



Promotion of Rural Renewable Energy in Western China



Introduction of Sino-Dutch Co-Project

Presentation for 2005 ETHOS

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Project Background

Project Title	Promotion of Rural Renewable Energy (RRE) in Western China
Project Number	CN012531
Implemented	China Association of Rural Energy Industry
Project Duration	9 January 2003 to 31 December 2007
Project Finance	<ul style="list-style-type: none">• EURO 5.3 million financial contribution granted by the Netherlands• RMB 11.8 million Matched Contribution from China



Development Objective

To contribute to poverty alleviation and environmental protection in rural areas of Western China.



Project Purpose

To promote the development of Rural Renewable Energy in Western China in order

- ◆ To improve the quality of energy supply to farmers living;
- ◆ To promote farmer's income growth and poverty alleviation;
- ◆ To ameliorate local ecological conditions ;
- ◆ To promote the realization of the strategy to develop western regions in China.



Project Components

- 0. Inception (*completed*)**
- 1. Capacity building**
- 2. Demonstration sites construction**
- 3. Technology transfer**
- 4. Dissemination**



Expected results

- Training of officials, managers, technicians and farmer technicians in rural renewable energy technology
- Development of the capacity of testing centres
- Improved website based dissemination capacity
- Demonstration sites constructed
- Transfer of biogas power generation technology from Europe to China
- Dissemination of project results leading to replication

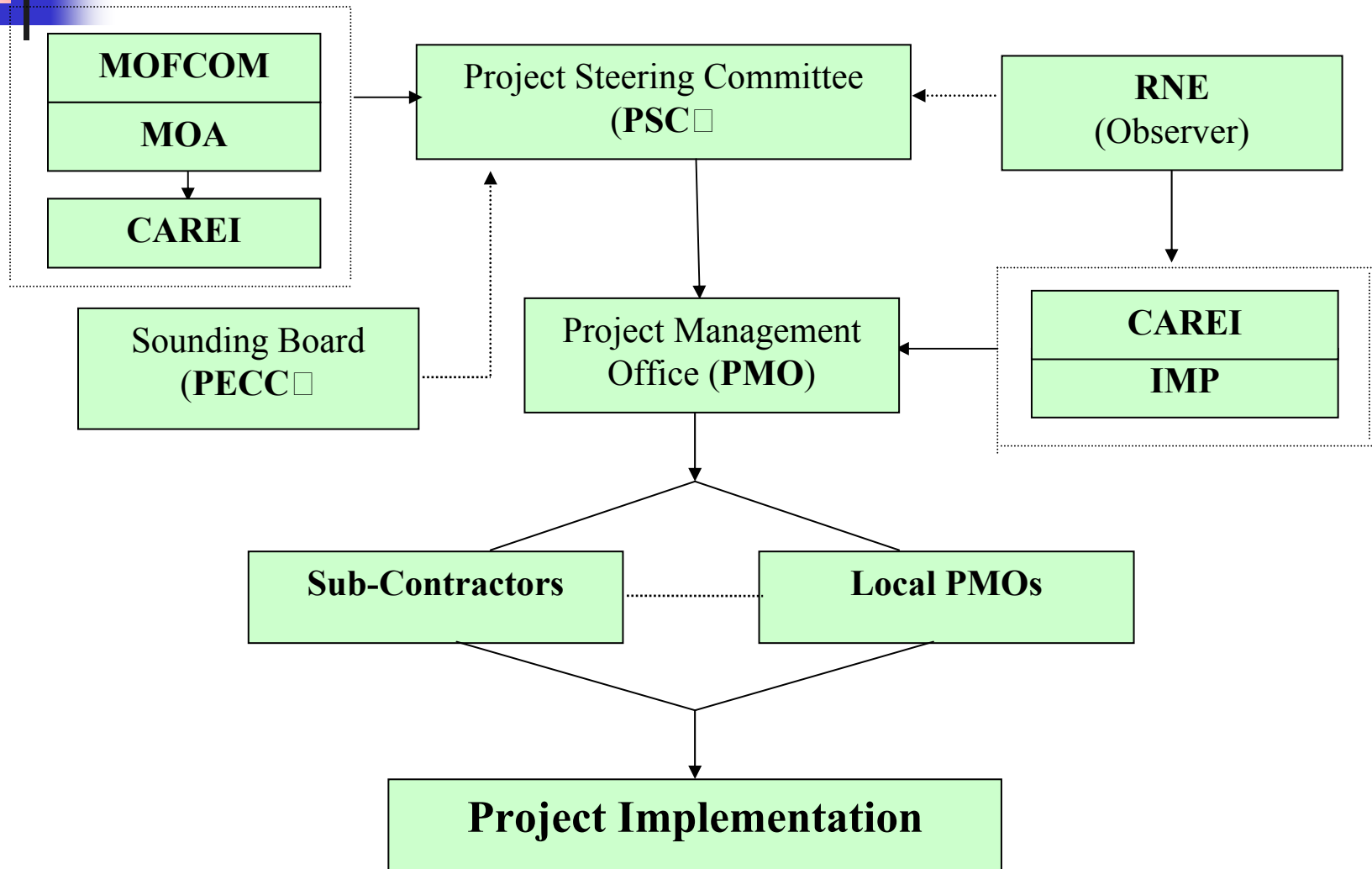


Target Groups

- Farmers and fishing households
- Local energy authorities and local organizations at fourteen demonstration sites and elsewhere
- Quality Supervision and Testing Centres
- Technical engineers and managers involved in the demonstration projects and elsewhere



Organization Structure



1. Capacity Building



Training





Visit Europe

Visit saving building





2. Demonstration sites construction

Technologies used as follows

- **Household biogas digester;**
- **Small scale biogas digester;**
- **Solar water heater;**
- **Greenhouse;**
- **Passive solar house;**
- **Solar livestock and poultry pen;**
- **Photovoltaic electricity generation;**
- **Micro hydropower power generation**
- **High efficient hollow-heated Kang;**
- **High efficient stoves;**
- **Small wind turbine power generation.**

Map of demo-sites



Construction of “Before” and “After”



Toilet



Kitchen



Construction of “Before” and “After”



Kitchen



Construction of “Before” and “After”



Kitchen



House



Construction of “Before” and “After”



Heating bed



Pig pen





3. Technology transfer

- Improvement biogas electricity generation technology in China
- Facilitating technology transfer from the Europe for demonstration of Chinese biogas electricity generation industries
- Disseminating the pilot project results in order to promote the replication within China.



4. Dissemination

To reach the following objectives:

- Improve awareness of renewable energy technology;
- Introduce advanced and mature technology of renewable energy;
- Promotion of the duplication of the demonstration projects;



*Thank
You*

