

ER and EM

From trials to implementation in the WCPO

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HARNESSING TECHNOLOGY FOR FISHERIES MANAGEMENT
A side event presented by ISSF at the IOTC 20 – 23 May 2016 – La Reunion



E-Reporting (ER)

- Catch logsheets (elogs)
- Observer reports
- Transhipment reports
- Port sampling records



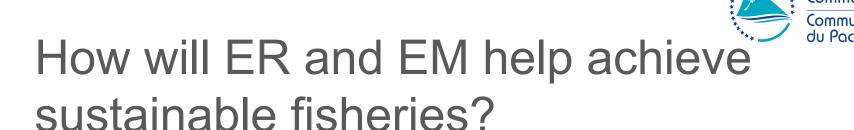
E-Monitoring (EM)

 High definition video cameras + GPS

Pacific Community Communauté du Pacifique

- Gear sensors
- Hard drives
- Office observers



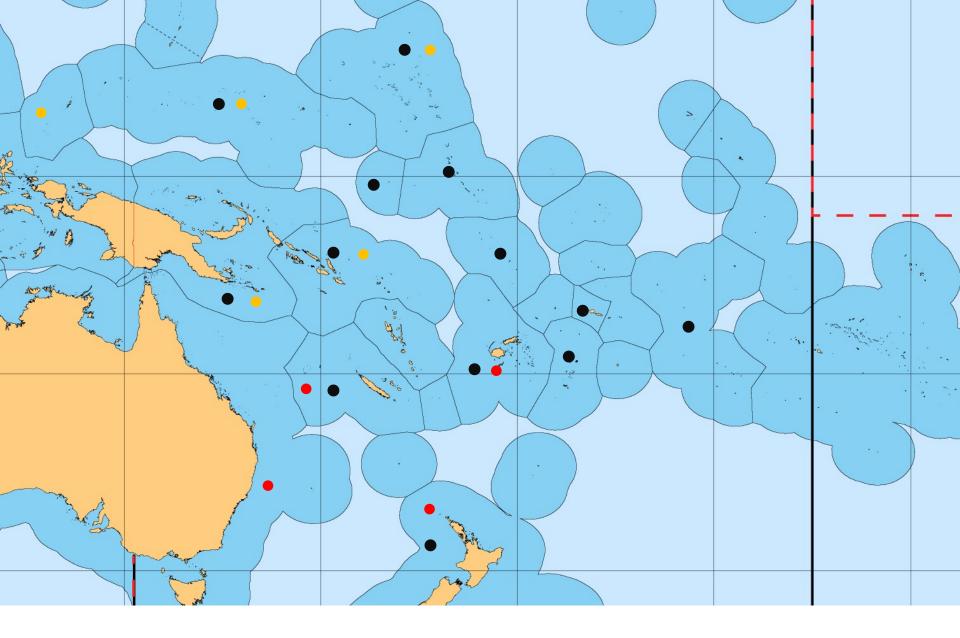


Benefits of ER:

- Faster data flow Stock assessment & MCS
- Built in data checking and calculations tools

Benefits of EM:

- Increased observer coverage
- Detailed review of fishing activities
- Logsheets verification



• ER • EM • EM Plans



E-Reporting (Logsheet) – Purse Seine

FIMS for purse seine (PNG/PNA initiative)

- Fisheries Information Management System –
 provides industry with a platform to manage and
 eLodge data in near real time
- Catch reporting and other functions available for any country
- Over 260 purse seiners currently registered
- Android tablet based application

E-Reporting (Logsheet)– Southern Longline



eTUNALOG for longline (SPC initiative)

- Suitable for LL vessels in the South Pacific Albacore Fisheries
- Current situation and plans:
 - New Caledonia: 3 vessels currently, rest of fleet by end 2016?
 - Fiji: 4 vessels currently, rest of fleet by end 2016?
 - Cook Islands: 5 vessels currently, further rollout in 2016
 - Kiribati: 1 vessel
 - Tonga: 3 vessels
 - Samoa: 3 vessels
 - Vanuatu and French Polynesia in 2016



E-Reporting (for Observers)

- FIMS on PS vessels 2014-2016 150+ observers trained
- Built in data checking and calculation tools
- FIMS can use the data for CDS and VDS NFD Validation





Video E-Monitoring for LL vessels Communauté du Pacifique

- 2014: Two vessel trial in Solomon Is
- 2014: Two vessel trial in Fiji
- 2015: Single vessel trial in New Caledonia
- 2015: Fifteen vessel trials in Fiji, extended to 50 vessels by 2020
- 2016-2017: Palau, FSM, RMI, Solomon Is, PNG.







E-Monitoring Focus



Raw EM footage and position data

- Operational frameworks
- Office observers
- Greater automation

Curated data for Science and MCS

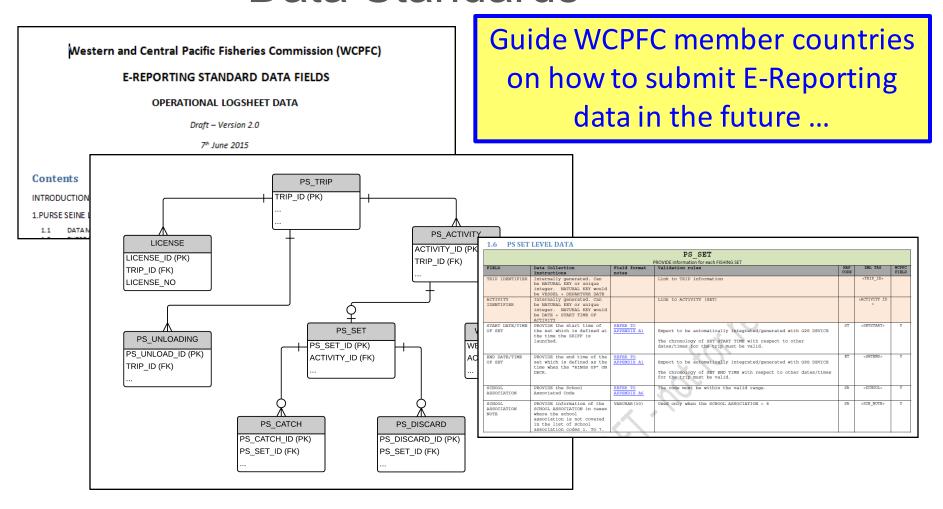


E-Reporting Officers (EROs)

- Present in MH, FM, CK and SB
- Role: Facilitate collaboration between fisheries authority, fishing industry, SPC and service providers
- Finite funding—cost recovery mechanisms needed

WCPFC ER and EM Data Standards





https://www.wcpfc.int/node/21569

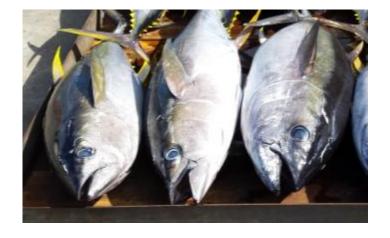


- FACILITATE the flow of electronically-generated data into regional and national databases
- 2. Establish STANDARDS in collaboration with WCPFC, FFA, PNA and member countries
- 3. Establish formal FRAMEWORKS (e.g. MOUs) to conduct trials leading to implementation
- 4. CAPACITY BUILDING in member countries for managing ER and EM programmes



Take home messages

- ER and EM improve data flow and data quality
- Capacity building for new skills no jobs at risk
- Legal, operational and financial frameworks are essential



Thank you



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