

Association of Southeast Asian Nations Plus Three

Bioenergy and Food Security in ASEAN

Project Final Meeting Summary- FAO Project TCP/RAS/3402

12/1/2014

Bioenergy and food security in ASEAN

Summary of the FAO Bioenergy and Food Security (BEFS) in ASEAN project Final Meeting

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Meeting Summary

Introduction

1. The Food and Agriculture Organization of the United Nations (FAO) Bioenergy and Food Security (BEFS) in ASEAN (Project TCP/RAS/3402) Final Meeting was held on 18 – 19 December 2014 in Bangkok, Thailand. The working agenda for the meeting is provided in **Annex 1**.
2. The meeting was attended by a number of representatives of AMS, including selected SOM-AMAF delegates, pilot country focal points, and national technical experts. Additional presentations, materials, and meeting support were provided by FAO RAP staff, the GBEP Secretariat, and project consultants. The full list of participants is provided in **Annex 2**.

Welcome Remarks

3. In his opening remarks, Dr. Tin Htut, SOM-AMAF/SOM- AMAF Plus Three Chair, Ministry of Agriculture and Irrigation, Myanmar, thanked FAO for its continued involvement with ASEAN, especially in regards to bioenergy and food security issues. He stressed the need for all the ASEAN Member States to collaborate more and share their knowledge for the betterment of national growth and the region. Finally, he offered SOM-AMAF's continued support of the project activities and further involvement through the ASEAN Secretariat.
4. In his welcoming address, Dr. Vili Fuavao, Deputy Regional Representative for Asia and the Pacific, FAO, thanked the ASEAN Secretariat, SOM-AMAF representation and technical staff, and regional experts for their attendance at the final meeting. He also noted the potential impact bioenergy development can have on a number of issues, including food security, rural livelihoods, and the environment. However, it was also mentioned that the ASEAN region has recognized these issues and have been utilizing FAO's BEFS Approach through pilot country activities to address these concerns. He welcomed the feedback and recommendations on the project activities and Regional Framework by all the participants during the upcoming sessions, and looked forward to continuing the collaboration between FAO and ASEAN well into the future.
5. FAO introduced the program for the following two days, including the meeting presentation format, objectives, and proposed outcomes. The main outlined objectives of the meeting were:
 - Review the BEFS in ASEAN project and main activities;
 - Review and discuss the pilot country activities and developments utilizing the BEFS Approach;
 - Receive updates on bioenergy status and development from other participating AMS;
 - Introduce more information on the BEFS Rapid Appraisal and GBEP methodologies and tools available from FAO;
 - Present the draft ASEAN BEFS Framework;

- Review, discuss, and provide feedback and recommendations on the Regional Framework through breakout groups; and
- Agree point-to-point on recommendations for improving the Regional Framework.

Session 1 BEFS in ASEAN project review

6. The Meeting noted the FAO Project staff presentation on the main activities, materials, and outcomes completed to date with the technical cooperation project TCP/RAS/3204 titled ‘Bioenergy and Food Security in ASEAN.’ This included information on the Inception Meeting; the three pilot countries of Cambodia, Indonesia, and the Philippines; capacity building exercises; national Roadmap development; BEFS Country Briefs; the Regional Policy Overview; NAMA study and private investment report; the Practical Action Consulting Small-Scale Bioenergy Initiatives report, and the BEFS ASEAN draft Regional Framework. This was followed by supporting information provided by Dr. Pham Quang Minh, Assistant Director / Head of the Agriculture Industries and Natural Resources Division, the ASEAN Secretariat. In his address to the participants, Dr. Minh supported the work of FAO on a Regional Bioenergy and Food Security Framework, recommending that it fall in-line with the ASEAN Integrated Food Security Framework and utilize the existing ad-hoc Working Group on food security and climate change as a starting point.
7. During the discussion session, a number of questions were raised, mainly concerning national interests with the AMS. The representative from Cambodia noted that the Ministry of Agriculture, Forestry and Fisheries Framework and existing Working Group should be utilized for future activities. Indonesia noted that the recent change in government had made it difficult to organize activities, given the shuffling of Ministries and coordination. ASEC inquired about the need to involve all of ASEAN +3 with the Framework revisions, and Cambodia also recommended circulating the revised draft to all of ASEAN +3 as soon as possible. Additionally, the Philippines requested FAO representation to come and present the final Roadmap and Regional Framework to the National Biofuels Board in March.

Session 2 Establishment of national BEFS strategies

8. The Meeting noted the presentations by Mr Edi Wibowo, Head of Engineering and Environment of Bioenergy Division, Ministry of Energy and Mineral Resources, Indonesia; and Ms. Rosemarie Gumera, Manager III, Planning & Policy Department, Sugar Regulatory Administration, Department of Agriculture, Philippines. Mr. Wibowo gave a presentation on the formulation of the national BEFS Roadmap including the existing Ministerial policies, plans and strategies; future direction; Priority Areas of the Ministry of Agriculture and overall BEFS Roadmap; cross-cutting priorities; coordination mechanism; and resources. Ms. Gumera gave her presentation on the BEFS Rapid Appraisal testing. This included information on the number of plants, production costs, net present value, and labour requirements for oil palm-based biodiesel, coconut-based biodiesel, sugarcane-based ethanol, and cassava-based ethanol. This also included recommendations such as intensification, removal of investment barriers, and outgrower schemes. SVO and gasification results were also examined, including recommendations for expansion of these electrification alternatives and utilization of other biomass residues.

9. During discussion participants inquired about regulations and policies in place by the two countries and how they affected bioenergy development. In Indonesia, mandates for biodiesel blending are to be revised by 2016, and a new renewable energy strategy will be in place in January 2015. In the Philippines, the National Biofuels Board and National Renewable energy Board are binded by legal frameworks, so will exist even with changes in government. There are also restrictions on the types of cassava that can be grown in the Philippines, mainly for toxic varieties. Data for the BEFS Rapid Appraisal testing in the Philippines was a combination of FAOSTAT data, Philippine Statistics Authority, and national data.

Session 3(a,b) Establishment (con't) and ASEAN +3 country status update

10. The Meeting noted the presentations given by Dr. Prum Somany, Deputy Director, Department of International Cooperation, Ministry of Agriculture, Forestry, and Fisheries in Cambodia; Dr. Rangsit Poosiripinyo, Director, Bureau of International Agricultural Economics Organization: Office of Agricultural Economics in Thailand; and Dr. Tin Htut, SOM-AMAF/ SOM-AMAF Plus Three Chair, Ministry of Agriculture and Irrigation in Myanmar; Mr. Jumat Bin Fauzi, Research Officer, Malaysian Agricultural Research and Development Institute; and Dr. Hien Pham Dinh, Official, International Cooperation Department, Ministry of Agriculture and Rural Development in Viet Nam. All presentations gave an update to the current bioenergy situation in each respective country. Cambodia gave an overview of the agricultural and energy sectors, various bioenergy applications being utilized, needs and opportunities, and the Action Plan for bioenergy development. Thailand also gave an overview of the energy sector, current bioenergy development, the Renewable Energy Roadmap, and challenges and opportunities for sustainable bioenergy development. Myanmar gave an informal presentation on the current situation in the country, focusing on the need for strong policy direction to encourage bioenergy development and reduce poverty. They also recognized the need for land reform and policy review, as well as the need to further investigate the roles mechanization, irrigation, and technology can play to enhance development. Malaysia gave an update of the current policy situation and production levels; the feedstocks utilized in bioenergy production, challenges and barriers, capacity building requirements, and cross-cutting issues involved with sustainable development. Viet Nam presented on the current agriculture and food security status, energy situation, bioenergy development and potential, difficulties encountered, and suggestions on how to proceed (including legal frameworks, international cooperation, and technology exchange).
11. During discussions, a number of points were raised based on the varying needs of the ASEAN Member States. The level of bioenergy development is different for each AMS, and this leads to multifaceted approaches to the needs at national level. It was also noted that bioenergy development is multi-sectoral, and the need for solid coordination mechanisms is imperative. This can either be accomplished through the establishment of a dedicated Working Group on bioenergy, or through an existing mechanism. Again, this is up to each individual country depending on their specific needs. It was also noted that any Regional Framework needs to be helpful to all AMS.
12. Day One concluded with a wrap-up of the day's presentations and main points to consider, and information on how Day Two would proceed. Main points noted were

the different levels of bioenergy development in each national context, the need for greater communication and coordination between all stakeholders at both national and regional levels, and how all of the information provided could help enhance the draft ASEAN BEFS Framework.

Session 4 (a,b) Draft ASEAN Bioenergy and Food Security (BEFS) Framework

13. The Meeting noted the presentations given by Mr. Ewan Bloomfield, Rwanda Country Manager and International Energy Consultant, Practical Action Consulting; Mr. Marco Colangeli, Global Bioenergy Partnership (GBEP) Task Force on Sustainability, FAO Rome; and Mr. Matthew Leete, BEFS in ASEAN +3 Regional Project Coordinator, FAO Bangkok. Mr. Bloomfield presented on the PAC Small-Scale Bioenergy Initiatives report, which focused on small-scale projects in the ASEAN +3 region. The report details the 8 initiatives identified and studied, including the location, feedstocks, bioenergy technology utilized, indicators, market mapping, and barriers and opportunities to replication and scale-up. Mr. Colangeli presented on the BEFS Rapid Appraisal tool and GBEP indicators, respectively. The BEFS RA presentation focused on how the Excel-based tool worked at national level, including the structure, process, and data requirements required to gauge the potential of various bioenergy technologies and feedstocks. The GBEP presentation gave an overview of the partners and observers involved with the initiative, the list of 24 sustainability indicators, and an example of how the testing was carried out in Indonesia. Both presentations also exemplified how the BEFS Approach, the BEFS Rapid Appraisal, and GBEP Indicators can all be used together to enhance both technical assessment and policy formation. Mr. Leete then presented the draft ASEAN BEFS Framework, which included detailed information on the background, context, national Roadmaps from the three pilot countries, and how the BEFS Approach was utilized to form the Priority Areas, activities, outcomes, monitoring, and coordination mechanism included in the draft Framework.
14. During discussions it was noted that small-scale initiatives have worked throughout the region with little to no impact on food security. It is important to utilize agricultural wastes and residues, as well as identify potential alternative biomass resources, such as non-food crops. The participants also recognized the need to harmonize regulations and standards. This must happen at the national level first, as the potential to perform this harmonization at regional level requires further investigation. It was also noted that a participatory approach has been effective in the past, especially if both technology and financial stakeholders are consulted.

Session 5 ASEAN BEFS Framework review

15. The Meeting noted the change in structure to breakout groups. The purpose of the group discussions was to review the draft Framework in detail and recommend improvements and changes based on national experiences with bioenergy development in AMS. The two breakout groups each discussed what parts of the Framework were appropriate, and exchanged ideas on how to enhance the language, Priority Areas, activities, institutions involved, outcomes, monitoring indicators, and coordination mechanism. Participants were encouraged to write down their recommendations on worksheets handed out during the session and return these sheets to the meeting

organizers for further analysis. Following the detailed discussions, participants met at plenary to share their ideas with all of the meeting attendees. The draft ASEAN BEFS Framework is available in **Annex 3**.

Session 6 Finalization and endorsement of ASEAN BEFS Framework and next steps

16. During the final session the two breakout groups presented their findings to the rest of the participants. Each group gave their ideas on what parts of the Framework needed further enhancement and which parts were deemed necessary. They also provided specific language, activities, indicators, and stakeholders that needed to be included based on national development.

As a final step, the participants were asked to agree on point-to-point aspects of the Framework. They are as following:

- In general, participants agreed that there was a need for a Regional Framework focusing on bioenergy and food security for the region;
- They also agreed that the Investment Objective, Institutional Arrangement, and the need for Capacity Building for all of the Objectives were imperative to make a Regional Framework successful;
- The participants agreed that the Sustainable Enhancement Objective 1, Monitoring Indicators, Outcomes, and Activities for all three Objectives needed to be enhanced or improved based on the recommendations given on the worksheets;
- The recommendation of using of ASEAN terminology was also noted;
- The participants agreed that a glossary, list of abbreviations, additional column on outputs, and Timeframe needed to be added to the draft Framework; and
- All of the above have to be in-line with the upcoming ASEAN Economic Community Integration.

Finally, the meeting noted that the draft ASEAN BEFS Framework would be revised based on all of the recommendations and re-circulated to all of the participants for additional feedback before being submitted to SOM-AMAF and SOME +3. Any further feedback, recommendations, and enhancements would then be made by FAO before being provided to SOM-AMAF ahead of their upcoming annual meeting in 2015, during which time endorsement for the Framework would be sought.

Annex 1: Agenda

BEFS in ASEAN project- Final Meeting

Time	Session content- Day One
8:30-9:00	Registration
9:00-9:15	Welcome <ul style="list-style-type: none"> Opening address by Dr. Htut, SOM-AMAF Leader Myanmar Opening remarks by Dr. Vili Fuavao DRR, FAO RAP
9:15- 10:30	Session 1: BEFS in ASEAN project review <ul style="list-style-type: none"> Summary of BEFS in ASEAN project: activities, outcomes, next steps- <i>Matthew Leete, BEFS in ASEAN project coordinator</i> BEFS in ASEAN: perspectives from ASEC- <i>Dr. Pham Quang Minh, Assistant Director, Agriculture Industries and Natural Resources Division , The ASEAN Secretariat</i> <p>Followed by question & answer/discussion session</p>
10:30- 10:45	<i>Coffee Break</i>
10:45-12:00	Session 2: Establishment of National BEFS Strategies: Pilot Country presentations of activities, barriers, and opportunities <ul style="list-style-type: none"> Indonesia- <i>Mr. Edi Wibowo, Ministry of Energy</i> Philippines- <i>Rosemarie Gumera, SRA Dept. of Ag.</i> <p>Followed by question & answer session</p>
12:00-13:30	<i>Lunch</i>
13:30-15:00	Session 3a: Update of ASEAN +3 Country Status in Bioenergy Development <ul style="list-style-type: none"> 3 ASEAN +3 countries present on current bioenergy development status, barriers and opportunities, and additional support required <ul style="list-style-type: none"> Cambodia- <i>Dr. Prum Somany, Ministry of Ag</i> Thailand Myanmar <p>Followed by question & answer session</p>
15:00-15:15	<i>Coffee Break</i>
15:15-16:15	Session 3b: Update of ASEAN +3 Country Status in Bioenergy Development (con't) <ul style="list-style-type: none"> 2 ASEAN +3 countries present on current bioenergy development status, barriers and opportunities, and additional support required <ul style="list-style-type: none"> Malaysia Viet Nam <p>Followed by question & answer session</p>

16:15- 16:30	Wrap-up of Day One <ul style="list-style-type: none"> Short summary of day one outcomes and focus of day two
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Time	Session content- Day Two
8:30-9:00	Registration
9:00-10:30	Session 4a: Presentation of draft ASEAN Bioenergy and Food Security Framework <ul style="list-style-type: none"> Small-Scale Bioenergy Initiatives in ASEAN +3- <i>Ewan Bloomfield, PAC</i> <p>Followed by question & answer/discussion session</p>
10:30- 10:45	<i>Coffee Break</i>
10:45-12:00	Session 4b: Presentation of draft ASEAN Bioenergy and Food Security Framework (con't) <ul style="list-style-type: none"> FAO BEFS Rapid Appraisal: Framework support- <i>Marco Colangeli, GBEP</i> GBEP: Framework monitoring and evaluation- <i>Marco Colangeli, GBEP Indonesia project</i> ASEAN Bioenergy and Food Security Framework in detail- <i>Matthew Leete, BEFS in ASEAN project coordinator</i> <p>Followed by question & answer/discussion session</p>
12:00-13:30	<i>Lunch</i>
13:30-15:30	Session 5: Draft ASEAN Bioenergy and Food Security Framework Detail Review <ul style="list-style-type: none"> Formation of breakout groups Instructions on topics of discussion <p>Review of the details of the draft ASEAN Bioenergy and Food Security Framework by sections/chapters through breakout groups</p> <ol style="list-style-type: none"> Structure of framework Assessment of activities, indicators Coordination mechanism Timeframe
15:30-15:45	<i>Coffee Break</i>
15:45- 17:00	Session 6- Finalization and endorsement of ASEAN Bioenergy and Food Security Framework and Next Steps <p>Breakout groups come together for discussions on the finalization and endorsement</p>

	<p>of ASEAN Bioenergy and Food Security Framework, including the discussion for next steps</p> <ul style="list-style-type: none"> • Each group reports back on breakout session findings • Short group presentations on Regional Framework feedback • Final discussion on recommendations and way forward
17:00-17:15	<p>Meeting Close</p> <p>Closing remarks by SOM-AMAF Leader</p>

Annex 2: Participants List

No.	Name	Title	Organization	Country	Email
1	Mr Vili A. Fuavao	Deputy Regional Representative for Asia and the Pacific	FAO Regional Office for Asia and the Pacific	Thailand	Vili.Fuavao@fao.org
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3	Mr Matthew Leete	Regional coordinator	FAO Regional Office for Asia and the Pacific	Indonesia	Matthew.Leete@fao.org
4	Mr Marco Colangeli	GBEP Task Force on Sustainability	Food and Agriculture Organization (FAO)	Italy	Marco.Colangeli@fao.org
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7	Mr Mam Somony	Vice Chief	of Animal Production Office of the Department of Animal Health and Production	Cambodia	somonymam@gmail.com

8	Dr Pham Quang Minh	Assistant Director/Head	the Agriculture Industries and Natural Resources Division , The ASEAN Secretariat	Indonesia	pham.minh@asean.org
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14	Mr Inthadom Akkharath	Director	Division of Economic Integration, Department of Planning and Cooperation, MAF	Lao PDR	iakkharath@yahoo.com

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Annex 3: draft ASEAN BEFS Framework

Regional Framework Objective	Follow-up actions	Institution responsible	Outcome	Monitoring Indicators
Objective 1: Food and Energy Security- Enhance Production & Utilization	<ul style="list-style-type: none"> • Implement climate-smart agriculture & Farmer Field Schools • Coordinate with research institutions on improved varieties, seeds, technologies • Link with private sector, development agencies on waste-to-energy technologies 	<ul style="list-style-type: none"> • FAO • AMS, AP3, ASEC, FAO, universities, research centers, etc. • ASEC, FAO, SNV, ADB, UNDP, etc. 	<ul style="list-style-type: none"> • Increased agricultural production • Improved research, development, and deployment • More effective waste utilization 	<ul style="list-style-type: none"> • Measurement of overall sectoral production • Measurement of yields, processing, and agricultural utilization • Number of biogas, gasification projects
Objective 2: Investment- Encourage Incentives	<ul style="list-style-type: none"> • Formulate regional bioenergy policy guidelines • Investigate national policies on public-private spending on bioenergy projects • Reform policies on trade and pricing of bioenergy resources and products 	<ul style="list-style-type: none"> • ASEC, FAO, AMS, AP3 • AMS, AP3, ASEC, FAO, ADB, etc. • AMS, AP3, ASEC, FAO 	<ul style="list-style-type: none"> • Guidelines promote increased investment in bioenergy • Public-private partnerships foster bioenergy incentives and increase awareness • Transparent trade policies and pricing schemes secure long-term investment in the bioenergy sector 	<ul style="list-style-type: none"> • Specific bioenergy policy creation in AMS • Increased PPP investment • Biofuel producer and consumer prices, reformed trade policies
Objective 3: Information- Improve Data & Information Systems	<ul style="list-style-type: none"> • Implement regional BEFS Rapid Appraisal study • Coordinate region-wide bioenergy education & information campaign • Link data and information from FAO, ASEAN, & other stakeholders via web-based platforms 	<ul style="list-style-type: none"> • FAO • ASEC, FAO, institutions, etc. • FAO, ASEC, ADB 	<ul style="list-style-type: none"> • ASEAN-wide biomass assessment • Increased awareness of bioenergy resources, technologies, and incentives • Availability and access to data on bioenergy for all AMS and AP3 	<ul style="list-style-type: none"> • BEFS Rapid Appraisal data collection • Publications, reports, campaigns, educational materials • Data availability on FAO, ASEAN websites