

**20TH IOTC WORKING PARTY ON
DATA COLLECTION AND STATISTICS (WPDCS20)**

26 – 30 November 2024

Paper Title:

EM in Action: Case Study and Results from Seychelles

Overview:

With IOTC’s Resolution 23/08, electronic monitoring (EM) data can be used to support Regional Observer Scheme (ROS) data collection requirements. To support ROS data collection alignment, delegated fishing authorities from Seychelles will share their experiences and lessons learned to date in their EM implementation. The presentation will aim to address the following points:

- Overview of EM implementation to date.
 - When did EM implementation start?
 - What fleets are involved?
 - Highlights and challenges?
- How are the cameras positioned?
- What is the process of data collection being implemented in region?
- Who is reviewing EM data? And what happens during review of footage?
- How this process aligns with IOTC ROS Data Collection fields?
- What is the final product/how is this information being utilized?

Presenters:

- Ms. Juliette Dorizo, Seychelles Fisheries Authority

Topic to Cover	Overview
Overview of EM Implementation to Date	<ul style="list-style-type: none"> • Seychelles has long been a regional leader in promoting transparency & sustainability in the fishing industry. • Seychelles Fisheries Authority (SFA) is leading EM implementation. • Focus on purse seine and longline EM implementation with attention on compliance.
When did EM implementation start?	<ul style="list-style-type: none"> • Launched its first EM pilot in 2016.
What fleets are involved?	<ul style="list-style-type: none"> • Industrial purse seine vessels • Industrial longline vessels • Semi-industrial longline vessels
Highlights and challenges?	<p><u>Highlights:</u></p> <ul style="list-style-type: none"> • Strong EM buy-in from certain industry: Post-pilot, strong support from purse seine industry. 100% domestic PS fleets have EM. Semi-industrial sector keen to have EM on their fleets. • EM inclusion in pending fisheries bill: Once new fisheries legislation is approved, EM would be required for all fleets in Seychelles. • Dedicated in-country Data Review Center with SFA EM Analysts <p><u>Challenges:</u></p> <ul style="list-style-type: none"> • Some resistance from the industry
How are the cameras positioned?	<ul style="list-style-type: none"> • <u>Purse Seine Vessels:</u> SFA to add sample vessel monitoring plan. • <u>Industrial Longline Vessels:</u> SFA is in the process of working with industrial longline vessels to determine the location to position the cameras.

What is the process of data collection being implemented in region?	<ul style="list-style-type: none"> • SFA EM analysts go to port and remove hard drive from vessels and check the EM systems + place calibration mats down for recalibrating the cameras • SFA EM analysts download the hard drive data into local server • SFA EM analysts review 100% of the purse seine EM data.
Who is reviewing EM data?	<ul style="list-style-type: none"> • Five SFA EM analysts
And what happens during review of footage?	<ul style="list-style-type: none"> • EM analysts takes about 1 week to review 1 full trip (30 sets) at 100% • Save EM trip report and associated video clips into local server and SharePoint, including maps, EDI extract, excel sheet with full data and Word EM trip report. • Tracking vessel compliance over time with yellow, green, red. Year over year can see how many vessels have high risk issues (red)
How this process aligns with IOTC ROS Data Collection fields?	<ul style="list-style-type: none"> • Have not shared EM data yet with IOTC • SFA can share a template EM trip report
What is the final product/how is this information being utilized?	<ul style="list-style-type: none"> • Data is being used for compliance and enforcement