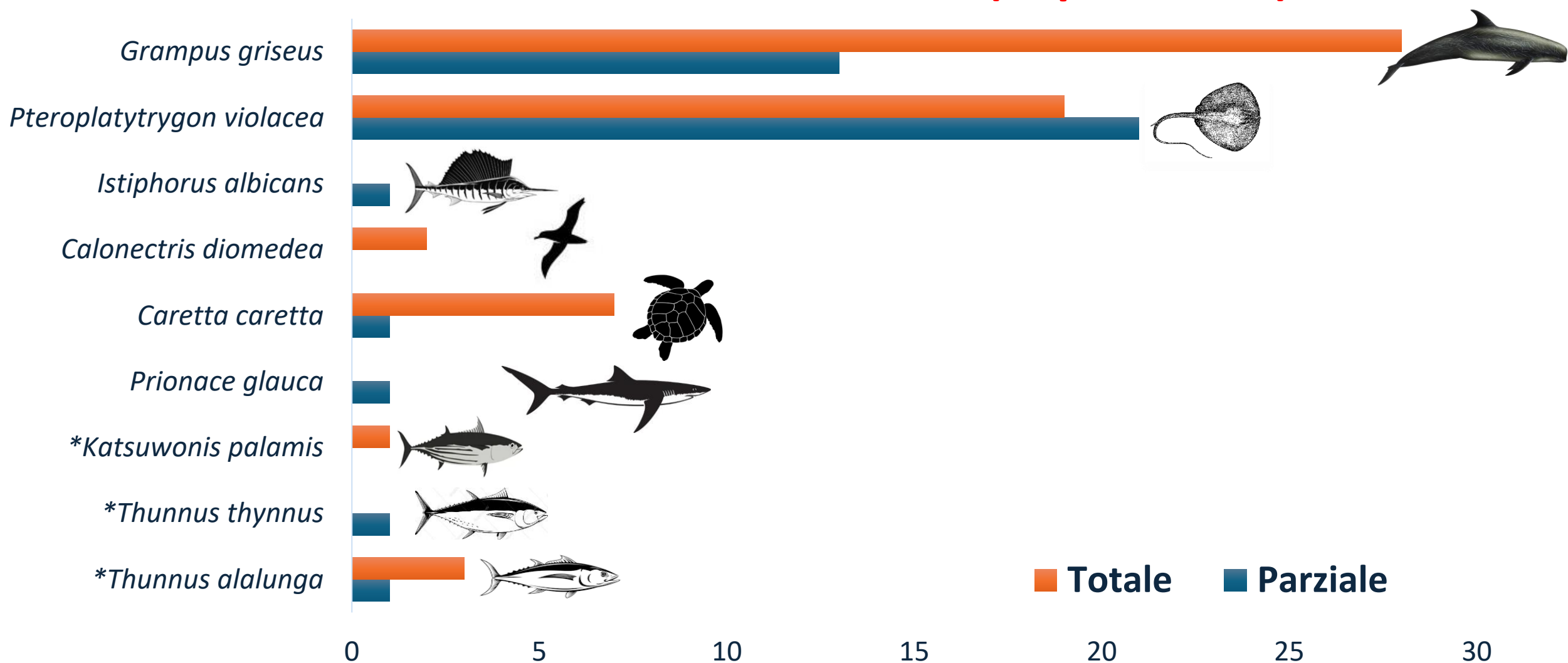
Rimozione parziale dell'esca



Depredation of bait

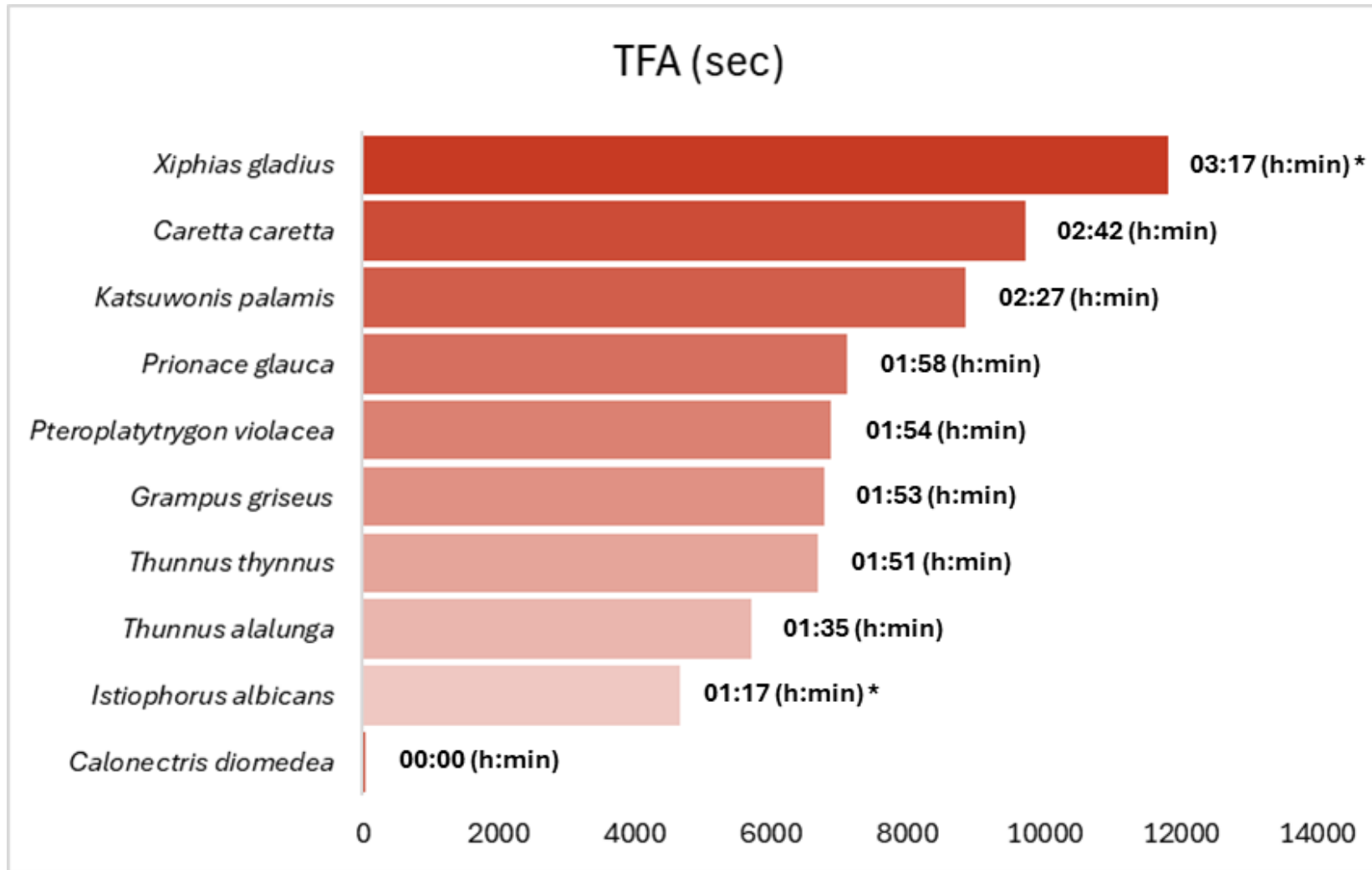


Rimozione dell'esca (depredation)



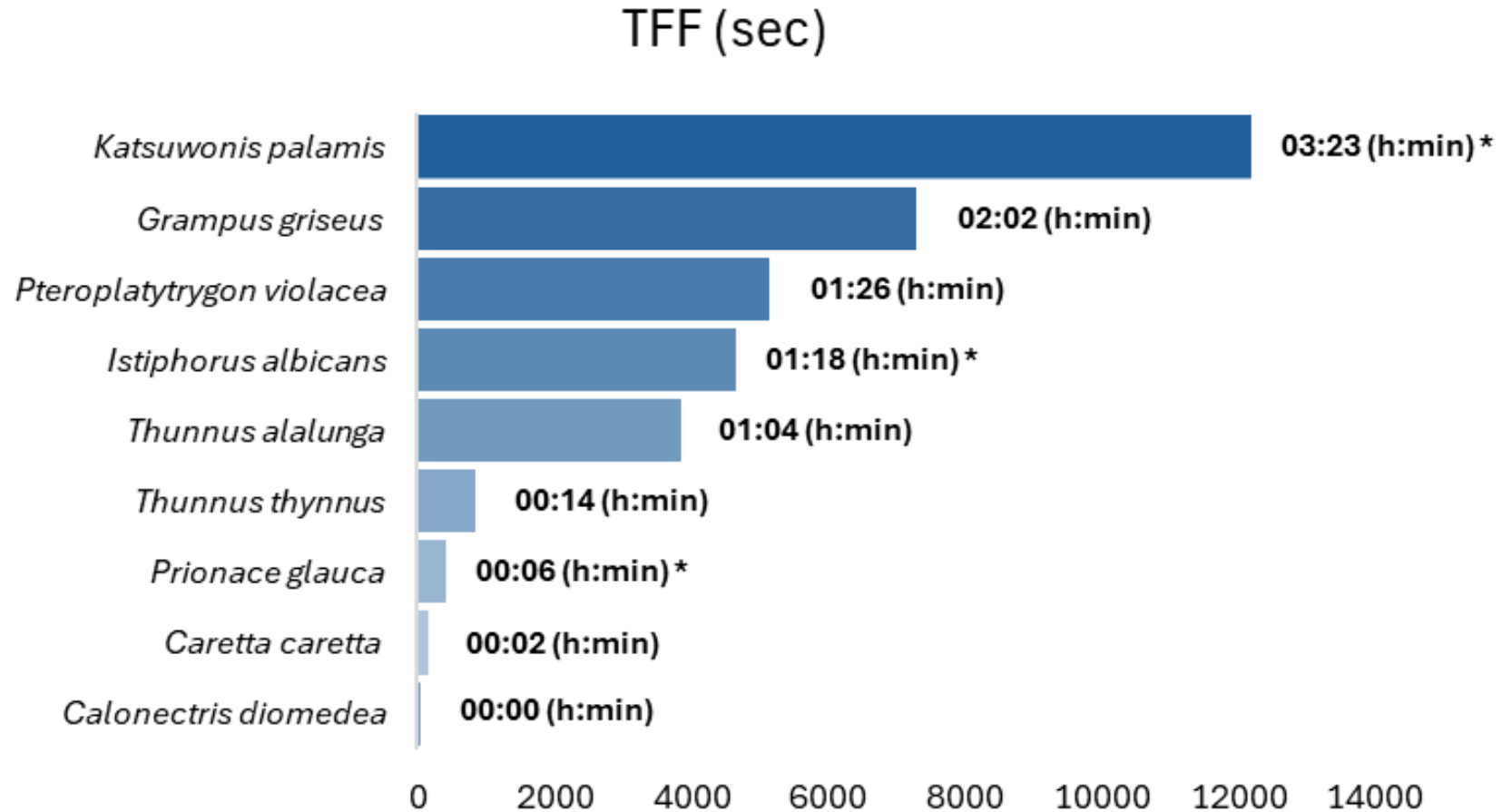
99 eventi di rimozione totale o parziale dell'esca (8,7%; 1140 ami/camere)

Analisi del comportamento



Tempo medio di primo arrivo (TFA) sulle esche delle principali specie pelagiche nelle indagini del 2023 e 2024. Gli asterischi rappresentano un singolo evento.

Analisi del comportamento



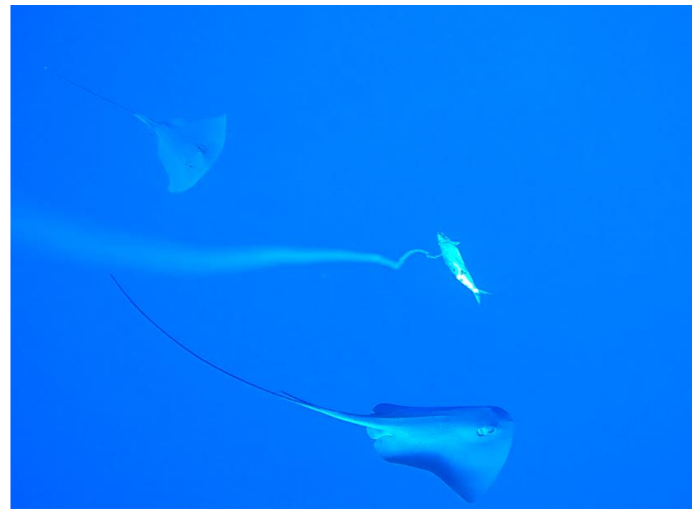
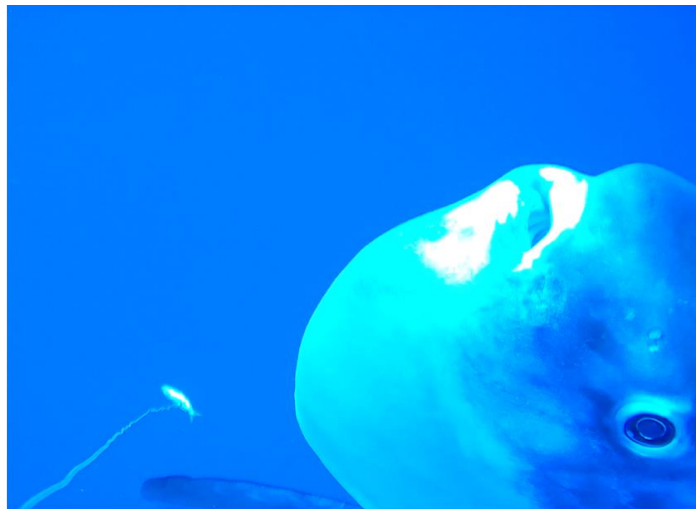
Tempo di primo attacco all'esca (TFF) delle principali specie pelagiche che hanno interagito con le esche nelle indagini del 2023 e 2024. Gli asterischi rappresentano un singolo evento

- Interactions between fisheries and vulnerable species are not random and occur in specific areas of aggregation of these species known today
- Need to identify areas of high density with temporal recurrence of vulnerable species It is necessary to establish collaborative platforms with fishers to co-design management/conservation and spatially explicit measures.
- Starting pilot studies on new fishing technologies in these areas could reduce these harmful interactions for both fishers and animals.



Grazie per l'attenzione!

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