FCF DATA IMPROVEMENT PLAN: ELECTRONIC MONITORING PROJECT

PROJECT DESCRIPTION

Data Improvement Plan is a project to improve the quantity and quality of independently verified data which is critical for science-based decision making and ultimately the conservation of sustainable health tuna stocks through onboard human observer and electronic monitoring systems.

WHY IT MATTERS TO FCF?

Currently, tuna RFMO requires 5% independent observation coverage but MSC 3.0 standard requires 30%. FCF has identified gaps in approved independent data which needs to be addressed to meet FCF's goal for a MSC certified supply chain. Also, FCF is acting in response to Walmart's requirement of 100% monitoring (either electronic monitoring or human observer) by 2027.

EFFORTS MADE

Cost Reduction

Due to TFA subsidy policy, all Taiwanese vessels are required to equip with CCTV onboard, leading to improved monitoring management for vessels. FCF is exploring with other service provider and observer units on collecting CCTV footage for review to reduce hardware and maintenance cost.

Innovative Solutions

FCF participates in research programs and trials with governmental organizations, tech companies, NGOs, and academies to drive changes.

- Low-orbit satellite and AI review on edge devices
- Multi-orbit satellite and AI review of footage
- · Wireless, Remote EM and AI review

2022

Project Launched

 Advocated to stakeholders through FIP meetings and workshop

2023

Embarking on EM journey with vessels

- Bulk procurement with Satlink, 6 vessel installed.
- Kick off the trial and joint collaboration:
- Attended overseas workshop, held international symposium, multiple in person meetings with suppliers.

2024

Expand EM initiatives

- Direct procurement with Satlink, to achieve a 10% coverage in supply chain, at least 26 to be installed.
- Engaging in proactive dialogue with stakeholders to explore EM alternatives and implementation.



Obtaining reliable data to meet MSC standard & fulfill market requirement

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Support for alternative solutions

Growth together with MSC Projects

Working with Satlink on enhancing scientific data for MSC projects.



Trial program

Exploring involvement in more potential innovative alternative solutions.

Collaborative Integration

Exploring to utilize CCTV onboard as camera for catch data



Collab. With Tech company

Partnering with tech companies to apply AI technology in fisheries.

Academic R&D

Developing AI technology on reviewing catch data