



## ASEAN Cooperation Project Report

For multiyear projects:

**Annual Interim Report**

*(complete section A)*

After end of project:

**Completion Report**

*(complete section B)*

### 1. PROJECT DETAILS

**Project Identification Code:** AGF/CRO/11/007/REG

**Project Title:** Taxonomic capacity building to support market access for agricultural trade in the ASEAN region

**Sponsoring ASEAN Body:** ASEAN Working Group on Crops

**Implementing Agency's Name and Address:**

ASEAN Plant Health Cooperation Network of the ASEANET, Malaysia

**Contact Person and Contact Details:**

Dr. Lum Keng Yeang – Project Manager ([ky.lum@cabi.org](mailto:ky.lum@cabi.org))

Dr. Soetikno S. Sastroutomo – Technical Secretary ([s.soetikno@cabi.org](mailto:s.soetikno@cabi.org))

APHCN-ASEANET, c/o CABI SEA, MARDI Complex, P.O. Box 210 UPM Post Serdang, Selangor, 43400 Malaysia Phone: +60-3-89432921/3641, Fax: +60-3-89426490

**Funding Source:** Japan-ASEAN Integration Fund (JAIF) EEA Part A

**Approval Date:** 21<sup>st</sup> April 2015

**Approved Project Budget:** USD 892,736.40

**Commencement Date:** 2<sup>nd</sup> May 2015

**Date of Disbursement:** 8<sup>th</sup> June 2015

Reason(s) for Deviation, if applicable:

**Planned Completion Date:** 30<sup>th</sup> April 2017

**Completion Date:** 31<sup>st</sup> March 2019

Due to several technical reasons, especially the availability of our Japanese resource persons, the project, with the approval from the JAIF Management Team and ASEAN Secretariat, has been extended twice, i.e. from 30<sup>th</sup> April 2017 to 30<sup>th</sup> June 2018 and from 1<sup>st</sup> July 2018 to 31<sup>st</sup> March 2019.

**Report Prepared By:** Soetikno and KY Lum

**Date of Report Preparation:** 8<sup>th</sup> March 2019

## SECTION A: ANNUAL INTERIM REPORT

### Budget Spent:

#### 2. PROJECT PROGRESS

##### (a) Progress in Implementation

*(describe the progress and, if applicable, highlight any problems or challenges that could endanger completion of the project)*

##### (b) Progress towards Achievement of Objective

*(provide brief assessment of the likelihood in achieving the objective and, if applicable, highlight the difficulty)*

##### (c) Plan Adjustments

*(if applicable, describe reasons for any changes made to the project objective and activities)*

##### (d) Budget Implications

*(if applicable, describe any budget implication of the Plan Adjustments)*

### Annex A.1: Annual Financial Report

*(use the financial report template Annex A of the Project Financial Disbursement and Reporting/PFDR)*

### Annex A. 2: Output Documents

*(attach the documents only to the extent necessary or helpful to understand the report content such as list of participants or workshop proceedings)*

## SECTION B: COMPLETION REPORT

#### 3. PROJECT RESULTS

##### (a) Direct Beneficiaries

The direct beneficiaries of the project are the plant health personnel (67 officers through the training workshops and 9 officers through the attachment program) of AMS who support key food security and market access-related activities. These include plant quarantine, monitoring and inspection, pest surveillance and pest list development, measuring 67 participants to the training workshops and study visit, and 9 participants at the more in-depth attachment programs. Indirectly, the confidence built as a result of the hands-on training and exposure to more advanced plant health technologies and systems through attachments and visits will benefit existing national systems within the AMS and encourage a cascading effect within national systems in improving capacity and efficiency in related support services.

##### (b) Achievements (see Table 1 as attachment)

Results	Indicators		Reasons for deviations
	Planned	Achieved	
<b>OBJECTIVE 1:</b> To increase the capacity of ASEAN plant health officers			

<p>in diagnostic skills for accurate and timely diagnosis and identification of pests and diseases which underpins the development and maintenance of robust pest lists, and to provide key skills needed in monitoring and surveillance, and border inspection systems.</p>			
<p><b>Output 1:</b> Training Workshop on Diagnostic of Plant Viruses</p>	<p>1.1. Twenty participants from 10 AMS identified  1.2. Resource persons (Japan and ASEAN) identified  1.3. Training Workshop program prepared and finalised  1.4. Training materials prepared  1.5. Implementation of Training Workshop  1.6. Pre- and Post-evaluation conducted  1.7. Training report prepared  1.8. Training Manual prepared</p>	<ul style="list-style-type: none"> <li>• Attended by 19 participants from 9 AMS. No participant from Singapore.</li> <li>• At least 7 resource persons involved in the training workshop (Philippines – 5; Japan- 1 and Indonesia 1.</li> <li>• Training Manual produced (see <a href="#">Annex B2.1</a>)</li> <li>• Training Report produced (see <a href="#">Annex B2.2</a>)</li> <li>• Manual for Diagnostics of Plant Viruses produced (see <a href="#">Annex B2.3</a>)</li> </ul>	<p>a)The reason for Singapore not sending participant was that they were having Accreditation of their laboratories at the same time.  b)Indonesia sending one additional paying participant as observers</p>
<p><b>Output 2:</b> Training Workshop on Diagnostic of Leafminers of Agricultural Importance</p>	<p>2.1. Twenty participants from 10 AMS identified  2.2. Resource persons (Japan and ASEAN) identified  2.3. Training Workshop program prepared and finalised</p>	<ul style="list-style-type: none"> <li>• Attended by 20 participants from 10 AMS.</li> <li>• At least 5 resource persons involved in the training workshop (Japan- 1 and Indonesia- 3 and Australia- 1)</li> <li>• Training Manual produced (see <a href="#">Annex B2.4</a>)</li> </ul>	<p>a) All costs of resource person from Australia was supported by AANZ-FTA Program (AusAID)</p>

	<p>2.4. Training materials prepared</p> <p>2.5. Implementation of Training Workshop</p> <p>2.6. Pre- and Post-evaluation conducted</p> <p>2.7. Training report prepared</p> <p>2.8. Training Manual produced</p>	<ul style="list-style-type: none"> <li>• Training Report prepared (see <a href="#">Annex B2.5</a>)</li> </ul>	
<p><b>Output 3:</b> Training Workshop on Diagnostic of Weevils of Quarantine Importance</p>	<p>3.1. Twenty participants from 10 AMS identified.</p> <p>3.2. Resource persons (Japan and ASEAN) identified</p> <p>3.3. Training Workshop program prepared and finalised</p> <p>3.4. Training materials prepared</p> <p>3.5. Implementation of Training Workshop</p> <p>3.6. Pre- and Post-evaluation conducted</p> <p>3.7. Training report prepared</p> <p>3.8. Training Manual produced</p>	<ul style="list-style-type: none"> <li>• Attended by 19 participants from 10 AMS.</li> <li>• At least 5 resource persons involved in the training workshop (Japan- 1 and Philippines- 4)</li> <li>• Training Manual produced (see <a href="#">Annex B2.6</a>)</li> <li>• Training Report prepared (see <a href="#">Annex B2.7</a>)</li> </ul>	<p>a). The original training was to be on “Diagnostics of Aphids of Agricultural Importance” with resource person, Prof. S. Akimoto from Hokkaido University. When he became the Dean of Faculty of Agriculture, he was very busy with administrative matters in addition to his academic tasks. Therefore, he declined to be a resource person and to coordinate the training. Our request to change the topic to Weevils of Agricultural Importance was approved by JAIF MT and ASEC on 18th October 2016.</p> <p>b). The reason for Singapore only sending 1 participant was</p>

			that they only have limited entomologists working on weevils.
<b>Output 4:</b> Study visit to Japan Nation SPS/Plant Health Laboratories cum Training Workshop on the Identification of Fruitflies	<p>4.1. Ten participants from 10 AMS identified.</p> <p>4.2. Resource persons from Japan identified</p> <p>4.3. Study Visit program prepared and finalised</p> <p>4.4. Implementation of the Study Visit</p> <p>4.5. Training report prepared</p>	<ul style="list-style-type: none"> <li>• Participated by 8 officers from 8 AMS and ASEANET as the coordinator</li> <li>• At least 5 Japanese resource persons involved in the training workshop</li> <li>• Training Manual prepared (see <a href="#">Annex B2.8</a>)</li> <li>• Training Report produced (see <a href="#">Annex B2.9</a>)</li> </ul>	<p>Brunei and Singapore did not send any participants. Government approval Brunei nominated participant.</p> <p>This activity was not in the approved project but additional through special approval from ASEC and JMT, see Point 3 (c) of the Report.</p>
<b>Output 5:</b> Attachment Program on Diagnostic of Plant Viruses	<p>5.1. Three participants from the Training Workshop selected following on from Output 1</p> <p>5.2. Resource person(s) from Japan identified</p> <p>5.3. Tentative program for the attachment prepared and finalised.</p> <p>5.4. Implementation of the attachment</p> <p>5.5. Attachment report prepared by participants</p> <p>5.6. Attachment report prepared for submission to ASEC</p>	<ul style="list-style-type: none"> <li>• One participant each from Indonesia, Malaysia and Vietnam completed the attachment.</li> <li>• At least 3 Japanese resource persons involved in the program.</li> <li>• The program successfully implemented.</li> <li>• Attachment Report prepared by three participants and Japanese coordinator (see <a href="#">Annex B2.10-13</a>).</li> <li>• Attachment report used in the Progress Report to ASEC.</li> </ul>	<p>Originally, the approved budget for the attachment program was for 3 months. However, due to the availability of lab facilities and Japanese resource persons, i.e. available only during the winter vacation, therefore the program was shortened to 2 months only.</p>

<p><b>Output 6:</b> Attachment Program on Diagnostic of Leafminers of Agriculture Importance</p>	<p>6.1. Three participants from the Training Workshop selected following on from Output 2</p> <p>6.2. Resource person(s) from Japan identified</p> <p>6.3. Tentative program for the attachment prepared and finalised.</p> <p>6.4. Implementation of the attachment</p> <p>6.5. Attachment report prepared by participants</p> <p>6.6. Attachment report prepared for submission to ASEC</p>	<ul style="list-style-type: none"> <li>• One participant each from Malaysia, Singapore and Thailand completed the attachment, 2 in Japan and 1 in Indonesia.</li> <li>• At least 8 Japanese and 4 Indonesian resource persons involved in the program.</li> <li>• The program successfully implemented.</li> <li>• Attachment Report prepared by three participants, Japanese and Indonesian coordinators (see <u>Annex B2.14-18</u>). Attachment report used in the Progress Report to ASEC.</li> </ul>	<p>It was unanimously decided by resource persons during the training that one participant from Malaysia should work on "Natural enemies of leafminers" and therefore the attachment was organized in Indonesia and NOT in Japan.</p>
<p><b>Output 7:</b> Attachment Program on Diagnostic of Weevils of Quarantine Importance</p>	<p>7.1. Three participants from the Training Workshop selected following on from Output 3</p> <p>7.2. Resource person(s) from Japan identified</p> <p>7.3. Tentative program for the attachment prepared and finalised.</p> <p>7.4. Implementation of the attachment</p> <p>7.5. Attachment report prepared by participants</p>	<ul style="list-style-type: none"> <li>• One participant each from Indonesia, Thailand and Vietnam completed the attachment.</li> <li>• The Japanese resource persons, coordinator (NODAI) and collaborator (MAFF) conducted the program.</li> <li>• The tentative program of the attachment prepared and finalized.</li> <li>• The attachment program</li> </ul>	

	7.6. Attachment report prepared for submission to ASEC	<p>implemented successfully</p> <ul style="list-style-type: none"> <li>Attachment Report prepared by three participants Japanese and Indonesian coordinators (see Annex B2.19-22). Attachment report used in the Progress Report to ASEC.</li> </ul>	
<p><b>Objective 2:</b> To support Objective 1, systematic information sharing, dissemination and mainstreaming/ institutionalization of taxonomic knowledge on pests &amp; diseases in the educational and public awareness systems as part of the ARDN will be vital to sustain the achievements of the project.</p>			
<p><b>Output 1:</b> Developed expertise register i.e., a database of individual experts and diagnostic laboratories available to the Network (e.g. name of experts, contact details and particular expertise, laboratories that provides diagnostic work and assistance, etc.).</p>	<p>1.1. List of experts (in the AMS and international) identified and prepared Database of experts prepared and uploaded on the web.</p>	<ul style="list-style-type: none"> <li>There is a total of 194 experts who have attended taxonomy and capacity building workshops. Their expertise span across several pests and diseases.</li> <li>The expert register list is accessible from the following link: <a href="http://aseanet.org/Login.asp?f=ER">http://aseanet.org/Login.asp?f=ER</a></li> <li>The login credentials User: expert Password: regist3r</li> </ul>	
<p><b>Output 2:</b> Developed a website to include, e.g.</p>	<p>2.1. JAIF Project website</p>	<ul style="list-style-type: none"> <li>The address of the JAIF project</li> </ul>	

<p>expert register (from ASEAN and from anywhere in the world), major pests &amp; diseases of potential crops in the ASEAN , diagnostic resources and tools, e-application for diagnostic services, etc.</p>	<p>prepared under ASEANET</p> <p>2.2. Training workshop &amp; attachment program activities and reports uploaded</p> <p>2.3. Reference materials from resource persons and regional scientists uploaded</p> <p>2.4. Training manuals uploaded</p>	<p>website under ASEANET is as follows:</p> <p><a href="http://aseanet.org/JAIF1.asp">http://aseanet.org/JAIF1.asp</a></p> <ul style="list-style-type: none"> <li>• The website is updated whenever there are new activities to report, documents and other media to upload.</li> <li>• The backend of the website is updated, tested and backed up monthly to ensure the integrity of the data.</li> <li>• Several additions to the functionality of the content management system (CMS) have been incorporated from time to time.</li> </ul>	
<p><b>Output 3:</b> Developed promotional materials, e.g. flyers, posters, data-sheets, stickers, standard presentation, etc. and also printing the training reports</p>	<p>3.1. Draft JAIF project flyer prepared, printed and distributed</p> <p>3.1. Standard presentation prepared and used in the training workshops</p>	<ul style="list-style-type: none"> <li>• 500 copies printed and 275 copies distributed.</li> <li>• Standard presentation prepared and used in training activities (JAIF and non-JAIF) 100 copies of the training reports printed and distributed to the meeting of ASEAN EWGPS and Project Steering Committee meeting.</li> </ul>	
<p><b>Objective 3:</b> To implement the project activities, project monitoring</p>			



<p>and evaluation effectively through Project Steering Committee Meetings, M&amp;E Surveys and Progress Reports</p>			
<p><b>Output 1:</b> Project Steering Committee (PSC) established and PSC meeting organised.</p>	<p>1.1. Project Steering Committee members established</p> <p>1.2. PSC Meeting organized</p> <p>1.3. Report of the PSC Meeting prepared and uploaded into the web</p> <p>1.4. Decisions of PSC implemented</p>	<ul style="list-style-type: none"> <li>• 1st PSC Meeting organized and TOR for PSC members established.</li> <li>• 1st PSC Meeting Report prepared (<a href="#">Annex B2.23</a>).</li> <li>• PSC Recommendations for training activities to be implemented in the project was included in Phase 2 Proposal.</li> <li>• 2nd PSC Meeting was organized in February 2019 and the report is given as <a href="#">Annex B2.24</a>.</li> </ul>	
<p><b>Output 2:</b> M&amp;E surveys conducted using standard questionnaires from ASEC and ASEANET</p>	<p>2.1. Two questionnaires for M&amp;E prepared</p> <p>2.2. Questionnaires distributed to ex-participants</p> <p>2.3. Completed questionnaires received and analyzed Survey reports prepared and submitted to ASEC in the progress report</p>	<ul style="list-style-type: none"> <li>• 2 Questionnaires from the project and one questionnaire from ASEC have been prepared for M&amp;E.</li> <li>• All questionnaires sent to ex-participants of the attachment program and training workshops.</li> <li>• Survey results collated, reports prepared and used in the Progress Report to ASEC and JMT (<a href="#">Annex B2.25</a> and <a href="#">B2.26</a>).</li> </ul>	

<p><b>Output 3:</b> Six-monthly report of project activities and expenditures prepared.</p>	<p>3.1. At least 4 progress reports prepared for submission to ASEC.</p>	<p>Eight progress reports (Technical and Financial) of the project have been prepared and submitted to ASEC and JMT (<u>Annex B2.27 to 34</u>). One more to be completed after the 2nd PSC Meeting (Final Project Meeting)</p>	<p>The implementation of project activities has been delayed due to changes, mostly in resource persons and in the training workshop topic. The project, therefore, with the approval from the JAIF Management Team and ASEAN Secretariat, has been extended twice, i.e. from 30th April 2017 to 30th June 2018 and from 1st July 2018 to 31st March 2019.</p>
<p><b>Output 4:</b> Final Project Report (Technical and Financial) prepared.</p>	<p>Final Project Report prepared for submission to ASEC and ASEAN EWGPS</p>	<p>Final Project Report covering the 3 components (Technical and Financial) submitted to ASEC.</p>	<p>The preparation of Final Project Report has been delayed (see 3.1.).</p>

### (c) Plan Adjustments

Most of the reasons for the changes and delays in the implementation of project activities have been discussed in Table 1 (Reasons for Deviations) except for Objective 1, Output 4.

As of 30th May 2017, we have accumulated a project savings to a total of about US\$230,000. – We proposed an additional activity on “Study visit to Japan national SPS/Plant Health laboratories cum Training workshop on the Identification of Fruit Flies” under the current project (the total proposed budget for this activity is US\$ 169,872. -). This activity was endorsed, together with other proposed activities (in total 10 activities) as priority, by the 18th Meeting of the ASEAN EWG-PS held in Vientiane, Lao PDR from 18-19 July 2016. This list has been communicated and discussed with our counterparts in Japan during our visit in August 2016, and specifically for the above with Ms. Akiko Nagano (MAFF) and Prof. Keiko Natsuaki (TUA). They proposed that the activities on “Identification of fruit flies by molecular techniques” and on “Study visit to SPS/Plant Health laboratories and entry points in Japan” be combined into one activity as they only have limited resource persons available, and two weeks per activity is a bit too long. In addition, this proposal has been discussed in great detail with the Japanese counterparts and they have already come up with a proposed program for implementation in November 2017. The proposal for this study visit was submitted to ASEC and JMT and it was approved in 19<sup>th</sup> July 2017.

#### (d) Project Outcome

Project outcome contributes directly to the implementation of the ASEAN Economic Community (AEC) Blueprint 2015, primarily facilitating free and safe trade. The development of human capital in plant health and quarantine, effectively narrows the development gap; and strengthening AMS relationships as well as ASEAN's relationship with its external parties.

#### 4. PROJECT SUSTAINABILITY

Project activities have all been targeted at building human capital. With almost seventy AMS plant health officers receiving training and exposure to new technologies and plant health systems, this new knowledge and confidence will translate into improvements in their own national systems, thus building sustainability.

#### 5. OVERALL PROJECT ASSESSMENT

- Human capital development in plant health in the form of the usual one to two weeks practical training typically offered by donor agencies is definitely re-enforced by follow-up attachment programs for selected individuals. This creates focal and reference points to support sustainability of the transfer of technologies and skills.
- To narrow the development gap in plant health systems of AMS requires a continuing emphasis on human resource development, fulfilled partly by external assistance and partly by ASEAN governments themselves through the use of trained individuals.
- Global plant health and quarantine systems evolve with the adoption of new technologies; AMS must keep abreast of new requirements and tailor their human capital development accordingly.

#### 6. FINANCIAL ANALYSIS

	Planned	Actual	Variance
Total Project Revenue:	892,354.10	756,755.41	135,598.69
Other Contributions*:	12,700.00	12,700.00	0
Total Eligible Project Costs:	905,054.10	769,455.41	135,598.69
Total Balance:			135,598.69

\*Contributions from AusAID (USD 10,000) and ASEANET (USD 2,700).

*(based on the table, provide an overview of planned and actual project revenues, expenditure, and variances)*

#### Annex B.1 – Project Financial Report

*(use the financial report template Annex A of the Project Financial Disbursement and Reporting/PFDR)*

#### Annex B 2 – Output Documents

Annex B2.1- Training Workshop on Diagnostics of Plant Viruses – Manual  
Annex B2.1-Training Workshop on Diagnostics of Plant Viruses – Manual

Annex B2.2-Training Workshop on Diagnostics of Plant Viruses – Report

Annex B2.3-Diagnostic Manual of Plant Viruses

Annex B2.4 - Training Workshop on Diagnostics of Leafminers – Manual

Annex B2.5 - Training Workshop on Diagnostics of Leafminers – Report  
 Annex B2.6 - Training Workshop on Diagnostics of Weevils – Manual  
 Annex B2.7 - Training Workshop on Diagnostics of Weevils – Report  
 Annex B2.8 - Study Visit to Japan Nation SPS Plant Health Laboratories – Manual  
 Annex B2.9 - Study Visit to Japan Nation SPS Plant Health Laboratories – Report  
 Annex B2.10- Attachment Program on Diagnostics of Plant Viruses - Prof. Natsuaki  
 Annex B2.11- Attachment Program on Diagnostics of Plant Viruses - Indonesian Report  
 Annex B2.12- Attachment Program on Diagnostics of Plant Viruses - Malaysian Report  
 Annex B2.13- Attachment Program on Diagnostics of Plant Viruses - Report from Vietnam  
 Annex B2.14-Attachment Program on Diagnostics of Leafminers - Report of Dr. Sato  
 Annex B2.15-Attachment Program on Diagnostics of Leafminers - Singapore Report  
 Annex B2.16-Attachment Program on Diagnostics of Leafminers - Thailand Report  
 Annex B2.17-Attachment Program on Parasitoids of Leafminers - Report of Prof. Rosichon  
 Annex B2.18-Attachment Program on Parasitoids of Leafminers - Malaysian Report  
 Annex B2.19-Attachment Program on Weevils -Prof. Natsuaki  
 Annex B2.20-Attachment Program on Weevils - Thailand Report  
 Annex B2.21-Attachment Program on Weevils -Vietnam Report  
 Annex B2.22-Attachment Program on Weevils -Indonesia Report  
 Annex B2.23- Report of 1st PSC Meeting  
 Annex B2.24 – Report of 2<sup>nd</sup> and Final Project Meeting  
 Annex B2.25- 1st M&E Report (ASEC)  
 Annex B2.26 - 2nd M&E Report (ASEANET)  
 Annex B2.27-JAIF\_1st\_ProgressReport  
 Annex B2.28 – JAIF 2<sup>nd</sup> Progress Report  
 Annex B2.29 – JAIF 3<sup>rd</sup> Progress Report  
 Annex B2.30 – JAIF 4<sup>th</sup> Progress Report  
 Annex B2.31 – JAIF 5<sup>th</sup> Progress Report  
 Annex B2.32 – JAIF 6<sup>th</sup> Progress Report  
 Annex B2.33 – JAIF 7<sup>th</sup> Progress Report  
 Annex B2.34 – JAIF 8<sup>th</sup> Progress Report

*Information below to be completed by ASEC*

Financial Completion Report (including the budget proposal,  
 financial summary, financial report and attachments) :

Additional Output Documents attached, i.e. list of participants,  
 agenda, programme of activities, proceedings/summary  
 record, operational manuals, etc. :