

# *Tuna tagging surveys on fishing vessels, effects and consequences of the Handling process*

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## **The Atlantic Ocean tropical Tuna Tagging Programme (AOTTP) Final Symposium**

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# Table of Contents

## -Materials and Methods

## -Results

- Caudal Peduncle
- Eyes
- Fins
- Mouth
- Face
- Dorsal Area

## -Discussion

- Ship
- Fishermen
- Tagger



# Materials and Methods

- In these tagging survey, carried out on commercial bait boat fishing vessels “El Macizo” (2016), “El Grande Primero” (2016, 2018), and “Nuevo Batabano Primero” (2018), in Canary Island water (Spain), a total of **7,936 tuna specimens** were tagging.
- All the photographic and audiovisual material obtained (**702 photos and 214 videos**) in the tropical tuna tagging survey, in the years 2016 and 2018, is analyzed. The photographs and videos that show damage and anatomical alterations in the different parts of the fish have been selected. **The reasons and factors involved in the observed anatomical damage are analyzed and explained.**



# Results (main damages)

## Caudal Peduncle



## Eyes



## Fins





# Results (main damages)

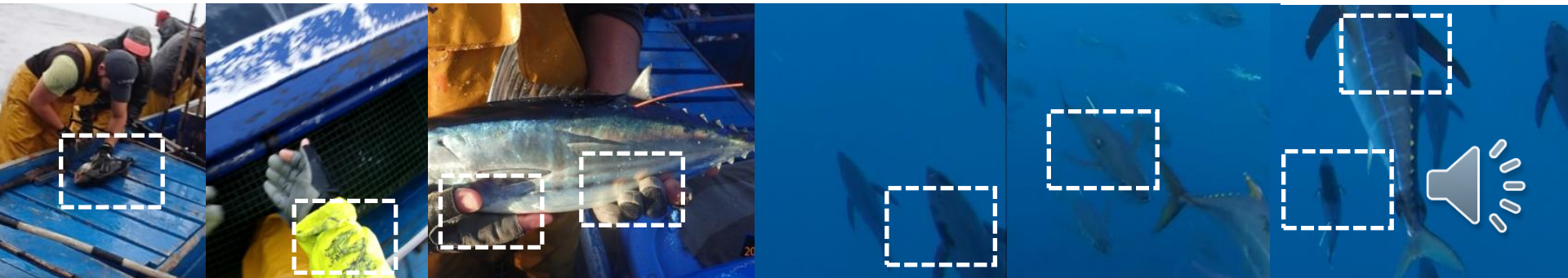
Mouth



Face



Dorsal area





# Discussion

## Ship

- Care
- Mat lined surface
- Large spaces



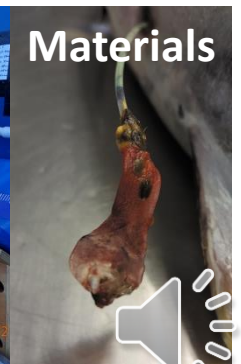
## Fishermen

- Care
- Soft clothing
- Healthy rhythm



## Tagger

- Care
- Soft clothing
- Gel to cradle
- Different rules
- Technological support



**Thank you for your attention**

