**PROJECT DETAILS**

**PAPUA NEW GUINEA**
Melanesia

**TITLE**
Strengthening capacity in the agriculture and land-use sectors for enhanced transparency in implementation and monitoring of Nationally Determined Contributions (NDCs) under the Paris Agreement in Papua New Guinea

**OBJECTIVE**
By 2020 PNG is preparing reports to the UNFCCC under the Paris Agreement Enhanced Transparency Framework (ETF) with strengthened agriculture and land use sector components including inventories of emissions by sources and sinks, and information necessary to track progress against priority actions identified in PNG’s NDC for these sectors

**GEF PROJECT DETAILS**
See in GEF website

**PROJECT PROPOSAL**
See in GEF website

**PROJECT OUTCOMES**
Institutional arrangements for coordinating information and data from the agriculture and land use sectors into ETF processes and reports enhanced.

Best practices on ETF reporting processes, information gathering, system infrastructure, and methodologies in the agriculture and land use sectors disseminated to relevant priority sectors.

Reporting on inventories of emissions sources and sinks and emissions reduction activities from agriculture and land-use sectors strengthened.

Monitoring and reporting of selected NDC priority adaptation actions in the agriculture and land use sectors strengthened.

**STAKEHOLDERS**
Climate Change Development Authority (CCDA)
Papua New Guinea Forest Authority (PNGFA)
Department of Agriculture and Livestock (DAL)
PNG Conservation & Environment Protection Authority (CEPA)
Other relevant national sectors (e.g. Energy, Industry, Transport)
Development agencies: UNDP, UNEP, JICA
National Agriculture Research Institute (NARI)
University of PNG (UPNG)
NGOs: TNC, WWF, WCS, FORCERT
Donors
leaders of other CBIT related initiatives
Non-state actors, including households and communities

**KNOWLEDGE MANAGEMENT APPROACHES**
Dissemination and maintenance of on-line based database and learning forums

**STATUS**
Under implementation

**CONCEPT APPROVAL**
12 June 2017

**PROJECT DOCUMENT APPROVAL**
29 October 2018

**IMPLEMENTING AGENCIES**
Food and Agriculture Organization

**EXECUTING AGENCIES**
Climate Change and Development Authority of Papua New Guinea
MEET THE FOCAL POINT OF THE PROJECT

Alfred Rungol
General Manager

MRV & National Communication Division

Papua New Guinea Climate Change and Development Authority

• Work with PNG’s Climate Change and Development Authority (CCDA) to provide professionalism and advice to facilitate activities through environmental, social and economic concepts that address sustainable development, community development, climate change, environmental health and safety, environmental protection and monitoring and good governance.

• Contributing towards the aims and visions of CCDA to increase sustainability in social and economic development, resource management and addressing climate change, thus applying my professional capabilities and management skills in the progressive development, enhance healthy profitable outcomes through engagement and working with other relevant organizations and stakeholders.

• To embrace the visions and aims of CCDA by committing to live and work with the values that creates a working environment that is stimulating, inclusive, positive and safety oriented, thus to act with integrity and honesty, seeking high performance in myself and others, value innovative and problem solving, and working with diverse people and cultures to achieve success in strategic management, interpersonal relations and leadership capabilities and management.

1. United Nation Environmental Program (UNEP) Sub-programs: GEF Climate Mitigation- Focal Point for BUR and National Communication - GHG Inventory
2. Japan International Corporation Agency (JICA) Project for Enhancing Capacity to develop a sustainable GHG inventory system for PNG - Project Manager/GHG Inventory Controller
3. International Energy Agency - PNG’s Contact Point
4. The Asia Pacific Energy Research Centre (APERC) - PNG’s Co-Focal Point

Recently Appointment 2018/2019

5. PNG NDCs - Operational Focal Point
6. GEF FAO CBIT - National Focal Point
## Project Indicators

### Indicators on Institutional Capacity for Transparency-Related Activities

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Target (1-4)</th>
<th>Baseline (1-4)</th>
<th>Mid-Term Evaluation (1-4)</th>
<th>Terminal Evaluation (1-4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qualitative assessment</td>
<td>3</td>
<td>2</td>
<td>pending</td>
<td>pending</td>
</tr>
</tbody>
</table>

### Quality of MRV Systems

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Target (1-10)</th>
<th>Baseline (1-10)</th>
<th>Mid-Term Evaluation (1-10)</th>
<th>Terminal Evaluation (1-10)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement systems are strong and cover a greater percentage of activities</td>
<td>6</td>
<td>3</td>
<td>pending</td>
<td>pending</td>
</tr>
</tbody>
</table>

### Indicators on Project Results

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Target</th>
<th>Baseline</th>
<th>Source of Verification</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Coordinated sharing of data, information and analyses from agricultural and landuse sub-sectors in a manner that facilitates ETF processes, reports</td>
<td>ETF-relevant data, within agriculture and land-use sectors are shared</td>
<td>Data not shared</td>
<td>Status of the National Climatechange Monitoring Framework (NCCMF); ETF reporting</td>
</tr>
<tr>
<td>B: CBIT Tracking Tool Indicator 5: Qualitative assessment of institutional capacity for transparency-related activities</td>
<td>3</td>
<td>2</td>
<td>Status of the National Climatechange Monitoring Framework (NCCMF)</td>
</tr>
<tr>
<td>C: ETF readiness in terms of institutional and human capacities</td>
<td>Measurable increases in readiness level</td>
<td>Low level</td>
<td>AFOLU readiness assessment (final report)</td>
</tr>
<tr>
<td>E: Degree of engagement with other sectors</td>
<td>Agriculture and land-use sectors contributing to ETF capacities in other sectors</td>
<td>None</td>
<td>Project reporting; attendance records; presentations/reports submitted</td>
</tr>
<tr>
<td>F: Degree of engagement with regional and global ETF counterparts</td>
<td>Agriculture/land-use sectors contributing to ETF capacities regionally/globally</td>
<td>Minimal contribution</td>
<td>Project reporting; attendance records; presentations/reports submitted</td>
</tr>
<tr>
<td>G: AFOLU CCM component of CBIT Tracking Tool Indicator 3: Quality of MRV systems</td>
<td>6</td>
<td>3</td>
<td>IPCC MRV assessment tool; MRV portal functionality</td>
</tr>
<tr>
<td>H: Availability of formal, adopted metadata parameters and QC protocols for agricultural and landuse sub-sectors</td>
<td>Endorsed and adopted by relevant stakeholders</td>
<td>None</td>
<td>NCCMF; publication of protocols; formal endorsements of relevant stakeholders</td>
</tr>
<tr>
<td>I: Sufficiency of technical and human capacities to enact CCM-related QC protocols for agricultural and landuse sub-sectors</td>
<td>High for all stakeholders with direct relevance to the NCCMF protocols</td>
<td>Very low</td>
<td>Training records; procurement records; outcomes of pilots</td>
</tr>
<tr>
<td>J: Availability of formal, adopted metadata parameters and QC</td>
<td>Endorsed and adopted by relevant stakeholders</td>
<td>None</td>
<td>NCCMF; publication of protocols; formal endorsements of relevant stakeholders</td>
</tr>
<tr>
<td>K: Sufficiency of technical and human capacities to enact CCA-related QC protocols for agricultural and landuse sub-sectors</td>
<td>High for all stakeholders with direct relevance to the NCCMF protocols</td>
<td>Very low</td>
<td>Training records; procurement records; outcomes of pilots</td>
</tr>
</tbody>
</table>
**PROGRESS**

>to be provided by country focal point<

**STATUS OF PROJECT OUTPUTS AND ACTIVITIES**

1.1. Institutional arrangements for coordinating information and data from the agriculture and land use sectors into ETF processes and reports enhanced.

1.1.1. Assessment prepared on institutional, data-collection, analysis, and reporting capacity gaps and needs for meeting the requirements of the ETF with specific focus on the priority NDC actions for the agricultural and land-use sectors.

1.1.1.1. Validate and, as needed, refine the AFOLU stakeholder-coordination mapping.

1.1.1.2. Validate and, as needed, refine the AFOLU MRV assessment.

1.1.2. AFOLU MRV coordination mechanism strengthened, integrating relevant authorities from agricultural and land-use sectors into national UNFCCC reporting processes.

1.1.2.1. Strengthen or expand existing relevant AFOLU MRV technical working committees and establish new ones as needed.

1.1.2.2. Establish a network of regional advisors responsible for ETF-related activities for the AFOLU sector.

1.1.2.3. Capacitate and equip key stakeholders to facilitate ETF transition and management.

1.1.2.4. Establish an MRV Help Desk.

1.1.2.5. Emplace long-term or open-ended multi-party MOUs for relevant data-sharing.

1.1.2.6. Enhance CEPA’s online portal for ETF-related information.

1.1.3. National Climate-change Monitoring Framework for the agricultural and land-use sectors prepared and adopted.

1.1.3.1. Publish a National Climate-change Monitoring Framework for ETF-aligned measurement, reporting, and verification for the agricultural and land-use sectors.

1.1.4. National reports reflect the latest ETF guidance.

1.1.4.1. National ETF-related reports submitted with improved alignment to the latest UNFCCC AFOLU MRV guidance and improved data for NDC-relevant emissions-reductions activities

1.1.4.2. Section included in national ETF-related reports covering climate-change impacts and adaptation-related activities in accordance with NDC commitments for the AFOLU sector.

1.2. Inter-sectoral, national, and international engagement strengthened regarding ETF-related processes.

1.2.1. Multi-sectoral strategy and 1.2.1.1. Identify opportunities for inter-sectoral efficiencies and reduced
coordination mechanism strengthened integrating relevant authorities, data, and information systems into national UNFCCC reporting processes.

<table>
<thead>
<tr>
<th>1.2.1.2. Ensure that AFOLU data-sharing processes are integrated with broader inter-sectoral and national coordination for data-sharing.</th>
<th>0%</th>
</tr>
</thead>
</table>

1.2.2. AFOLU MRV/ETF lessons learned captured and up-scaled nationally and internationally.

<table>
<thead>
<tr>
<th>1.2.2.1. Stakeholder feedback solicited regarding successes and suggestions for improvement.</th>
<th>0%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2.2.2. AFOLU MRV best practices shared with other sectors.</td>
<td>0%</td>
</tr>
<tr>
<td>1.2.2.3. Contribute to efforts via the CBIT global projects to share and up-scale relevant AFOLU MRV best practices and lessons learned.</td>
<td>0%</td>
</tr>
</tbody>
</table>

### 2.1. Strengthened capacity to measure GHG emissions, removals, and emission-reduction activities from agricultural and land-use sectors.

#### 2.1.1. Quality-control (QC) protocols established for regular, systematic measurement of emissions, removals, and emission-reduction activities in the agricultural and land-use sectors.

<table>
<thead>
<tr>
<th>2.1.1.1. Establish meta-data parameters.</th>
<th>0%</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1.1.2. Establish QC protocols for collecting, managing, and archiving data.</td>
<td>0%</td>
</tr>
<tr>
<td>2.1.1.3. Estimate resource requirements and sources for initial and sustained support (e.g., technology, personnel, funding, etc.).</td>
<td>0%</td>
</tr>
<tr>
<td>2.1.1.4. Draft AFOLU ETF data-provision guidelines.</td>
<td>0%</td>
</tr>
</tbody>
</table>

#### 2.1.2. Information technology systems upgraded to integrate, analyze, and archive diverse data types.

| 2.1.3.1. Provide relevant stakeholders with the equipment and software necessary for decentralized data collection, storage, and uploading in line with data-provision guidelines (see 2.1.1.4). | 0% |
| 2.1.3.2. Produce training materials, including materials for training of trainers, for QC and associated technologies. | 0% |
| 2.1.3.3. Conduct training of relevant stakeholders, including training of trainers, to enable measurements in line with data-provision guidelines (see 2.1.1.4). | 0% |

#### 2.1.3. Capacity and technology upgraded in relevant institutions to strengthen mitigation-related MRV, including country-specific emissions factors, activity data, and Tier 2 reporting for key sub-categories in the agricultural and land-use sectors. (Coordinates with 3.1.3.)

| 2.1.4. Relevant measures validated and piloted for key mitigation sub-categories in the agricultural and land-use sectors. | 0% |
| 2.1.4.1. Improve and update land-use activity data to facilitate reporting in accordance with the National Climate-change Monitoring Framework (Output 1.1.3). | 0% |
| 2.1.4.2. Review relevant research literature to determine or update provisional Tier 2 estimates where possible and conduct uncertainty assessments for estimates in key sub-categories. | 0% |
### 3.1. Strengthened capacity to measure climate-change impacts, vulnerabilities, and adaptation-related activities in the agricultural and land-use sectors.

#### 3.1.1. Measurement framework developed for climate-change impacts, vulnerabilities, and adaptation-related activities prioritized in the NDC for the agricultural and land-use sectors.

- **3.1.1.1.** Assessment of relevant good practices for methods and frameworks.
- **3.1.1.2.** Establish meta-data parameters.
- **3.1.1.3.** Establish QC protocols for collecting, managing, and archiving data.
- **3.1.1.4.** Estimate resource requirements and sources for initial and sustained support (e.g., technology, personnel, funding, etc.).
- **3.1.1.5.** Draft related data-provision guidelines.

#### 3.1.2. Information technology systems upgraded to integrate and analyze adaptation-related data.

- **3.1.3.1.** Provide relevant stakeholders with the equipment and software necessary for decentralized data collection, storage, and uploading in line with data-provision guidelines (see 3.1.1.5).
- **3.1.3.2.** Produce training materials, including materials for training of trainers, for QC and associated technologies.
- **3.1.3.3.** Conduct training of relevant stakeholders, including training of trainers, to enable measurements in line with data-provision guidelines (see 3.1.1.5).

#### 3.1.3. Capacity and technology upgraded in relevant institutions to strengthen M&R for adaptation priorities identified in the NDC for the agricultural and land-use sectors.

- **3.1.4.1.** Review relevant research literature to determine provisional estimates where possible and conduct uncertainty assessments for estimates for key indicators.
- **3.1.4.2.** Conduct pilot tests of measurement protocols and revise protocols as needed.
- **3.1.4.3.** Conduct preliminary validations of proxy measures.
No documents uploaded yet
Papua New Guinea's GEF FAO - Capacity Building Initiative for Transparency (CBIT) Inception Workshop
22 October 8:30AM to 5:00PM - 2019, Pacific/Port_Moresby
Port Moresby, Papua New Guinea
### Results of Self-Assessment Tool

**Level of capacity**

<table>
<thead>
<tr>
<th>Category</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reporting national greenhouse gas inventory</td>
<td>65%</td>
</tr>
<tr>
<td>Reporting progress made in implementing NDCs</td>
<td>47%</td>
</tr>
<tr>
<td>Reporting on climate change impacts and adaptation</td>
<td>35%</td>
</tr>
<tr>
<td>Reporting financial, technology transfer, and capacity-building support needed and received</td>
<td>58%</td>
</tr>
</tbody>
</table>
COUNTRY INFORMATION

PAPUA NEW GUINEA
Melanesia

RATIFICATION OF UNFCCC

KYOTO PROTOCOL

PARIS AGREEMENT

TOTAL GHG EMISSIONS PER SECTOR

<table>
<thead>
<tr>
<th>Year 2015</th>
<th>UNIT</th>
<th>GG CO2 Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENERGY</td>
<td>11,806.28</td>
<td>PETAJOULES</td>
</tr>
<tr>
<td>INDUSTRY</td>
<td>35.29</td>
<td></td>
</tr>
<tr>
<td>AGRICULTURE</td>
<td>796.00</td>
<td></td>
</tr>
<tr>
<td>LAND USE CHANGE AND FORESTRY</td>
<td>1,716.51</td>
<td></td>
</tr>
<tr>
<td>WASTE</td>
<td>872.50</td>
<td></td>
</tr>
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TRANSPARENCY INFORMATION

Submitted National Communications
2002
2015

Submitted Biennial Update Reports
2019

NATIONAL CLIMATE POLICY

Submitted Nationally Determined Contributions

<table>
<thead>
<tr>
<th>Date</th>
<th>NDC Target Type</th>
<th>NDC Target</th>
<th>NDC Target Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-03-24</td>
<td></td>
<td>2030</td>
<td></td>
</tr>
</tbody>
</table>

Long-term Strategies
Pending

National Adaptation Plans
Pending

POPULATION

2017
8,251.00 THOUSANDS

GDP PER CAPITA

2015
2,797.60 CURRENT US$

ENERGY PRODUCTION

2014
114.00 PETAJOULES

Source: UN Data

Source: UN Data

Source: First BUR

Source: UN Data

Source: UN Data

Source: UN Data
OTHER TRANSPARENCY INITIATIVES IN THE COUNTRY

No other transparency initiatives created yet