

## **R&D on Bio-Fuel Production and Asian Biomass Strategy**

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Due to the rapid economic development and the large population in Asian countries, future increase in their energy consumption / greenhouse gas emission is apprehensively anticipated. Many of these Asian countries are rich in biomass resources. The potentials of biomass utilization are commonly understood with their impacts on the environment /society. Networking the organizations in Asian countries is very important for the sustainable biomass utilization both in terms of policies and of R&D in each country. Towards the future scenario and strategy for the sustainable biomass utilization in Asian countries, as a countermeasure against the global warming, more effective but sustainable biomass utilization technologies are to be established, contributing to the creation of local communities and their rural / forestry / fishery industries. Most adequate technologies should be developed to secure and apply sustainable biomass resources to meet the mutual requirements.

Biomass Technology Research Center (BTRC) of AIST has been conducting the technical developments and organizing the social system for biomass utilization to establish a sustainable society not only in Japan but also in the world in terms of the three important targets, which are described as follows; 1) Ethanol production from woody biomass; 2) Biomass to Liquids(BTL) process, and 3) Study on Biomass Total System.