



## Project Summary

**DEVELOPMENT OF CO-FIRING POWER GENERATION MARKET OPPORTUNITIES  
TO ENHANCE THE EU BIOMASS SECTOR THROUGH INTERNATIONAL COOPERATION WITH CHINA**

### CH-EU-BIO

**Action Line:** Thematic Promotion and Dissemination

**Contract Type:** Specific support actions

### Coordinator:

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### Project details

<b>Reference:</b>	Promo/019668/2005	<b>Start Date:</b> 01/11/2006
<b>Status:</b>	Execution	<b>End Date:</b> 01/11/2008
<b>Project Cost (€):</b>	591.665	<b>Duration (months):</b>
<b>Project Funding (€):</b>	554.952	

### Summary

The overall objective of the proposed specific support action is to determine and establish the basis by which the EU biomass industrial companies might enter the co-firing power generation market in China, which offers very significant potential. This can underpin their sustainability at a time when market prospects in Europe are limited, while also offering the prospect of Clean Development Mechanism (CDM) opportunities for greenhouse gas emissions reduction. A well-established consortium, comprising EU and Chinese organisations, will work together to gather data on the sources and availability of biomass/biogenic wastes in China; will determine various concepts for the co-firing of such renewable energy materials with coal in the various types of Chinese coal fired plants; will carry out techno-economic, socio-economic and environmental assessments of these concepts; will consider the policy, institutional and regulatory impacts; and then determine the commercial attractiveness of introducing co-firing into the Chinese power sector. From these assessments and evaluations, the realistic market potential for the EU biomass industry to introduce such co-firing technology will be determined. These findings will then be disseminated to EU and Chinese stakeholders. This process will be followed by further initiatives to assist those stakeholders to establish cooperative opportunities, from which the basis for technology demonstrations and subsequent deployment in China will be initiated.



## Partners

1	IEA Environmental Projects Ltd.	GB
2	Aston University	GB
3	Valtion teknillinen tutkimuskeskus	FI
4	Exergia Energy, Management and Information Technology Consultants SA	GR
5	European Biomass Association	BE
6	Technology Consulting Centre of China Electricity Council	CN
7	Tsinghua University	CN
8	Energy Research Institute of Henan Academy of Sciences	CN