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AD – a Chinese Perspective

Li Jingming

Secretary General, China Biogas Society Chief, Division of Energy, Ecology and Environment Center for Science and Technology Development Chinese Ministry of Agriculture

> Department for Environment Food and Rural Affairs

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 Problems and pressure China has been confronted with: Population, development of TVE, higher energy demand and lower efficiency utilization.

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The focus on indoor air pollution control: more attention to reduce pollution related diseases of eyes and lungs, and improve our living environment and quality of life.





The need for social and economic sustainable development: It is closely relevant to poverty alleviation, health, education and gender issues.





The need for political and state security: China has signed international conventions such as the Rio Declaration and Climatic Change Protocol and made clear to the international community its commitments and responsibilities to ensure energy security.

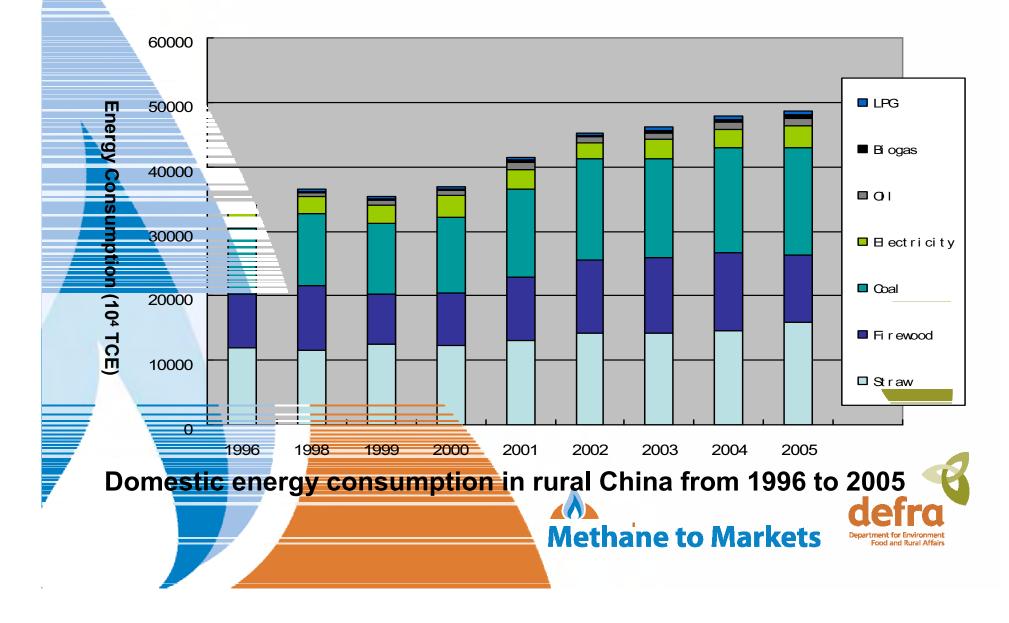
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The function of the Ministry of Agriculture is to improve agricultural productivity and to promote the sustainable development of agriculture and the rural economy as well as to increase farmers' real income.

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Government's Support

- Each leader of the Chinese central government has had concerns for rural energy development.
- Premier Wen Jiabao said on Feb 19, 2002: "Rural energy development not only provides domestic energy but also contributes to ecological environment protection. It is a significant and meaningful public welfare cause."

Laws and Policies

- Agricultural Law, 1993;
- China's 21 Century Agenda, 1993;
- Energy Conservation Law, 1997;
- the Fifteenth National Economy Development Plan and Program on Long-term Goals in 2010, 1998;
- Renewable Energy Law, 2005;
- No.1 Document of Central Government from 2004 2006;
- Long-term Program on Rural Energy Development prepared by MOA, 2006-2010;

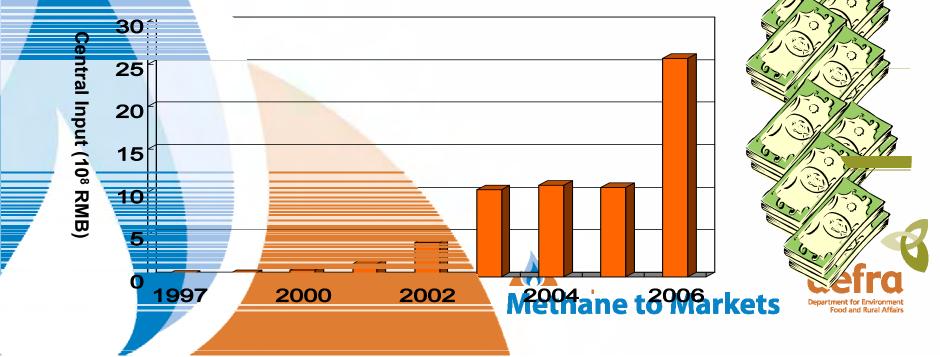
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Some local regulations and legislations.



Investment

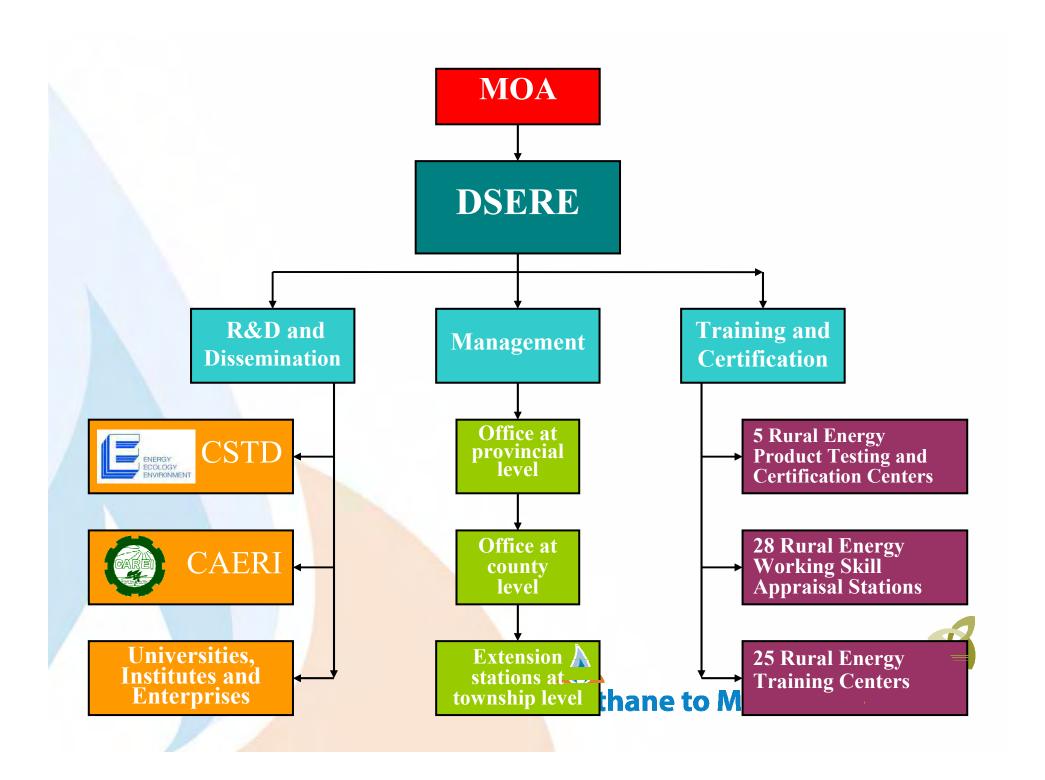
- In total nearly 6 billion RMB (~0.75 billion US\$) has been invested during the past decade;
- About 1 billion RMB (~0.12 billion US\$) has been supported by central government each year since 2003. From 2006, the central investment has been increased to 2.5 billion RMB.



Complete Framework

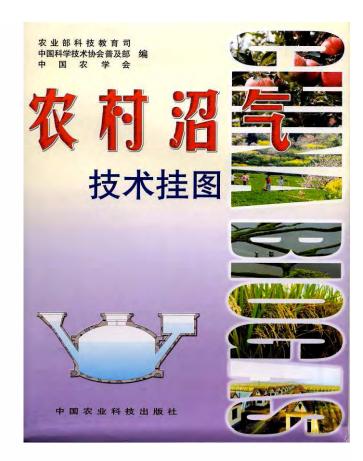
- Department of Science, Education and Rural Environment, Ministry of Agriculture is the top of the administration agency;
- 31 provinces (except Taiwan), 1900 counties and 8000 townships have offices or agencies;
- More than 50,000 staffs and 200,000 skilled technicians are working for the rural energy development;
- More and more institutes, universities, associations and enterprises have joined the team. All of them are our partners with good working relationships.

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Awareness and Education

- Training course organization;
- Education materials preparation;
- TV, radio and other media performances dissemination.







Conclusions

As an important part of energy construction, rural energy development has become a major element for China's rural social and economic sustainable development strategy;

Rural China enjoys rich renewable energy resources and many potential markets and users. It shall make considerable contribution to the global GHG emission reduction;

 Biogas could provide much profit and improve both energy provision and the environment, therefore the biogas development has not only input by farmers or private sectors themselves, but also by governments and the public;



Conclusions

Biogas development must be combined with economy, social, ecology and health improvements. Otherwise, it will not be developed continuously;

Maintenance and training are very important issues, it's extremely necessary to establish a service framework;

China has a long history of biogas development, almost 30 years. Therefore, we would like to give a higher contribution to other developing countries by sharing our experiences, available technologies, products and skilled personnel resources, since there are a lot of similar situations between Asian countries, including social, economic and natural aspects.

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Thanks

Tel: 86 10 64195137 Fax: 86 10 64195138 Email: lijingm@agri.gov.cn



