



Biomass-Asia Workshop

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Panel Discussion Participants

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Panel Discussion 1

Biomass Availability (1): Sustainable Biomass Production and Utilization: Potential and Possibilities

Chair	<ul style="list-style-type: none"> • Dr. Akinori Noguchi (Vice President, Japan International Research Center for Agricultural Sciences (JIRCAS), Japan)
Panelists	<ul style="list-style-type: none"> • Dr. Chareinsak Rojanaridpiched (Executive Committee Member, Thai Tapioca Development Institute / Professor, Department of Agronomy, Faculty of Agriculture, Kasetsart University, Thailand) Biomass Production of Cassava (Manihot Esculenta Crantz) • Mr. Conrado S. Heruela (Consultant, FAO Regional Office for Asia and the Pacific) Issues in Assessing Biomass Energy Resources: The Case for Developing Countries • Dr. Koh Mok Poh (Forest Research Institute of Malaysia) Oil Palm Waste for Energy Utilization in Malaysia • Assoc. Prof. Nguyen Tien Nguyen (Advisor to the Research Center for Energy and Environment, Vietnam's Union of Science and Technology Association, Vietnam) Rice Husk Potential and Utilization in Vietnam • Dr. Preecha Prammanee (Senior Agronomist(sugarcane), Field Crops Research Institute, Department of Agriculture, Thailand) Availability of Sugarcane Biomass in Thailand
Commentators	<ul style="list-style-type: none"> • Dr. Akira Sugimoto (Director, National Agriculture Research Center for Kyushu and Okinawa Regions, Japan) • Dr. Ir. Darnoko (Head of Research Department, Indonesian Oil Palm Research Institute, Indonesia) • Dr. Robin Bourgeois (ISDB Programme Leader, United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP), Center for Alleviation of Poverty through Secondary Crops Development in Asia and the Pacific (CAPSA)) Comments: Sustainable Biomass Production and Utilization: Potential and Possibilities Towards Pro-poor Biomass Development in Rural Asia

Panel Discussion 2

Biomass Fuel for Vehicles

Chair	<ul style="list-style-type: none"> • Dr. Paritud Bhandhubanyong (Director, National Metal and Materials Center, Thailand)
Panelists	<ul style="list-style-type: none"> • Mr. Adisak Wangphonsawasd (President, Ford Motor Company, Thailand) • Dr Ma Longlong (President Assistant, Guangzhou Institute of Energy Conversion, Chinese Academy of Sciences) Development of Liquid Fuels from Biomass in China • Dr. Nguyen Xuan Chuan (President, Society of Mechanical Engineers of Vietnam, Vietnam) Development of Biofuels to 2015 Vision 2020 • Dr. Olivia la O Castillo (Chair/President, Asia-Pacific Roundtable for Cleaner Production (APRCP), Philippines) Renewable Resources and Energy in the Philippines • Captain Dr. Samai Jai-in (R&D Director, Naval Development Department, Royal Thai Navy, Thailand) • Dr. Shinichi Goto (Group Leader, Clean Power System Group, Energy Technology Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Japan) Standardization and Upgrading of Biodiesel Fuel Quality

Panel Discussion 3

Biomass Availability (2): How to Utilize Woody Biomass in Southeast Asia

Chair	<ul style="list-style-type: none"> • Dr. Nikhom Laemsak (Associate Dean for Research, Kasetsart University, Thailand)
Panelists	<ul style="list-style-type: none"> • Dr. Chu Fuxiang (Vice-President, Chinese Academy of Forestry, China) Utilization of Woody Biomass in China • Ms. Denny Irawati (Gadjah Mada University, Indonesia) Woody Biomass Potential as a Source of Energy in Indonesia • Mr. Hiroyfumi Kuboyama (Senior Research Scientist, Forestry and Forest Products Research Institute (FFPRI), Japan) Status and Problems of Wood-Biomass Utilization in Japan • Dr. Koh Mok Poh (Forest Research Institute of Malaysia, FRIM) Current Status of Biomass Utilization in Malaysia • Dr. Pham Chuong Van (Dean, Faculty of Wood Technology, Vietnam University of Forestry, Vietnam) Prospect of Woody Biomass Utilization from Plantation Resources in Vietnam

Panel Discussion 4 R&D for Future Bioenergy

Chair	<ul style="list-style-type: none"> • Dr. Kinya Sakanishi (Director, Biomass Technology Research Laboratory, AIST, Japan)
Panelists	<ul style="list-style-type: none"> • Dr. Akira Yabe (Director, AIST Chugoku, Japan) Economical Evaluation of Wooden Biomass Energy Utilization System for Producing Liquid Fuel • Dr. Jie Chang (Director of Biomass Fuel Lab / Professor, Guangzhou Institute of Energy Conversion (GIEC), Chinese Academy of Sciences (CAS), China) Dimethyl Ether Production from Biomass • Dr. Nuna Encarnacion Almanzor (Director, Industrial Technology Development Institute (ITDI), Department of Science and Technology, Phillipines) Biomass Energy and R&D Framework of ITDI • Dr. Unggul Priyanto (Director of Energy Resources Development Technology, BPP Teknologi (The Agency for Assessment and Application of Teknologi), Indonesia) Palm Oil as Diesel Fuel • Prof. Montri Chulavatnatol (Director, Agricultural Research Development Agency (ARDA))

Panel Discussion 5 Biomass Utilization

Chair	<ul style="list-style-type: none"> • Dr. Peesamai Jenvanitpanjakul (Senior Expert and Acting Director of Environmental, Ecological and Energy Department, TISTR, Thailand)
Panelists	<ul style="list-style-type: none"> • Dr. Ahmad Ibarahim (Vice President, Research and Technology Division, SIRIM, Malaysia) Utilisation of Oil Palm Biomass: Malaysia's Experience • Dr. Bundit Limmeechokchai (Associate Professor, Energy Technology Program Sirindhorn International Institute of Technology, Thammasat University, Thailand) Biomass Power Generation Planning in Thailand: The Least-Cost Analysis and GHG Mitigation • Dr. Ken-ichi Tomizawa (Chief Researcher, Plant Molecular Physiology Laboratory, RITE, Japan) Forest Formation as Biomass Reproduction System • Dr. Seiichi Aiba (Group Leader, Research Institute for Innovation in Sustainable Chemistry, AIST Japan) Utilization of Biomass to Materials • Mr. Tran Minh Tuyen (Research Junior, Research Center for Energy and Environment, Vietnam) Biomass Utilization in Vietnam • Dr. Wirachai Soontornrangson (Researcher 7, TISTR, Thailand) Composite Construction Material from Fibrous Biomass: A Feasibility Study

Panel Discussion 6 LCA

Chair	<ul style="list-style-type: none"> • Dr. Atsushi Inaba (Director, Research Center for Life Cycle Assessment, National Institute of Advanced Industrial Science and Technology (AIST), Japan) • Dr. Pomthong Malakul (Cleaner Technology Advancement Program (CTAP), National Metal and Materials Technology Center (MTEC), Thailand)
Panelists	<ul style="list-style-type: none"> • Ms. Hsien Hui Khoo (National University of Singapore, Singapore) Life Cycle and Feasibility Study of Developing a High Yield Technology for Biomass-to-Charcoal Production in Singapore

	<ul style="list-style-type: none"> • Mr. Iwan Sutanto (Program Coordinator/President Director, PT.LUNTO BIOENERGI PRIMA, Indonesia) • Dr. Masayuki Sagisaka (Deputy Director, Research Center for Life Cycle Assessment, National Institute of Advanced Industrial Science and Technology (AIST), Japan) Outline of LCA on ASEAN Biomass Project • Ms. Norshidah Baharuddin (Environmental and Energy Technology Centre SIRIM Berhad, Malaysia) Characterisation of Global Warming Potential in the Production of Crude Palm Oil from Agriculture to Milling • Dr. Raymond R. Tan (Associate Professor of Chemical Engineering Director of Research & Graduate Studies, College of Engineering De La Salle University-Manila, Philippines) Life Cycle Aspects of Liquid Biofuel Use in the Philippines • Dr. Shabbir Hussaini Gheewala (Assistant Professor, The Joint Graduate School of Energy and Environment King Mongkut's University of Technology Thonburi, Thailand) Application of Life Cycle Approach for Bioenergy in Thailand
Commentators	<ul style="list-style-type: none"> • Dr. Christian Bauer (Project Manager, German LCI Network, Forschungszentrum Karlsruhe GMBH, Department for Technology Induced Material Flows (ITC-ZTS), Germany) • Mr. Mark Jacob Goedkoop (Director Pre Consultants B.V., Netherlands)

