



Biomass-Asia Workshop II

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

Chair by: A. NOGUCHI (JIRCAS)

Panelists

Dr. Chareinsak Rojanaridpiched (Thailand)

Mr. Conrado S. Heruela (FAO)

Dr. Koh Mok Poh (Malaysia)

Assoc. Prof. Nguyen Tien Nguyen (Vietnam)

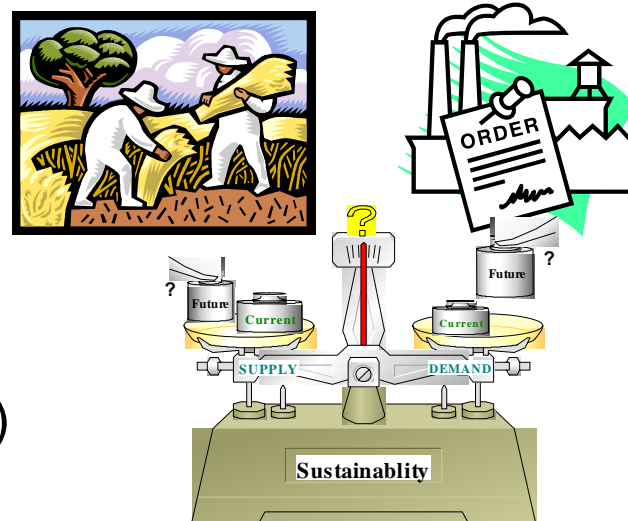
Dr. Preecha Prammanee (Thailand)

Commentators

Dr. Akira Sugimoto (Japan)

Dr. Ir. Darnoko (Indonesia)

Dr. Robin Bourgeois (UNESCAP, CAPSA)



1. Biomass resources (Rice, Sugarcane, Cassava and Oil palm)

(1) Amount (Distribution or concentration)

(2) Change in product yield as influenced by change in season

(3) Agricultural inputs necessary for crop production

(4) Product competition from the viewpoint of stable production or agricultural income

2. Selected promising biomass resources

(1) Problems on collection, delivery, and storage

(2) Pretreatment technology necessary for conversion to industrial materials

(3) Economic evaluation of raw materials prior to conversion

3. Future problems/issues



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- New varieties with higher yield
 - For example, higher cane yield prior to higher sugar content
- New cultivation techniques together with better natural resource management such as soil and water
- Assure sustainable management of agricultural lands
- Ensure benefits to small farmers
- Use local resources for local benefit first, then expand further
- Need to match technical options with local socio-economic conditions
- Inventory of knowledge, know-how, experience and practice

Conclusion and suggestion

- Biomass utilization is a real opportunity to combine the poverty alleviation and sustainable development of rural area, and will be a new way to achieve MDGs.
- Asian Biomass Consortium
 - advisory group for better scenarios, PDDs