



**TWELFTH REGULAR SESSION**  
**Bali, Indonesia**  
**3-8 December 2015**

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**SPC presentation - ISSF side event WCPFC 12**

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**WCPFC12-2015-OP18a**  
**4<sup>th</sup> December**  
**0900**



# Regional update on ER and EM technologies in the WCPO





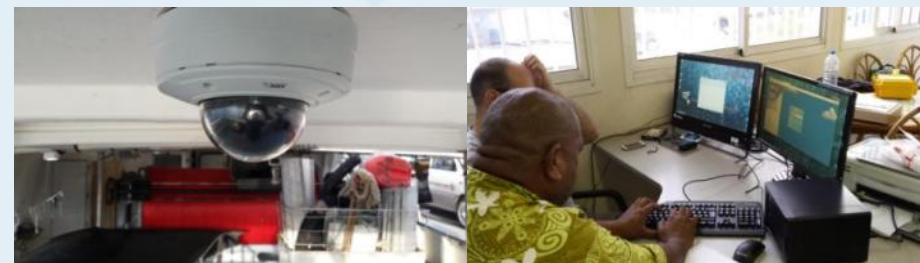
## E-Reporting (ER)

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



## E-Monitoring (EM)

- High definition video cameras
- GPS antennae
- Hydraulic or kinetic sensors
- Hard drives
- Office observers





# How will ER and EM help achieve sustainable fisheries?

- **Benefits of ER :**
  - Faster data flow: allows for more current stock assessments
  - Built in data checking and calculation tools
- **Benefits of EM:**
  - Increased observer coverage
  - Detailed review of fishing activities
  - Logsheet verification
  - Training material for new observers



# E-Reporting - Logsheet

## iFIMS for purse seine (PNG/PNA initiative)

- Industry 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

The screenshot displays the iFIMS mobile application interface for logging a fishing trip. The form includes the following fields and values:

- Date:** 09/07/2013
- Location:** Latitude: -28.6705, Longitude: 153.4251
- Port:** Madang
- Type of Vessel:** Purse Seine
- Vessel Name:** TEST VESSEL
- IRCS:** IMCS124
- Registration:** REG234
- FFA ID:** 35124
- Date Start Trip:** 09-04-2013
- Date End Trip:** 07-06-2013
- Unloading:** Landings
- Obs Trip ID:** OBS1212
- Comments:** Demo

At the bottom of the form, there are two buttons: "Save Vessel Changes" and "Send ALL unsave data and Close this Vessel". Below these buttons is a green button labeled "Enter Sampling". The bottom of the screen shows an Android navigation bar with the time 18:37.







# E-Reporting – Observers

- FIMS on PS vessels 2014-2015 – 50+ observers trained
- Built in data checking and calculation tools
- FIMS Observer app is MSC/CDS Ready and FIMS can use the data for MSC, CDS and VDS NFD Validation
- Plans for LL observer e-reporting





# Other ER projects in the region

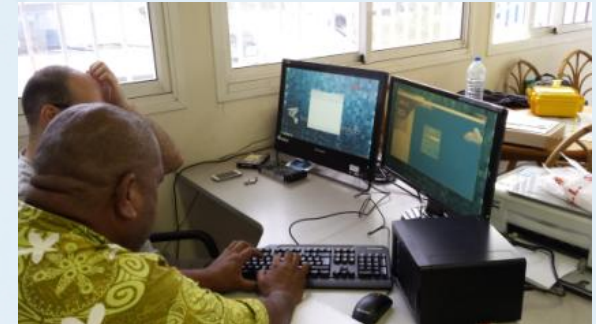
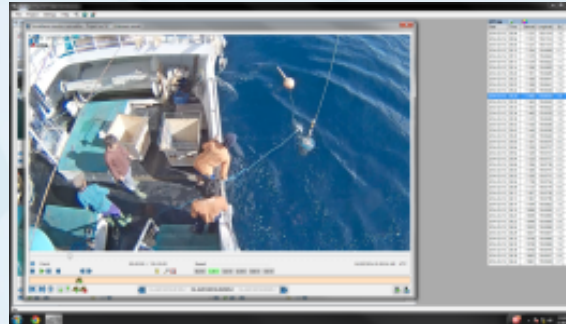
- ER for LL vessels and observers in Hawaii
- iFIMS - for LL vessels operating in PNA countries
- ER for PS vessels in Philippines
- ER for LL vessels in Vanuatu
- PNA FAD tracking initiative (starting Jan 2016)





# Video E-Monitoring for LL vessels

- 2014: Two vessel trial in Solomon Is
- 2014: Two vessel trial in Fiji
- 2015: Single vessel trial in NC
- 2015: Five vessel trials in FJ
- EM trials for PS and carrier vessels later down the track





# Other EM projects in the region

- EM programme implemented for Australia's ETBF
- FAO ABNJ EM project in Fiji – 50 LL vessels 2015-2020
- Potential for using EM towards more efficient spill sampling on PS vessels



# **SPC's role in ER and EM in the WCPO (currently supported by ISSF)**

1. FACILITATE the flow of electronically-generated data
2. Establish STANDARDS in collaboration with WCPFC, FFA, PNA and member countries
3. Establish formal basis (e.g. MOUs) to conduct trials leading to implementation in member countries
4. CAPACITY BUILDING in member countries for managing ER and EM programmes – National ER Officers in several member countries



# Take home messages

- ER and EM are budding technologies
- Improves data flow efficiency and data quality
- Industry and fisheries authority support essential
- SPC's mandate is to bring support to member countries and facilitate data flow into DBs
- No jobs at risk – capacity building of new skills



# Thank you for your attention

For further information and discussion please contact:

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