I. Introduction

West Pacific East Asia Oceanic Fisheries Management project (WPEA OFM) has been carried out in Vietnam since early 2010 throughout executive implementation agency of Department of Capture Fisheries and Resources Protection (DECAFIREP). The main objective of the project is to strengthen national capacities and international cooperation on priority trans-boundary concerns relating to the conservation and management of highly migratory fish stocks in the West Pacific Ocean and East Asia including Indonesia, Philippines and Vietnam. As planned on Annual Work Plan – Year 1 & 2 that was agreed between WCPFC and DECAFIREP in the early 2011, most of project’s activities were focused on two components. The first component is to relate on legal, policy and institutional issues and the second one is to focus on capacity building for tuna data collection systems in Vietnam.

Several training workshops have been conducted by both international experts (SPC staffs) and local staffs (DECAFIREP) to guide for local enumerators and supervisor on how to collect tuna fisheries in Vietnam for longline, gill net and purse seine. The project has been only implemented in the first year and thus, data collection system has been just established for tuna longline fishery. However, there is an intention to expand data collection for tuna gillnet and purse seine fisheries since July 2011.

II. Monitoring, data enhancement and fisheries assessment

From July (in Phu Yen province) 2010 to March 2011, tuna longline fishery data collection systems have been established at three central provinces in Vietnam (Binh Dinh, Phu Yen and Khanh Hoa) and tuna longline data collection activities have been implemented since then. Some of relevant outcomes of the scientific data collection activities were also submitted to WCPFC for regional stock assessments (see Annual report-Part I). Number of collected samples by different types of data was indicated in Table 1.
Table 1. Total collected samples by different types of data throughout sampling periods

<table>
<thead>
<tr>
<th>Types of data</th>
<th>2010 (Jul)</th>
<th>2010 (Sep)</th>
<th>2010 (Oct)</th>
<th>2010 (Nov)</th>
<th>2010 (Dec)</th>
<th>Total in 2010</th>
<th>2011 (Jan)</th>
<th>2011 (Feb)</th>
<th>2011 (Mar)</th>
<th>Total in 2011</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unloading</td>
<td>266</td>
<td>40</td>
<td>162</td>
<td>44</td>
<td>120</td>
<td>632</td>
<td>263</td>
<td>267</td>
<td>158</td>
<td>688</td>
<td>1,320</td>
</tr>
<tr>
<td>Logsheet</td>
<td>0</td>
<td>0</td>
<td>102</td>
<td>34</td>
<td>20</td>
<td>156</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>159</td>
</tr>
<tr>
<td>Port sampling</td>
<td>103</td>
<td>20</td>
<td>76</td>
<td>15</td>
<td>54</td>
<td>268</td>
<td>65</td>
<td>107</td>
<td>42</td>
<td>214</td>
<td>482</td>
</tr>
<tr>
<td>Observer (trips)</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

III. Policy, institutional strengthening and fishery management

In 2010, a consultancy activity was conducted to review and recommend necessary reform measures on legal, policy and institutional arrangements for tuna fisheries management of Vietnam in the light of WCPFC’s requirements. A consultancy report has been produced together with necessary recommendations to reform national legal, policy and institutional arrangements.

In 2011, a national tuna management plan has been scheduled to develop in order to manage more effectively for Vietnam’s tuna fisheries. As scheduled, the national tuna management plan will be completed in the end 2011 and will be ready to submit to Vietnamese Government at that time.

IV. Status of project activities (July 2010 – June 2011)

<table>
<thead>
<tr>
<th>Activity title</th>
<th>Commencement and Completion Date</th>
<th>Description of the activity and outputs</th>
<th>Proposed budget (US $)</th>
<th>Current status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Review of Vietnam’s policy, legal and institutional arrangements in light of WCPFC requirements (including a workshop and a legal consultancy contract)</td>
<td>May – June 2010</td>
<td>• Local legal consultants hired&lt;br&gt;• Consultancy report produced&lt;br&gt;• A workshop convened together with workshop’s recommendations produced</td>
<td>10,726</td>
<td>Completed</td>
</tr>
<tr>
<td>2. Tuna fisheries data collection</td>
<td>July 2010 – March 2011</td>
<td>• Port sampling procedure conducted for longline fishery&lt;br&gt;• National logsheet programme conducted for longline fishery&lt;br&gt;• Enumerators from Sub-DECAFIREP recruited&lt;br&gt;• Office facilities equipped</td>
<td>27,150</td>
<td>Completed</td>
</tr>
<tr>
<td>3. Observer program</td>
<td>Dec 2010 – Apr 2011</td>
<td>• Trip report produced&lt;br&gt;• Summary report produced&lt;br&gt;• Scientific data submitted</td>
<td>9,260</td>
<td>Completed</td>
</tr>
<tr>
<td>Activity Description</td>
<td>Date</td>
<td>Details</td>
<td>Budget</td>
<td>Status</td>
</tr>
<tr>
<td>----------------------</td>
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</tr>
</tbody>
</table>
| 4. Study tour | 20 – 25 Nov 2010 | • Trip report produced  
• Skills of local staffs enhanced. | 12,690 | Completed |
| 5. Review workshop and field trip | 11-16 Nov 2010 | • Progress in data collection in the longline fishery reviewed and revised  
• Information for the purse seine and gillnet fisheries in order to establish data collection systems obtained | 5,672 | Completed |
| 6. Continuation of port sampling | August 2011 – July 2012 | • Port sampling procedures to be continued to conduct  
• Data collection for gillnet and purse seine fisheries implemented  
• National logsheet programme conducted for longline fishery  
• Enumerators from Sub-DECAFIREP recruited  
• Office facilities equipped  
• Data collected and installed into database | 36,000 | On-going |
| 7. Workshop for the internal training of enumerators to implement data collection for gillnet and purse seine fisheries | 21 – 22 March 2011 | • Port sampling procedures for gillnet and purse seine fisheries understood (data collection forms and sampling protocols);  
• Enumerators/samplers trained;  
• Data collection systems established;  
• Workshop report produced, attached with a list of staff involved in port sampling and their contact information; | 4,376 | Completed |
| 8. Allowance for NTC | June 2010 – June 2011 | • All activities related to the project coordinated;  
• Outputs of the project managed;  
• All project related reports produced;  
• Annual report-Part 1 produced and submitted;  
• Progress report produced; | 12,000 | On-going |
| 9. Participation at the | 18-22 April 2011 | • Total catch estimation | N/A | Completed |
| Fifth Tuna Data Workshop (TDW-5) | methods understood;  
| | • Trip report produced. |
| 10. Participation at the Stock Assessment, Data and Ecosystem Monitoring Training Workshop (SAW) | 27 June – 5 July 2011 | • Skills about stock assessment enhanced;  
| | • Trip report produced | N/A | Completed |
| 11. Workshop and local consultancy agreement to develop NTMP | 11-12 July 2011 | • A flow chart of elements to be considered in the NTMP produced;  
| | • A schedule to develop and implement the NTMP established;  
| | • An outline of the NTMP produced | 15,192 | On going |

V. Issues and problems

- Lack of human resources: number of staffs of DECAFIREFP are very limited and thus it is very difficult to allocate suitable person to implement the project’s activities;

- Lack of collaboration mechanisms among responsible management agencies (port authorities vs Sub-DECAFIREFP);

- Challenges on data collection especially on logsheet program. This is due to lack of raising awareness for fishing industries/communities and thus sometimes they did not collaborate with local authorities;

- Protocols for data collection were not fully understood and thus it was caused some unexpected results (incorrect data form filling, missed information);

- Lack of legal frameworks to implement tuna fisheries data collection;

- There is an urgent need to expand sampling sites to other provinces for gill net and purse seine fisheries;

- Some local agencies have not understood importance of tuna fisheries data collection and thus, they were ignored with data collection work.