

PACIFIC REGIONAL OCEANSCAPE PROGRAM (PROP) PROJECT

FSM R&D Conference
January 24-28, 2022
WENO, CHUUK

On behalf of PROPER Steering Committee (NORMA, DF&A, DRD, DECEM)

Presentation Outline

- **OUTCOMES/OUTPUTS OF PROP PHASE 1
(2015-2021)**
 - OCEANIC FISHERIES OUTPUTS
 - COASTAL FISHERIES ASSESSMENT
- PROJECT PROFILES
- **PROP PHASE 2 CONCEPT NOTE**
- **PROP PHASE 2 PREPARATORY PROCESS**

Description of FSM PROP Project PHASE 1

Objective: To strengthen the management of selected Pacific Island oceanic and coastal fisheries, and the critical habitats upon which they depend. This will provide the basis for sustainable and increased economic benefits from this resource.

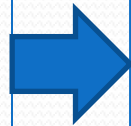
Components: (IDA Grant Funds)

1. Sustainable management of oceanic fisheries (NORMA, DOJ, DHSA, DF&A) \$5 Million
2. Sustainable Management of Coastal Fisheries (DRD) \$300K
3. Conservation of Critical Fishery Habitats (N/A)
4. Coordination, Monitoring & Evaluation (NORMA, DF&A) \$300K

Component 1: Sustainable Management of Oceanic Fisheries

Inputs:

1. Fisheries information systems
2. Increased monitoring via observers
3. Increased surveillance patrols
4. Institutional strengthening & training
5. Competent Authority



Results:

1. Enhanced VDS compliance
2. Greater VDS monitoring & transparency
3. Expanded VDS coverage
4. Increased VDS flexibility & efficiency
5. Introduction compatible system to long-line fisheries



Outcome:

Strengthened management of oceanic fisheries

COMPONENT 2: Sustainable Management of Coastal Fisheries



Inputs:

1. Coastal fisheries resource assessments
2. Increased coastal fisheries monitoring
3. New national regulations
4. Expanded CBRM programs



Results:

1. Increased coastal fisheries legally managed by stakeholders
2. New national management regulations
3. Regional BDM grouping supported



Outcome:

Strengthened management of coastal fisheries leading to sustainable use & production



Component 1: Sustainable Management of Oceanic Fisheries

Inputs:

1. Fisheries information systems
 2. Increased monitoring via observers
 3. Increased surveillance patrols
 4. Institutional strengthening & training
 5. Competent Authority
- 

OUTPUTS with complementing other resources:

1. VDS Compliance/Coverage & flexible
2. Long Line VDS
3. NORMA Information Management Systems:
4. Fisheries Observers trained, equipped and shifting to e-Reporting.
5. Compliance officers trained and equipped
6. NORMA strategy, corporate plan, annual plans and reports, communications strategy with website, NORMA reorganization with economic and Corporate
7. Oceanic Fisheries Management awareness with World Tuna Day and other awareness activities.
8. Negotiations capacity with legal, economic analysis
9. Competent Authority (Sanitation) established with presence in States to document and build capacity for certification.
10. Investment policy with VDS leveraging

COMPONENT 2: Sustainable Management of Coastal Fisheries



Inputs:

1. Coastal fisheries resource assessments
2. Increased coastal fisheries monitoring
3. New national regulations
4. Expanded CBRM programs



Results:

1. Increased coastal fisheries legally managed by stakeholders
2. New national management regulations
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Outcome:

Strengthened management of coastal fisheries leading to sustainable use & production



Pacific Islands Regional Oceanscape Program (PROP)

Coastal Fisheries Assessment

Assessment Report and Investment Profiles

PROP Coastal Fisheries Resource Assessment

Contract Awarded to: Integrated Aquatic Solutions – Cairns , Australia (Team Leader: Mr. Steve Lindsay)

Scope of Works & Deliverables - TOR

- Biological/socio-economic assessment of coastal fisheries;
- Identification of coastal fishery value chains and recommend initial sites;
- Detailed activities in each site identified plus TORs, budget/timeline and arrangements;
- M&E Plan – baselines, indicators, data collection roles and responsibilities; and
- Environment & Social Safeguards.

\$300K – FUNDS TO CONSULTANTS & NORMA:

Pay for Consultants, consultations (main and 2 outer islands, lagoon), workshop costs (rent, supplies), travel to workshops, on-the-ground consultants. Consultants to deliver within budget.

PROP Coastal Fisheries Resource Assessment

GENERAL TIMELINE (PROP UP TO SEPTEMBER 2020)

FSM signs
FINANCING
Agreement (1
of 4 countries)
March 2015

2011-2014:
Discussions ,
Concept/
PROP Project
development

**September
2015:**
PROJECT
ACTIVITIES
START AT
NORMA

May 2016:
Coastal
Fisheries
Workshop
(PROP intro)

April 2017:
Contract
with IAS

**INCEPTION
WORKSHOP**
(June '17)

Round 2,
Thematic
Areas/IPP

Round 1: SAR
Consultations

IAS Contract Ends:
SAR/IPP Finalized
(July '18)

VALIDATION WORKSHOP
(June '18)

**With Validated SAR/IPP Concepts, FSM TO DECIDE IF
INCLUDE IN WB IDA PROJECTS!**

Summary of the Stakeholder Consultations and Activities undertaken to deliver the Project.

Four Specific Phases:

1. **Inception** – (June 2017, 3 day workshop, report produced).
2. **Situation Analysis Report (SAR)** – (July – December 2017, National & State Visits (includes 5 outer islands), 538 stakeholders consulted, report produced).
3. **Investment Project Profile (IPP)** - (March – May 2018, National & State Visits, 75 stakeholders consulted, report produced).
4. **Validation Phase** – (June – July 2018, 2 day Workshop, 30 participants, validation report produced, sign off on SAR and IPP reports).

Key observations.

- 1) **Overfishing** is occurring throughout the FSM, in all 4 states, and is most acute near to population centers. This is happening now and has been getting worse over recent years, and without action will become critical.
- 2) **Reduction in catches** threatens food security, health & nutrition, and income & employment in coastal communities.
- 3) **Management** of the resources is weak or non-existent in most areas. Marine protected areas and conservation areas are generally not working.
- 4) **Action** needs to be taken sooner, rather than later, to protect the stocks of fish for future generations.

Key problems

- 1) Destructive fishing techniques, such as night-time spear fishing, fishing of spawning aggregations and small mesh gill nets are causing great damage to the fish stocks.
- 2) Data to monitor the stocks is insufficient and much is out of date. Additionally, the mechanisms to collect data sufficient to monitor the fishery do not currently exist.
- 3) Staff in the states and at community level are insufficiently skilled, and require training.
- 4) Enforcement of fisheries regulations is weak, meaning that existing Marine Protected Areas and Conservation Areas are not generally effective at protecting fish stocks.
- 5) Generally awareness of the coastal marine environment and the threats to it from overfishing, environmental degradation and pollution, is low.

Proposed solutions to identified problems.

1. Increased effort in all areas of fisheries management, particularly enforcement, is required to ensure the long-term sustainability of the coastal resources of the FSM.
2. Community awareness, understanding, ownership and enforcement of management actions are needed to ensure compliance is attained.
3. Existing fisheries policies, strategies, management systems, plans and regulations need to be reviewed and amended to address current issues facing the inshore fishing sector at the state level.
4. The amendments need to be supported by up-to-date scientific data and need to address key declining fisheries.

Some opportunities

1. Improvements in fish handling, sanitation, processing and value chain throughout the nation (including the development of central fish markets in several of the State capitals) are possible, which in time should realize increased economic returns on existing products without expansion of the fishery.
2. Value-adding activities tailored to suit the domestic and possible international markets need to be explored. These initiatives need to be based on sound business and marketing principals, and include technical and training capacity building activities.

SAR Findings and Outcomes – Thematic Areas

11 key thematic areas including 44 specific actions were identified – need to be addressed to ensure sustainable development of inshore fisheries – thematic areas used to develop Investment Project Profiles (IPP):

1. Law and Policy (11 actions),
2. Improved Inshore Fisheries Management (8 specific actions),
3. Improved Fisheries Awareness & Knowledge to Stakeholders (7 actions),
4. Training & Capacity Building of Government Staff (4 actions),
5. Enforcement of Fisheries Regulations & Management Plans (7 actions),
6. Economic Capacity Development & Marketing (7 actions),
7. Action on Safety – Navigational Aids (1 action),
8. Alternative Livelihoods Opportunities (3 actions),
9. Quarantine Improvements (3 actions).
10. Actions on safety at sea – safety equipment for small fishing boats (1 action),
11. Studies and Reviews (3 actions).

Investment Project Profiles (IPPs);

- Developed to show what activities and/or investments are appropriate to overcome the problems identified in the SAR.

All IPPs comply to;

- The Projects Criteria and Compliance Checklist,
- Are “SMART” – (Specific; Measurable; Attainable. Relevant; Time-bound).
- All use the projects IPP agreed template.
- All risks, social & gender issues, environmental issues, food security and health issues (where necessary and relevant) have been assessed.

The IPPs thus include detailed information that will satisfy donors that the IPP investments are worthwhile, address specific real issues, likely to succeed and that risks, social and environmental, and other externalities have been taken into account.

Project Management and M & E systems have been developed.

Investment Project Profiles - IPP

- 10 IPPs** have been developed and finalized. These include;
- **IPP 1.** Inshore Fisheries Legislation and Policy Update for FSM National and State Governments.
 - **IPP 2.** Fisheries Management, Data Collection, Management and Training.
 - **IPP 3.** Fisheries Management, Awareness and Staff Enhancement.
 - **IPP 4.** Enforcement of fisheries Regulations and Management Plans.
 - **IPP 5** Economic Capacity Development and Marketing.
 - **IPP 6.** Navigational Aids for small boats.
 - **IPP 7.** Fisher Livelihoods Diversification & Income Enhancement.
 - **IPP 8.** Quarantine Improvements.
 - **IPP 9.** Safety at sea – safety equipment for small fishing vessels.
 - **IPP10.** Studies and reviews.

Note: Project management costs are not included in the IPP – they are a separate cost item – estimated for all IPP US\$6,304,000.



**Brief overview of each of
the 10 IPPs.**

IPP 1 – Inshore Fisheries Legislation & Policy Update - FSM National and State Governments.

Objective: To develop the strategic management plans, policy, legislation and regulations at the FSM national and Individual State level as they related to Coastal fisheries so as to reflect modern sustainable practices and expectations and to provide a legal basis for the sustainable management and subsequent development of the coastal fisheries resources of the nation.

Components:

1. Project Preparatory Technical Assistance (PPTA).
2. Field Activities (National & 4 states).
3. Validation Workshop.

The national and states' governments will then incorporate the outputs into their legislation and management plans as required.

Estimated IPP Cost and Time Frame:

US\$795,000, Short Term less than 3 years

IPP 2 : Fisheries Management, Data Collection, Management and Training.

Objectives: To establish a system whereby an improved understanding of the dynamics of the fisheries of the FSM leads to better management of coastal resources leading to sustainable use of those resources.

Components:

1. Project Preparatory Technical Assistance (PPTA).
2. Field activities by consultants and states' staff.
3. Development of protocols for collection and storage of data for FSM (includes training of staff).
4. Undertake comprehensive ecological assessments using the new protocols.
5. Review existing and proposed ecosystem and species-specific management plans so as to incorporate the new systems and assessments.

Estimated IPP Cost and Time Frame:

US\$2.336,000. Medium Terms 3-6 years

IPP 3 : Fisheries Management, Awareness and Staff Enhancement.

Objectives: To increase awareness through the 4 States of coastal fisheries, fisheries ecosystems and laws & regulations covering the industry.

Components:

1. Project Preparatory Technical Assistance (PPTA).
2. Development of school curricula and training of teachers.
3. Training in sustainable fisheries resource management and economics for states' staff and community leaders.
4. Assistance to communities and stakeholders on new or existing fishers associations and co-operatives.

Estimated IPP Cost and Time Frame:

US\$2,160,000, Medium Term 3 – 6 years

IPP 4 : Enforcement of Fisheries Regulations and Management Plans.

Objectives: To i) establish a license system for all coastal fishing boats in all States and Improve enforcement of state fisheries rules & ii) regulations and those of communities in MPA's and CA's.

Components:

1. Project Preparatory Technical Assistance (PPTA).
2. Amendments to legislation in each state (to allow a licensing system).
3. Implementation of licensing system.
4. Improved enforcement of fisheries regulations (Includes training etc).

Estimated IPP Cost and Time Frame:

US\$2,550,000, Medium Term 3 – 6 years

IPP 5 : Economic Capacity Development and Marketing.

Objectives: To i) increase the value of the coastal fisheries catch through improved marketing and product development and ii) shift some effort to the offshore pelagic fish.

Components:

1. Training of fishers on Quality Control and the cold chain to improve product quality and value, and information and training on fisheries regulations.
2. Assessment of the value of centralized fish markets.
3. Deployment of Nearshore FADs.

Estimated IPP Cost and Time Frame:

US\$800,000, Medium Term 3 – 5 years

IPP 6 : Navigational Aids for small boats.

Objectives: To i) improve navigation of small craft and ii) to reduce casualties and accidents in small craft.

Components:

1. Project Preparatory Technical Assistance (PPTA).
2. Detailed Survey of Small Boat NavAids needs Assessment.
3. Tender for installation of all NavAids identified.
4. Installation of NavAids.

Estimated IPP Cost and Time Frame:

US\$620,000, Medium Term 3 – 6 years

IPP 7 : Fisher Livelihoods Diversification and Income Enhancement.

Objectives: To i) Diversify the fishery away from reliance on coastal resources for income, towards non-extractive or reduced use (tourism, diving, value adding etc) & pelagic nearshore resources; ii) Identify suitable activities that will allow entrepreneurs to establish business and income earning activities that sustainable use coastal resources, including non-fisheries use; iii) Where resource & sustainable management plan exist, assist entrepreneurs in developing coastal resources; iv) Support training in support services (e.g. small engine maintenance, boat building) and v) Provide necessary training in business management for entrepreneurs once opportunity have been identified.

Components:

1. Assessment of potential Livelihood Diversification.
2. Provision of assistance to entrepreneurs.

Estimated IPP Cost and Time Frame:

US\$700,000, Long Term 5 years

IPP 8 : Quarantine Improvements.

Objectives: To reduce the chance of destructive or invasive aquatic organisms entering the FSM.

Components:

1. Project Preparatory Technical Assistance (PPTA).
2. Detailed design and construction of quarantine facilities.
3. Tender for construction and equipping of aquatic quarantine facilities in 4 states.
4. Construction of Quarantine facilities.
5. Tender for awareness program to educate the public on introduction and transfers and quarantine.
6. Development of Quarantine Protocols for Aquatics and updating regulations for the new National Biosecurity Law for Aquatics.
7. Training of Quarantine Department Staff.

Estimated IPP Cost and Time Frame:

US\$1,155,000, Medium Term 3 years

IPP 9 : Safety at sea – safety equipment for small fishing vessels.

Objectives: To reduce the loss at sea from powered coastal fishing vessels drifting away.

Components:

1. Amendments to regulations for all licensed fishing boats operating in the coastal zone.
2. Selection of NGO to undertake training and awareness.
3. Acquisition of equipment for safety at sea for small powered fishing vessels.
4. Implementation of awareness and training programs for safety at sea.

Estimated IPP Cost and Time Frame:

US\$2,325,000, Medium Term 3 – 6 years

IPP 10 : Studies and reviews.

Objectives: To undertake 2 studies and 2 reviews on topics relevant to coastal fisheries that are not covered by other IPPs.

Components:

1. Procurement of consultants.
2. Review of States R & D Departments and FSM R & D.
3. Socioeconomic study on fishing communities.
4. Assessment of Total Value of FSM reefs and associated habitats.
5. Review of Aquaculture in FSM

Estimated IPP Cost and Time Frame:

US\$604,000, Short Term – 2 years

IPP Estimated budget:

PMU		Length (years)	Comment	Cost for 1 year (x 1000 US\$)	Costs for project (x 1000 US\$)
HQ	4 staff	8	Pohnpei based	\$275	\$2,200
State	1 staff	8	State based	\$283	\$2,264
TA Adviser	1 Part time	8	Pohnpei but roving	\$230	\$1,840
IPP					
1	Law/Policy	3	Subcontract	\$265	\$795
2	Management data	4	Mostly subcontractors	\$584	\$2,336
3	Management awareness - staff	6	Mostly subcontractors	\$360	\$2,160
4	Enforcement	6	Equipment, personnel, training	\$425	\$2,550
5	Economic capacity Devel.	5	Equipment, Sub contractors	\$160	\$800
6	Navigational Aids	4	All subcontracted	\$155	\$620
7	Alternative Livelihoods	5	Training, subcontractors	\$140	\$700
8	Quarantine	3	Equipment, training, subcontractors	\$385	\$1,155
9	Safety at Sea	3	Equipment, training	\$775	\$2,325
10	Studies & Reviews	3	All subcontracted	\$201.33	\$604
Total					\$20,349

Proposed Management Structure:

Successful Implementation will require;

Project Management Unit (PMU) based in Palikir – managing all external affairs of the projects and overseeing the management, accounting, safeguards, reporting requirements and management of state counterparts and projects. Positions include i) Coastal PROP Manager, ii) Accountant/Procurement Officer, iii) Liaison Officer and iv) Safeguards Officer; and

Project Representative (Antennae) Technical Officer positions, one in each state acting as the projects focal point, linkage between national and state governments, communities and overseeing the implementation of projects.

Technical Project Advisor – to support and assist in the general administration and management of the project, based in the PMU.

Project Steering Committee – oversee the management, implementation and monitoring of the whole project.

IPP Monitoring & Evaluation (M&E) Plan :

- M & E plan for the project has been developed - based on the current baseline situation, the long term target/s, key milestones & time frame for each of the 10 IPP's.
- The M & E developed in consideration of the capacity & finance issues within National & State fisheries Administrations.
- Projects Steering Committee is to be tasked to monitor all activities associated with the project.
- Effective monitoring of project activities will be through annual reports – derived from FSM R &D, consultants, NGO/CBO's.
- Projects M & E table includes for each IPP the following; Objective, Monitoring Indicators, Source of Data, Current Situation and Time to Complete the project.



Thank you

Presentation Outline

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(2015-2021)**
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