



Implementation of Regional and Global Oceanic Fisheries Conventions in the Pacific Islands

Summary of Proposed
SPC-Implemented Activities





Project Components

1. Governance: Strengthening of legal and policy frameworks and performance, including deterring IUU fishing – FFA
2. **Information for Management: Providing information for formulation, implementation and monitoring of the effectiveness of fisheries and ecosystem conservation and management measures, including improving understanding of the impact of climate change – SPC**
3. Knowledge Management: Increasing understanding & awareness across broad sectors of society through greater stakeholder participation, including in the WCPFC – FFA, NGOs (with SPC supporting)
4. Project management – FFA (with SPC supporting)



Comp 2: Information for Management

Outcomes

- Improved information and methods for:
 - determining stock-specific and ecosystem impacts of fishing and,
 - for designing innovative and best-practice management responses that account for uncertainty
- Capacity development in fishery and ecosystem monitoring and science at the regional and national level

...leading to...

- Improved quality and credibility of advice and decision-making both nationally and at the Commission;
- Improved monitoring of compliance with national laws and WCPFC measures
- improved understanding of the impact of climate change on conservation and management of oceanic fisheries and the Warm Pool LME



Comp 2: Information for Management

Outputs

- **2.1 Effective monitoring of national fisheries** through regionally-coordinated training and operational support for observers, port samplers and national coordinators (estimated 300 personnel trained over 5 years)
- **2.2 Data management systems** based on regional standards installed in 15 SIDS leading to effective management, reporting and regional integration of observer, port sampling, logsheet and unloading data
- **2.3 Scientific support** for national and coordinated regional ecosystem-based management of oceanic fisheries by SIDS through the provision of analytical and modelling services and associated capacity building
- **2.4 Estimates of climate change impacts** on oceanic fisheries and the associated uncertainties through the 21st century



Comp 2: Information for Management

Output 2.1 Effective fishery monitoring

- Coordinated advisory and support service at SPC (Fishery Monitoring Supervisor)
- Considerable resources (150K per year) for national-level activities, e.g.
 - In-country training of various sorts
 - Provision of essential infrastructure and equipment
 - Provision of data management resources
 - Implementation of national fishery monitoring programmes, e.g. national observer, port sampling
 - Artisanal statistics collection



Comp 2: Information for Management

Output 2.2 Data management systems

- Further development of regionally-coordinated data management systems to meet national and regional needs (consultancy funds)
- Provides a common platform for data management to Pacific SIDS to facilitate data provision to WCPFC, analysis of national fisheries and MCS uses (e.g. TUFMAN)



Comp 2: Information for Management

Output 2.3 Scientific support for management

- Scientific support for national-level management, including capacity building (Fishery Scientist)
- Development of tools for the evaluation of management options and strategies at national and FFA levels (Fishery Scientist)
- Ecosystem monitoring through understanding of trophic dynamics of the pelagic ecosystem (Fishery Scientist – 2 years)
- Special projects, e.g. Bycatch issues, mitigation, etc (consultancy fund)



Comp 2: Information for Management

Output 2.3 Estimation of climate change impacts

- Comprehensive climate change modelling to indicate range of possible outcomes for skipjack, yellowfin, bigeye and SP albacore stocks and their fisheries under alternative plausible climate change scenarios (Fishery Scientist)
- Will utilize linked environmental-tuna modelling platform (SEAPODYM) developed by OFP and international collaborators
- Will provide information for vulnerability assessments and long-term strategic planning of climate change adaptations
- Information on national/sub-regional scales and linked to complementary bioeconomic modelling



Preliminary Climate Change Impacts

Bigeye

Skipjack

