



FFA
PACIFIC ISLANDS
FORUM FISHERIES
AGENCY

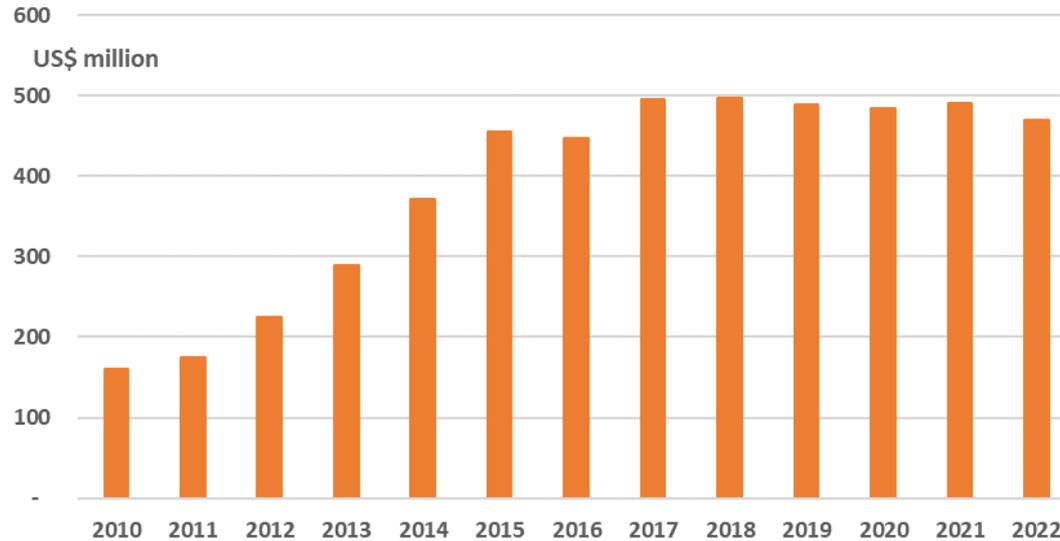
Potential economic impacts on tuna fisheries and resource owners

Climate Awareness Workshop
Wellington, New Zealand
February 19-22 2024



Economic contribution

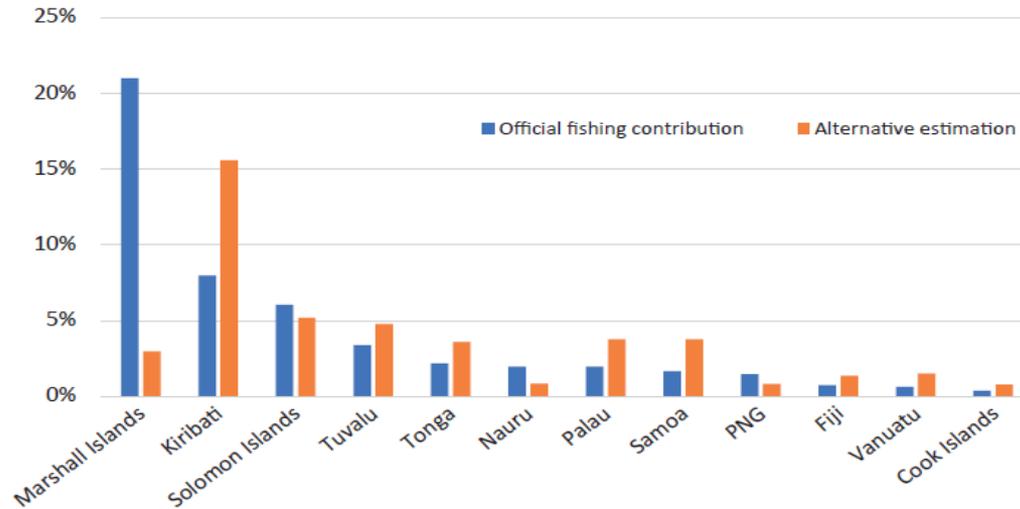
Access and Licensing fee revenue for FFA member countries



- 4 members ~ or >50% of government revenue (excl grants)
- 2 ~ or >25%
- 2 ~ or >10%



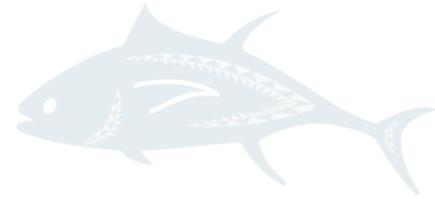
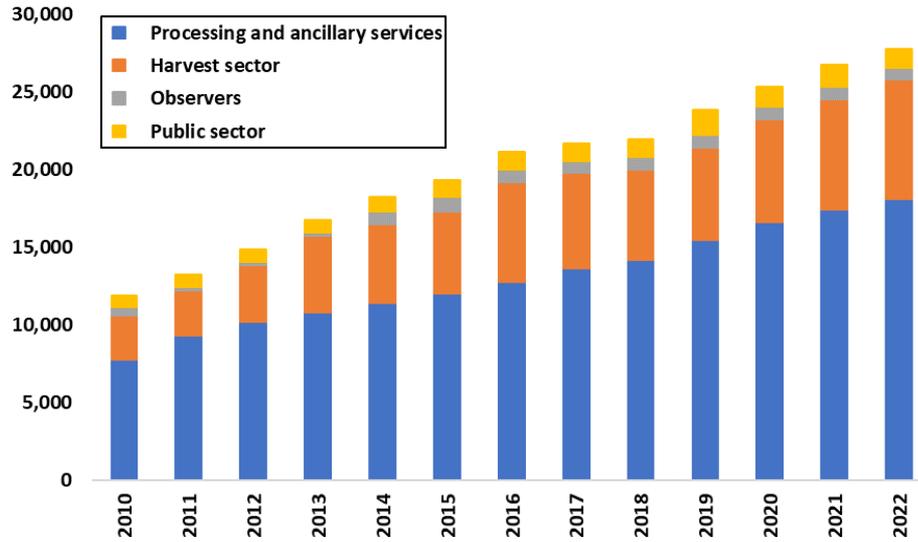
Contribution to GDP (fisheries – harvest sector only)



Official vs alternative estimations of fishing contributions to GDP
(fishing contribution as a percentage of GDP)

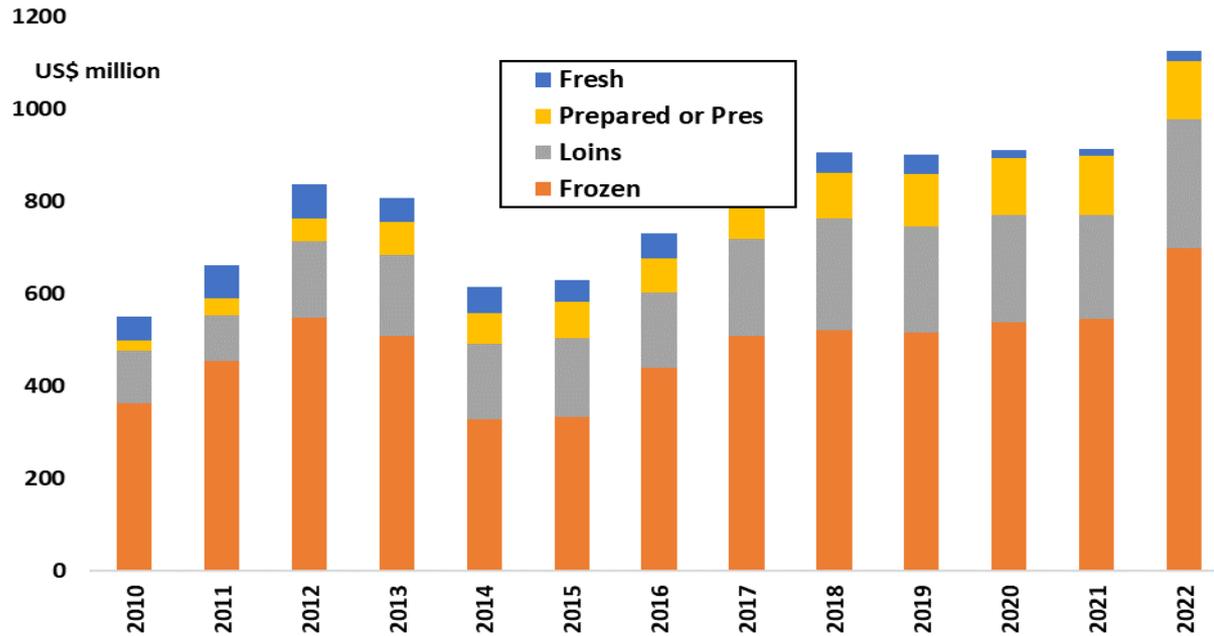
Economic contributions

Employment by sector



Economic contributions

Exports from FFA members to 4 major market



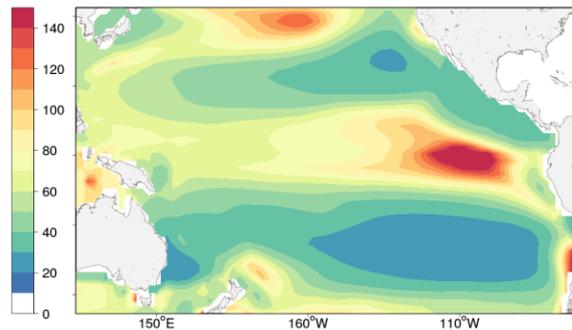
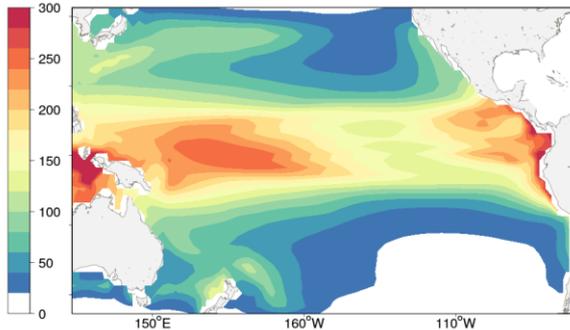
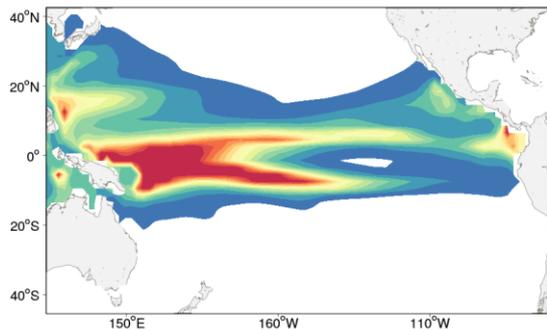
SEAPODYM-Climate Change forecast models to examine impacts on target species

skipjack

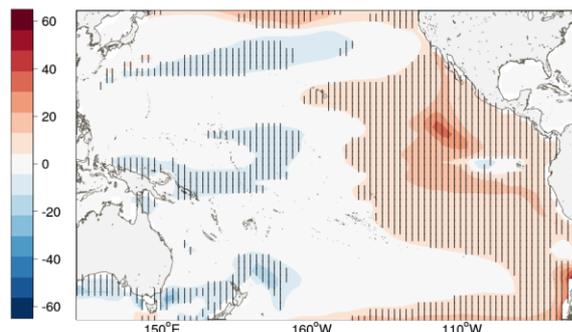
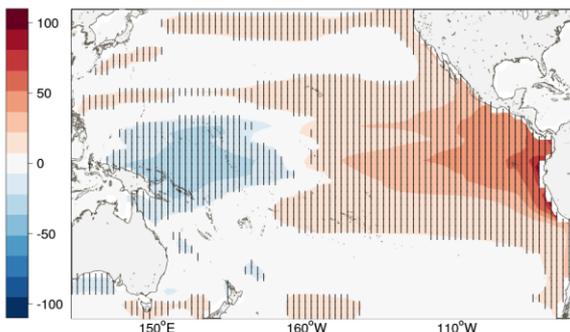
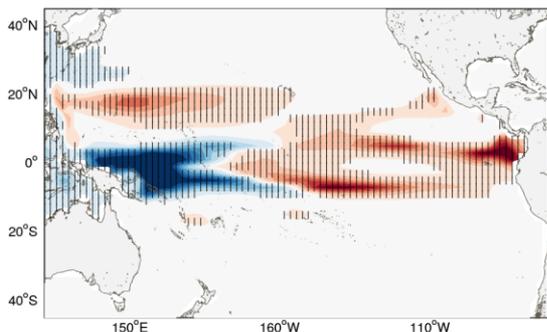
yellowfin

bigeye

2015

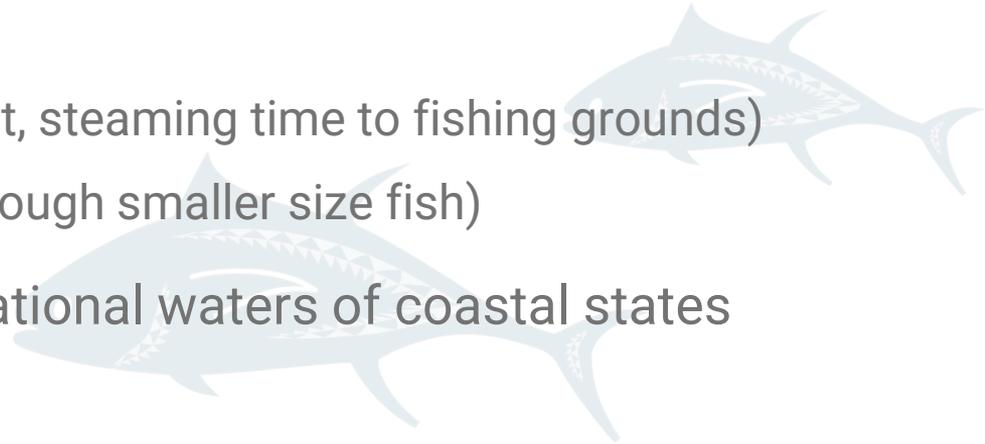


2050
RCP8.5



Impacts on WCPO tuna fisheries and associated industries

- Distribution and level of effort
- Distribution and level of catch
- Operating patterns (including transshipment)
- Fishery profitability
 - Changes to catch rates
 - Changes to cost (transshipment, steaming time to fishing grounds)
 - Changes to prices (including through smaller size fish)
- Value of access to fishery and national waters of coastal states

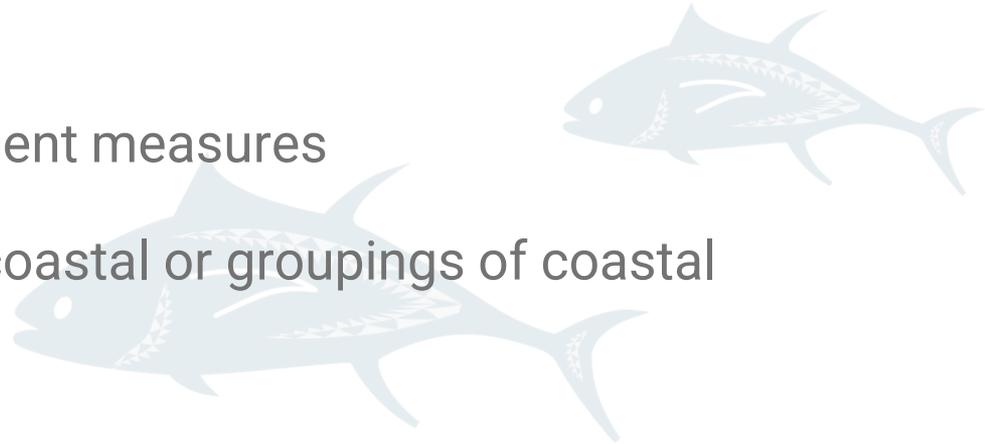


Impacts on WCPO tuna fisheries and associated industries (*cont.*)

- Processing sector
 - Profitability, including cost of, and ability to source, fish
- Ancillary services sector
- Small scale/artisinal fisheries

Other considerations:

- Existing and potential management measures
- Control over fishery exerted by coastal or groupings of coastal states



Potential impacts on economic benefits derived by coastal states

- Government revenue
 - Access and licensing fees
 - Transshipment fees
 - Taxes and charges paid by processing and ancillary services sectors
- Contribution to GDP
 - Harvest sector investment, activity and profitability
 - Processing sector investment, activity and profitability
 - Ancillary services investment, activity and profitability
- Employment
- Exports
- Upstream/downstream effects
- Food security/import replacement

