



Pacific
Community
Communauté
du Pacifique

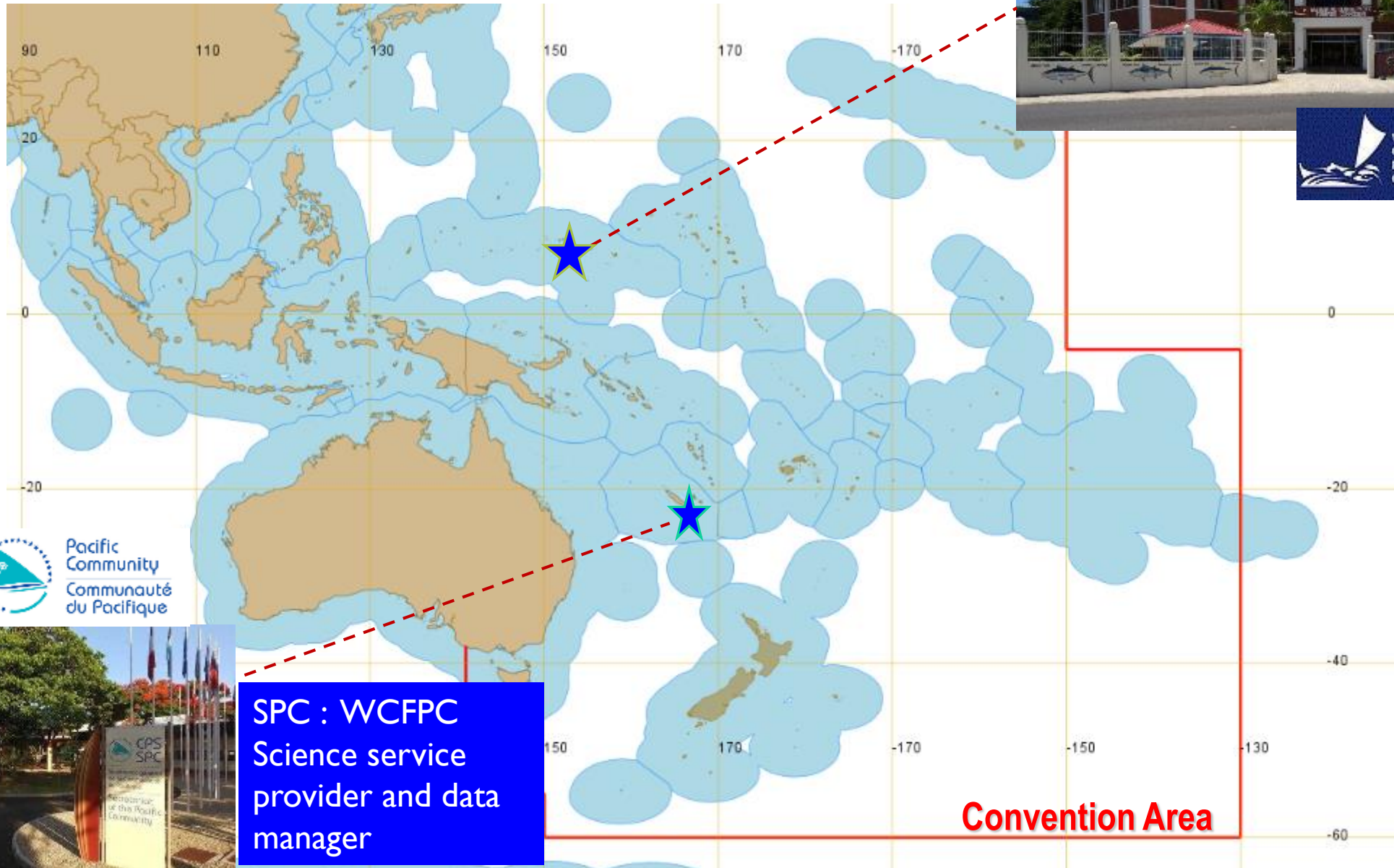
WCPFC Scientific Data

TECHNICAL WORKSHOP
ON GLOBAL HARMONISATION OF TUNA FISHERIES STATISTICS
19-22 MARCH 2018
FAO HQ, ROME, ITALY



Food and Agriculture
Organization of the
United Nations

WCPFC



Convention Area

**SPC : WCPFC
Science service
provider and data
manager**

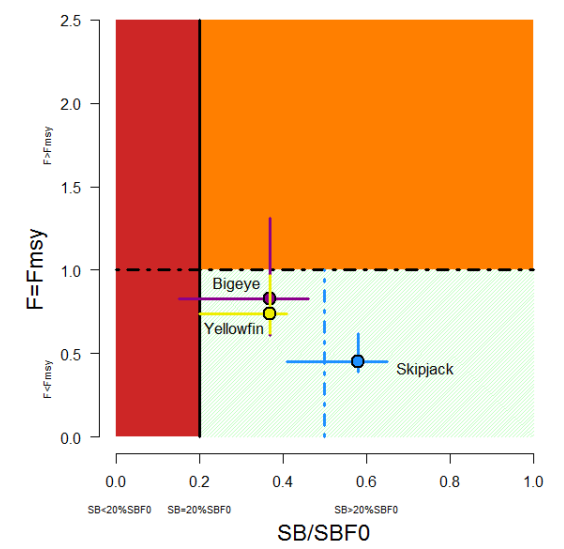
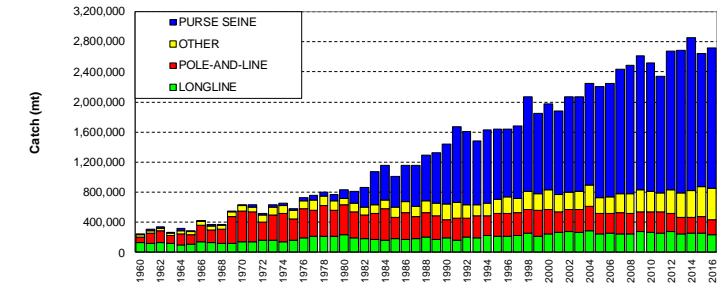
SPC



WCPFC: SOME KEY STATISTICS



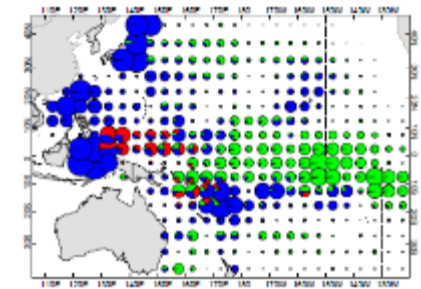
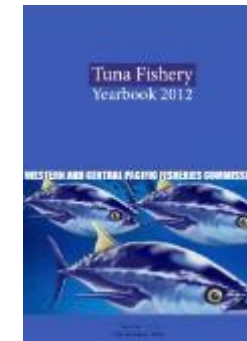
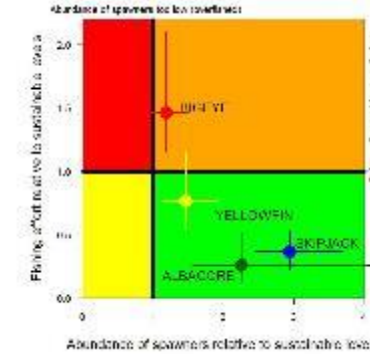
- **40** seats at the table:
 - 26 Members, 7 Participating Territories and 7 cooperating non member Countries
 - **SPC** – 26 seats – 15 Pacific Islands + 7 Territories, with 4 founding Countries
- **55%** of the worlds tuna catch: 2.7 million mt
 - PNA (8 Pacific Is. Countries) : ~50% of worlds canned skipjack
 - 80-85% of catches taken from EEZ'S
- Tuna fisheries provide significant income to Pacific Islands
- Main tuna stocks are in reasonable condition



SPC WCPFC science service provider and data manager



- Conducts the key WCPFC stock assessments and related analyses
- Collection, management and dissemination of WCPFC scientific data
- Direct assistance to Pacific Island countries (SPC members) with data collection and management through provision of database tools and capacity development
- Supports compliance work of WCPFC



Tuna Data Workshops



SCIENTIFIC DATA TO BE PROVIDED TO THE COMMISSION¹

1. Estimates of annual catches

The following estimates of catches during each calendar year shall be provided to the Commission for each gear type:

Data type	Characteristics
Annual catch estimates	Gear, Fleet, Species, YYYY, WCPFC and stock areas Vessel numbers by size categories
Aggregated catch and effort data	Gear, Fleet, Species, YYYY/MM, 1°x1°/5°x5°, [PS - set type]
Operational catch and effort data	[fishing operation level] 100% cov.
Size composition data	Gear, Fleet, Species YYYY/MM, 1°x1°/5°x5°, [PS - set type]
Observer data	[fishing operation level] PS – 100% cov. LL – 5% cov. (science needs at least 20%)

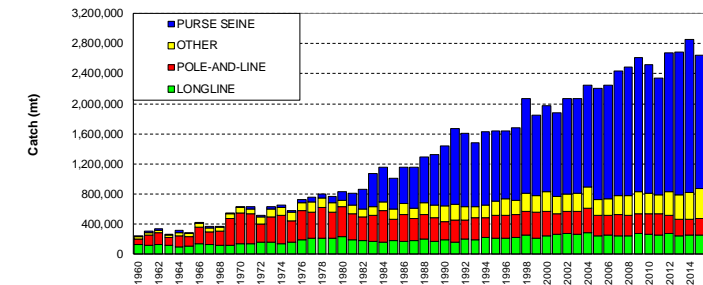
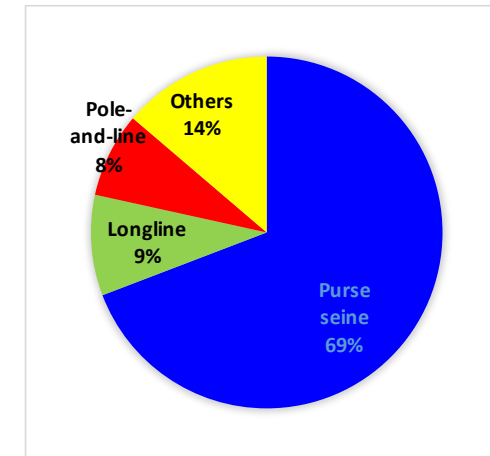
Various other types of data, including ...

- **WCPFC Secretariat** VMS, RFV (Record of fishing vessels), HS transshipments, etc.
- **SPC** Tagging, Biological (otoliths, stomach contents, tissue samples, etc.), etc.

WCPFC – GEARS



Gear	% of catch	ISSCFV Code	Standard Abbreviation
Purse seine	69%	2.9	SPX
Longline	9%	8.9	LLX
Pole-and-line	8%	9.2	LP
Troll	4%	9.3	LT
Handline (surface – small-fish)	3%	9.9	LOX
Handline (Deep – large-fish)	2%	9.1	LI
Driftnet/Gillnet	2%	6.1	GD
Ring-net	2%	3.9	SOX
Other Artisanal (not specified/mixed)	1%	29	VOX



WCPFC – KEY SPECIES



Bigeye tuna



Skipjack tuna



Yellowfin tuna



Albacore tuna



Swordfish



Blue Marlin



Black Marlin



Striped Marlin



Blue shark



Silky shark



Oceanic Whitetip shark



Mako sharks (2 spp.)



Thresher sharks (3 spp.)



Porbeagle shark



Hammerhead sharks (4 spp.)



Whale shark



WCPFC – Scientific data dissemination



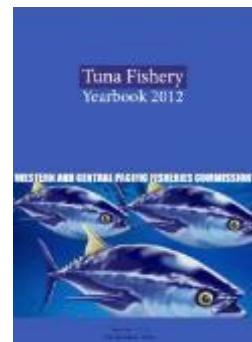
- Guided by the RaP for dissemination of WCPFC data
 - Lists types of public and non-public domain data
 - Rules for members access to data (flag state and coastal state)
 - Includes provision for the data exchange agreements between WCPFC and other RFMO (based on equivalence and reciprocity)
- Public domain data products on web site
 - Aggregated catch/effort data
 - Yearbook (bulletin and data files)
 - Data Inventory
 - Bycatch Data Exchange Protocol (BDEP)
- WCPFC Data Request Form for non-public domain data
- Memorandums of Cooperation (MOC) on data exchange with IATTC and CCSBT
- Importance of data exchange under PMS and CDS in future...



Rules and Procedures for the Protection, Access to, and Dissemination of Data Compiled by the Commission¹

The scope of these Rules and Procedures is data and information held by the WCPFC Commission or Secretariat, and by service providers or contractors acting on their behalf.

1. Basic principles relating to the dissemination of data by the WCPFC



WCPFC –Standards for E-Data



E-Reporting and E-Monitoring are evolving very quickly

Third-party technical E-Service Providers now active in our fishery

WCPFC has adopted standards for E-data submissions...

WCPFC E-Reporting data field standards

- Defines **WHAT** needs to be submitted
- Standards adopted for logbook, observer and transshipment data

Draft E-Monitoring Process standards

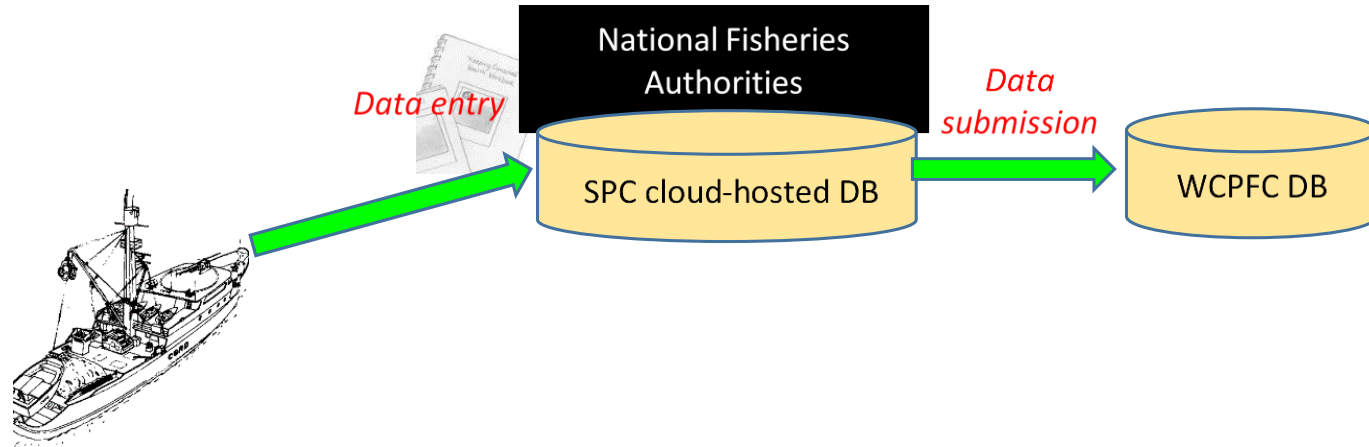
- Defines **HOW** data are to be collected using EM
- Draft standards developed for LL and PS EM observer data and transshipment data



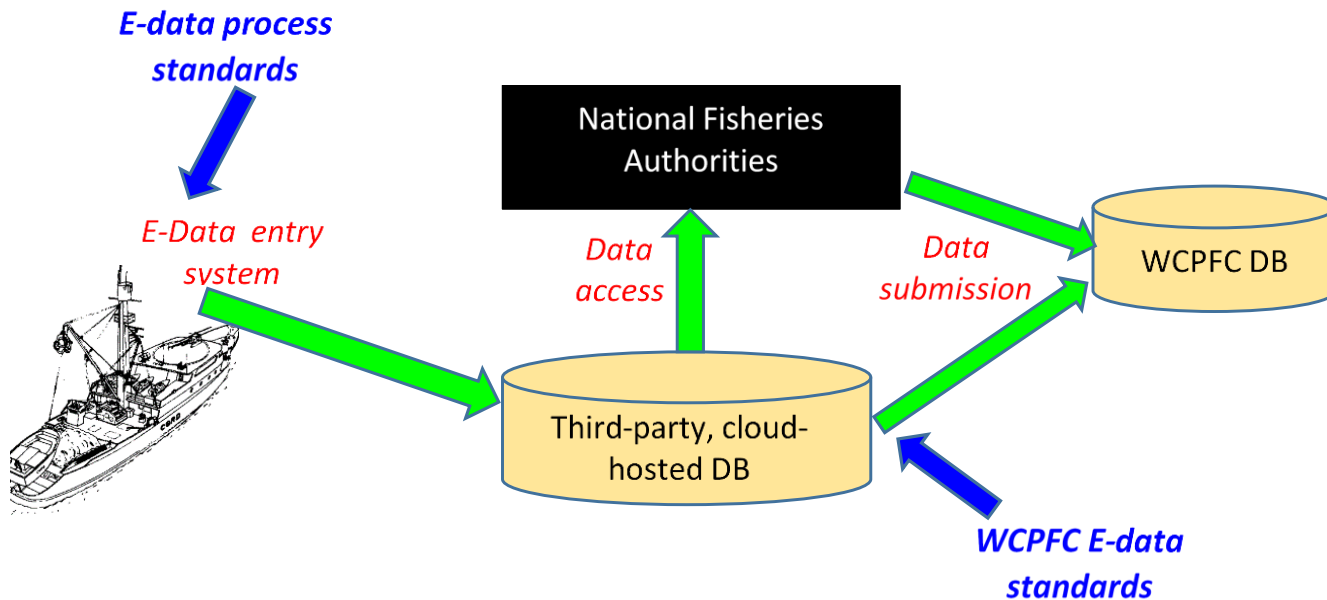
Nearly all the tropical WCPFC purse seine fleet use E-Reporting (PNA iFIMS eLog)

French Polynesia has agreed to full implementation of SPC OnBoard app for their longline fleet (~70 vessels)

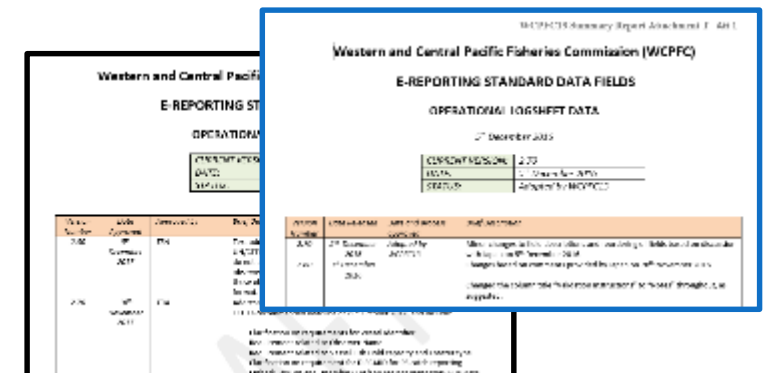
WCPFC –Standards for E-Data



Hard-copy forms process



E-Reporting and standards



Technical workshop on global harmonisation of tuna fisheries statistics

Expectations ?



- What happens in other tRFMOs ?
- To hear from FAO and others on new initiatives, successes, challenges, etc.
- E-Reporting and E-Monitoring is the future !
- Opportunities for standardisation for mutual benefit ?
- Potential for future collaboration ?
(...within the bounds of WCPFC data rules, resourcing, capacity, etc.)