
EXPLOITATION PLAN FOR EUROPEAN SMALL SCALE BIOMASS TECHNOLOGIES IN INDONESIA

The objectives

The islands of Indonesia show great potential for decentralised energy technologies for electricity as well as heat generation based on biomass. In particular, they could play an important role in meeting rural needs. Until now, however, reliable biomass technologies have not become widespread in Indonesia. The aim of this project was therefore to identify the key application and management of rural, biomass-based electricity schemes and to prepare the market for the introduction of EU biomass technologies in Indonesia.



The project

A detailed analysis of biomass potential in rural areas of Indonesia was coupled with a study of Indonesian market needs in this sector. An evaluation of the frame conditions required for biomass utilisation in Indonesia was carried out and a market strategy for European biomass technologies was developed. The available options for small and medium biomass technologies within Europe was reviewed, with the major EU actors identified. Based on these results, schemes appropriate for agro-industrial uses in rural Indonesia were developed, considering suitable financial and management tools.

The results: technical

Based on the results of the study, a business guideline "Biomass in Indonesia" was developed and distributed. This included an outline of the technical requirements for rural biomass developments. Two business workshops were also held in the UK and Germany, which presented the results of the study and furthered the exchange of information between business and decision makers in the biomass sector.

The results: economic, social & environmental

The guide provided important information for small and medium sized enterprises (SMEs) (biomass technology developers, manufacturers and suppliers) from the EU looking to enter the Indonesian market. The guide covered social and cultural issues, regulations related to the energy sector and existing frame conditions in Indonesia. It also outlined Indonesian market potential, support and financing options, and useful contact details. The workshops gave additional information and allowed informal debate on how to start up business in the biomass sector in Indonesia. This forum encouraged business cooperation, especially important for successful market penetration by SMEs.

Project partners

- Zentrum für rationelle Energieanwendung und Umwelt GmbH, Regensburg (D) (Co-ordinator)
- Bronzeoak Limited (UK)