



Biomass-Asia Workshop II

Panel Discussion: Life Cycle Assessment (LCA)

Chair by: Dr. Atsushi Inaba, AIST, Japan

Dr. Pomthong Malakul, MTEC, Thailand

Speakers: Ms. Khoo Hsien Hui, National University of Singapore, Singapore

Mr. Iwan Sutanto, PT.LUNTO BIOENERGY PRIMA, Indonesia

Dr. Masayuki Sagisaka, AIST, Japan

Ms. Norshidah Baharuddin, SIRIM, Malaysia

Dr. Raymond R. Tan, De La Salle University-Manila, Philippines

Dr. Shabbir Hussaini Gheewala, JGSEE, Thailand

Commentators: Dr. Christian Bauer, ITC-ZTS, Germany

Mr. Mark Jacob Goedloop, Pre Consultants B.V., Netherlands



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Wrap up: by co-chairs

- 1) LCA is now recognized to be a good tool to evaluate CO₂ emissions of the products and/or technologies in Asian countries.
- 2) Regarding the biomass utilization technologies, a few case studies have been conducted in Asian countries under the collaboration of Biomass-ASEAN project, which have been launched in 2004.
- 3) If we could calculate emissions not only CO₂ but also other substances and resource consumption, we will be able to evaluate the biomass technologies from more holistic view point. Inventory data of technologies may be needed in the Asian countries.
- 4) Especially, we have to evaluate the effect on the biodiversity by using biomass technologies, which might be a specific view point on LCA in the Asian countries.