

**UNITED NATIONS ENVIRONMENT PROGRAMME  
UNEP-DTIE-IETC**

In collaboration with the Global Environment Centre Foundation (GEC)

**Regional Workshop on  
Waste Agricultural Biomass  
(2<sup>nd</sup> – 5<sup>th</sup> March 2010)**

**AGENDA**

<b>DAY 1</b> Closed Sessions	<b>Tuesday, 2nd March</b> (UNEP/GEC Building, Osaka – Japan)
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08 50 – 09 00	Registration	
09 00 – 09 20	Welcome Remarks by UNEP and GEC	Mr. Takehiro Nakamura (UNEP-DTIE-IETC) Mr. Kazuhiko Mitsuoka (GEC)
09 20 – 09 30	Outline of the Workshop	UNEP-DTIE-IETC
09 30 – 10 15	Baseline Information from Nepal	Mr. Amar B Manandhar
10 15 – 10 45	Discussions and Feedback to Nepal	All participants
10 45 – 11 15	Photo Session & Tea Break	
11 15 – 12 00	Baseline Information from Pakistan	Dr. Rasool Bux Mahar
12 00 – 12 30	Discussions and Feedback to Pakistan	All participants
12 30 – 13 30	Lunch	
13 30 – 14 15	Baseline Information from Philippines	Mr. Alan S Cajes
14 15 – 14 45	Discussions and Feedback to Philippines	All participants
14 45 – 15 15	Tea Break	
15 15 – 16 00	Baseline Information from Sri Lanka	Ms. Geehanthie Weerasinghe
16 00 – 16 30	Discussions and Feedback to Sri Lanka	All participants
16 30 - 17 00	Summary of the Day	UNEP-DTIE-IETC

**DAY 2**  
Closed Sessions**Wednesday, 3rd March** (UNEP/GEC Building, Osaka – Japan)

09 00 – 09 45	Nepal Outline of Pilot Project Options for Technology	Mr. Amar B Manandhar
09 45 – 10 30	Discussions and Feedback to Pilot Project in Nepal	All participants
10 30 – 11 00	Tea Break	
11 00 – 11 45	Pakistan Outline of Pilot Project Options for Technology	Dr. Rasool Bux Mahar
11 45 – 12 30	Discussions and Feedback to Pilot Project in Pakistan	All participants
12 30 – 13 30	Lunch	
13 30 – 14 15	Sri Lanka Outline of Pilot Project Options for Technology	Ms. Geehanthie Weerasinghe
14 15 – 15 00	Discussions and Feedback to Pilot Project in Sri Lanka	All participants
15 00 – 15 30	Tea Break	
15 30 – 16 15	Philippines Outline of Pilot Project Options for Technology	Mr. Alan S Cajes
16 15 – 17 00	Discussions and Feedback to Pilot Project in Philippines	All participants
17 00 - 17 30	Summary of the Day	UNEP-DTIE-IETC

**DAY 3**  
Open Sessions

**Thursday 4<sup>th</sup> March** (UNEP/GEC Building, Osaka - Japan)

08 50 – 09 00	Registration	
09 00 – 09 10	Welcome Remarks	Mr.Nakamura/Mr.Chandak (UNEP-DTIE-IETC) Mr.Katsuichi Mochizuki (GEC)
09 10 – 09 20	Introduction of Participants	All Participants
09 20 – 9 40	Overall Information of Waste Agricultural Biomass Projects	Mr. Surya Chandak (UNEP-DTIE-IETC)
09 40 - 10 00	Briefing on the project in Nepal	Mr. Amar B Manandhar
10 00 - 10 20	Briefing on the project in Pakistan	Dr. Rasool Bux Mahar
10 20 - 10 40	Briefing on the project in Philippines	Mr. Alan S Cajés
10 40 - 11 00	Briefing on the project in Sri Lanka	Ms. Geehanthie Weerasinghe
11 00 –	Working Tea	
11 00 – 11 30	Information on Waste Palm Trees in Malaysia	Dr. Wan Asma Wan Ibrahim
11 30 – 12 00	Technology for Waste Palm Trees Conversion	Dr. Yutaka Mori
12 00 – 13 00	Lunch	
13 00 – 13 30	Discussions and Feedback on Waste Palm Trees in Malaysia	Dr. Othman Sulaiman All participants
13 30 – 14 00	UNEP-IETC Project – Waste Plastics Conversion & Linkages with Waste Agricultural Biomass Projects	Dr. Yoichi Kodera (Advanced Industrial Science and Technology)
14 00 – 14 30	Biomass Town Concept in Japan	Dr.Tohru Kodama (Japan Organics Recycling Association, Japan/ University of Tokyo)
14 30 – 15 00	Development of biomass utilization in Kansai area collaborating with METI	Mr. Shigeaki Fujikawa (Kinki Biomass Industry Development Organization)
15 00 – 15 30	Utilization of waste biomass in urban-rural context	Dr. Keishiro Hara (Osaka University)
15 30 – 16 00	Tea Break & Photo Session	
16 00 – 16 30	Biomass Programme by Hiroshima University	Dr. Yutaka Nakashimada (Hiroshima University)
16 30 – 17 00	Technology and innovation for production of cellulosic biofuels	Dr. Hideaki Yukawa (Research Institute of Innovative Technology for the Earth)
17 00 – 17 30	Biomass Project by GEC	Mr. Yoshihiro Mizutani (GEC)
17 30 – 18 00	Phosphorus material flow and its recovery from wastewater and solid waste in Japan	Dr. Masaki Takaoka (Kyoto University)
18 00 – 18 30	Next Steps & Closing Remarks	Mr. Surya Chandak (UNEP-DTIE-IETC)
18 30 -	Reception @ 1F Atrium	

<b>DAY 4</b> Open Sessions	<b>Friday 5<sup>th</sup> March</b> (UNEP/GEC Building, Osaka →Yagi Bio-ecology Center, Kyoto –Japan)
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09 00 – 10 45	Interface Session	All Participants
10 45	Briefing on Field Visit	GEC
11 00	Departure from GEC	
11 05 – 12 00	Lunch	
14 00 – 16 00	Field Visit to Yagi Bio-ecology Centre	All Participants
	<ul style="list-style-type: none"> <li>• Introduction by staff</li> <li>• Visit to the Methane facility and the Composting facility</li> </ul> <p>*The Center is entirely self-sufficient in terms of electric power. The animal waste is methane-fermented to generate “biogas,” which is used to generate electric power. You can also learn the composting process.</p>	
16 00	Departure from Yagi Bio-ecology Centre	
18 00	Return to Hotel Keihan Kyobashi	