



TWELFTH REGULAR SESSION
Bali, Indonesia
3-8 December 2015

WCPFC 12 ISSF side event NC EM project

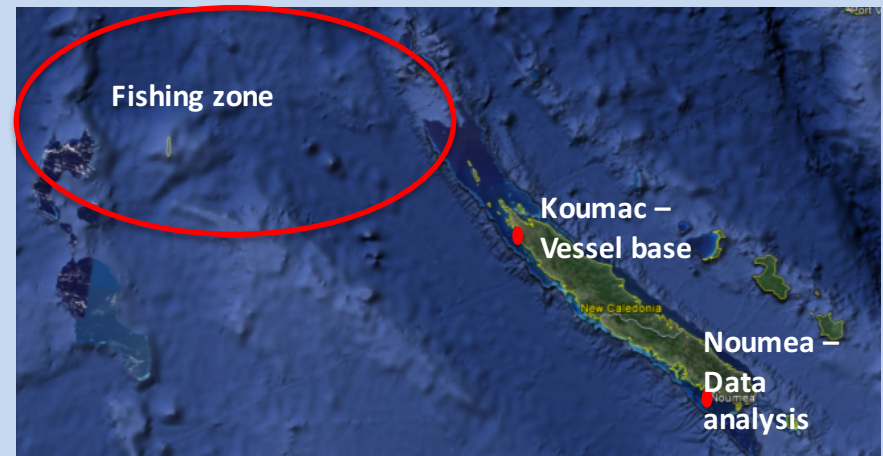
WCPFC12-2015-OP18c
4th December 2015
0900

Tuna longline vessel Video Electronic Monitoring in New Caledonia



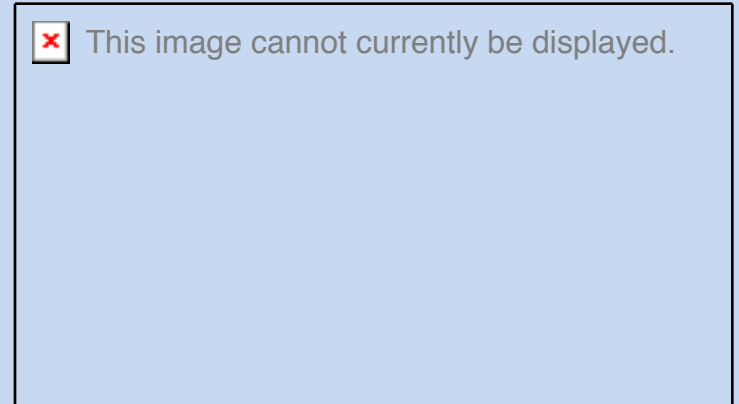
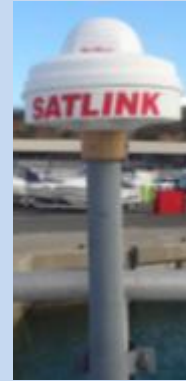
Why conduct this trial?

- Can EM be used to accurately monitor effort and catch activities.
- Increase observer coverage for fishing activities in a remote location.
- To determine the potential for fitting EM on other LL vessels in New Caledonia.



EM equipment

- 3 High definition cameras
- VMS antennae
- Central unit with 4 hard drives and screen to relay videos



Cameras views



•Cam 1: Starboard and forward



• Cam 3: Fish processing area



•Cam 2: Aft section (shooter and bait station)

Project challenges

- Quality of the footage:
 - Camera positions not ideal (cam. 3)
 - Crew not cleaning lenses as often as needed
- Analysis of the footage:
 - Only one observer available (alternating between office/at sea work)

Next steps

- Comparative analysis:
 - Compare EM vs. on-board observer data
 - Focus on species and size composition data
- Reporting:
 - Technical and financial report for decision making
- Review and improve:
 - Camera positions
 - Crew maintenance procedures
 - EM data analysis procedures

Project summary

Vessel



Video and
VMS data

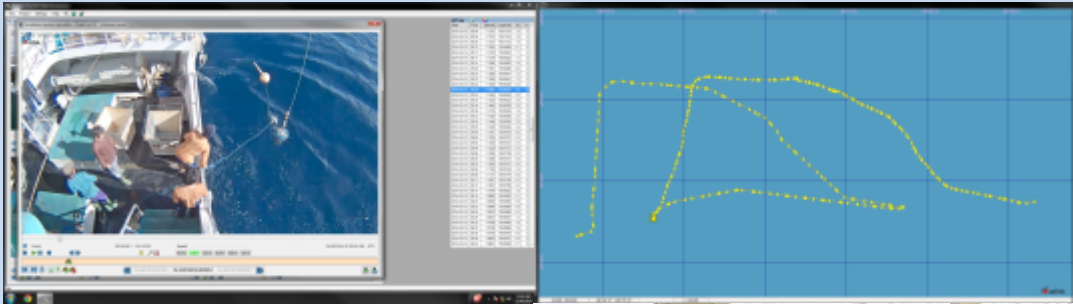


Fishing company

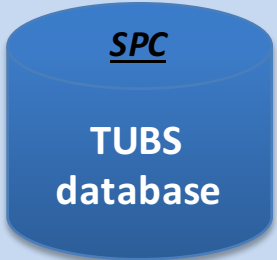
Hard Drive
replacement



DAM-SPE



EM data analysis by
office observer



Satlink



Improving EM system



Research and Development

Satlink, SPC,
DAM-SPE



DAM-SPE

Analysed data used towards
managing stocks



Thank you

For further information please contact:

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