



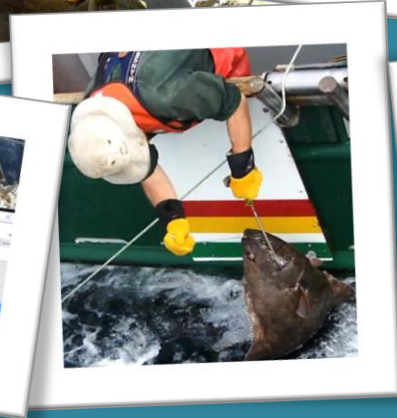
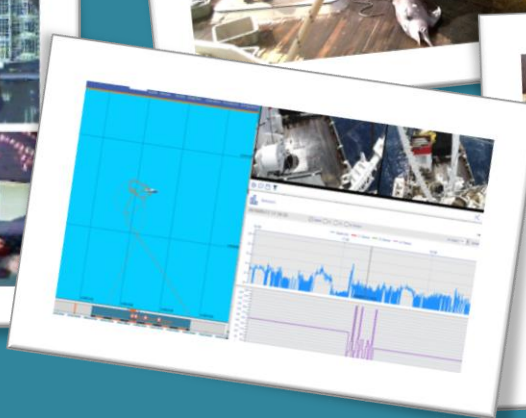
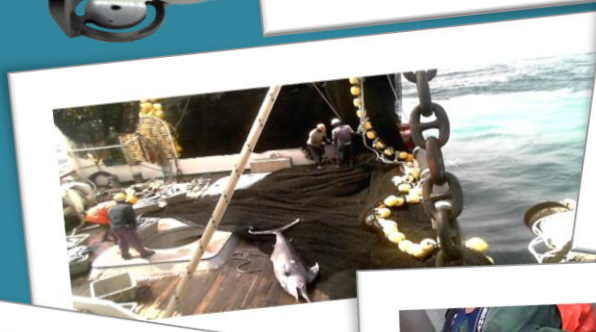
marine
instruments






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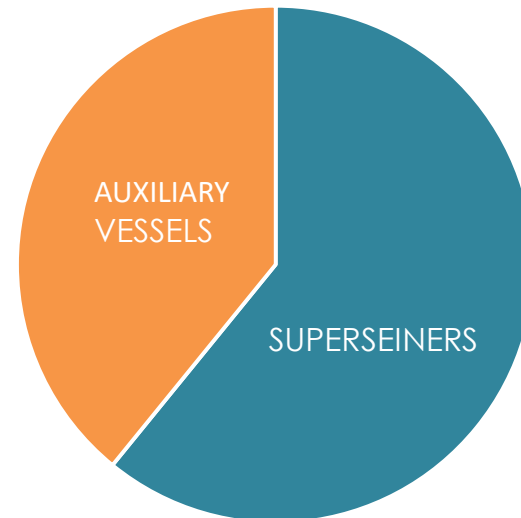


Electronic Eye
Sustainable Fishing



ELECTRONIC EYE: TROPICAL PURSE SEINERS MONITORING

-  REGION: Atlantic and Indian Ocean.
-  VESSELS: Spanish tropical purse seiners.
-  ELECTRONIC EYE installed in **23** Spanish vessels
 - o 14 superseiners
 - o 9 auxiliary vessels





marine
instruments &

ARCHIPELAGO
MARINE RESEARCH



Electronic Eye Sustainable Fishing



Electronic Eye Plus Sustainable Fishing

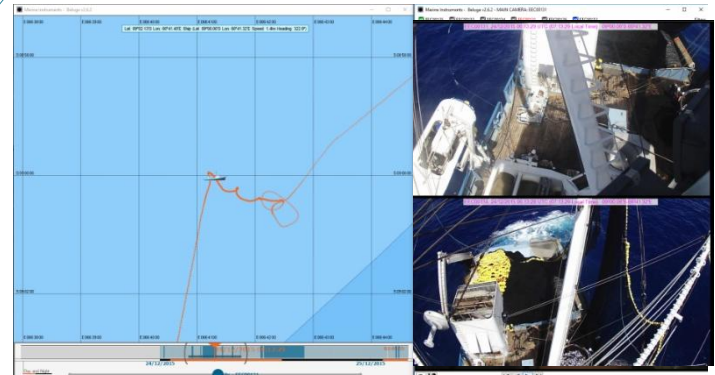
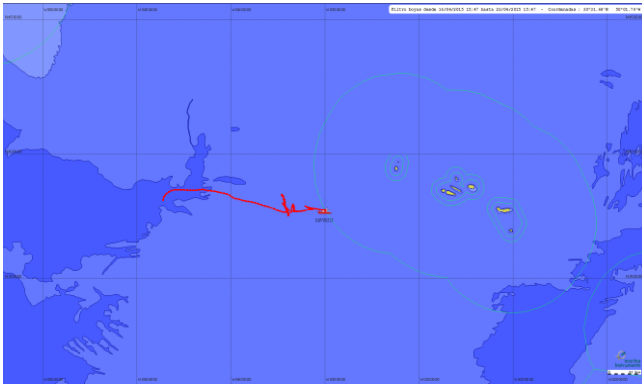




EM SOFTWARE

Satellite tracking: MSB Software

Fishing activity reviewing: BELUGA



Real time VMS



ON BOARD

OFF BOARD

ELECTRONIC EYE: TROPICAL PURSE SEINERS MONITORING



The IOTC Scientific Committee agreed in 2014 that standards for EM systems for purse seine and other gear types would need to be developed.



In 2014 and 2015, the ICCAT SCRS (through its Sub-Committee on Statistics) recommended that the SCRS should adopt minimum standards for Electronic Monitoring Systems, especially for purse seiners.

ELECTRONIC EYE: TROPICAL PURSE SEINERS MONITORING

MAIN RESULTS:



ICCAT [adopts](#) EMS minimum standards proposal.



IOTC EMS minimum standards acceptance is in phase of study.



100 % coverage feasible with dry observers.



Full DDBB integration in Beluga software for IOTC and ICAAT.



ELECTRONIC EYE: TROPICAL PURSE SEINERS MONITORING



RESULTS: Minimum standards proposed

MINIMUM STANDARDS FOR THE IMPLEMENTATION OF ELECTRONIC MONITORING SYSTEMS FOR THE TROPICAL TUNA PURSE SEINE FLEET

IOTC-2016-WPDCS12-23

JON RUIZ, IÑIGO KRUG, ANA JUSTEL-RUBIO, VÍCTOR RESTREPO, GREG HAMMANN,
OSCAR GONZALEZ, GONZALO LEGORBURU, PEDRO JOSÉ PASCUAL ALAYON, PASCAL
BACH, PAUL BANNERMAN, TOMÁS GALÁN

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ELECTRONIC EYE: TROPICAL PURSE SEINERS MONITORING



FUTURE:



Popularise EM solutions for PS.



Find a common base to define requirements among fisheries.

(What makes an EM system valid for each fishery?)



BEST CONFERENCE TO
ADDRESS ISSUES ON
ELECTRONIC MONITORING

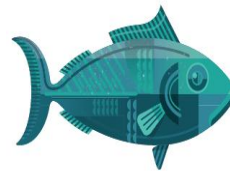
PERFECT VENUE TO WORK
ON CRITICAL ISSUES OF FISHERIES
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