

Contributions to the China Energy Technology Program (CETP)

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- 5) **Organizational unit:** Departement Maschinenbau und Verfahrenstechnik, direkt, Institut für Energietechnik, direkt, Kroger, Wolfgang, kroeger@mavt.ethz.ch, LZ=03292
- 6) **Project leader(s):**
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- 7) **ETH researcher(s):** no entry
- 8) **External researcher(s):** no entry
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 - Industry
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- 11) **Short Summary:** The China Energy Technology Program is a cooperative effort focused on developing and exercising a novel methodology to evaluate sustainable electricity generation strategies for China.
- 12) **Keywords:** Engineering Sciences, Environmental Sciences, Technology

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13) Project description:

The China Energy Technology Program is a cooperative effort focused on developing and exercising a novel methodology to evaluate sustainable electricity generation strategies for China. Reviews have shown, that there is a lack of integrated energy modeling and impact assessment activities, with sufficient technological specificity, to educate decision-makers of the longer-term implications of policy decisions, particularly in a joint fact-finding and decision-making environment involving multiple stakeholders.

The objective of CETP is therefore, to develop a methodology for analyzing the "true" impact of electric power generation from cradle-to-grave, taking energy technologies and their environmental impacts into account and using China, Shandong Province, as a case study. The true costs of electrical power generation shall be identified and cost-effective and efficient sustainable electricity generation solutions for the future are sought.

The project-approach centers on integrated use of databases, knowledge-bases and dispatching simulation methodologies. LSA contributes in areas of scenario-generation of electricity production, integration of solutions by use of decision support system technologies and outreach through stakeholders interaction procedures.

The results of CETP are documented into a book, published with Kluwer Academics, The Netherlands. A public presentation in Beijing, China, took place late March 2003.

14) Popular description:

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15) Graphics: no entry

16) Publications: no entry

17) Links to important web pages: no entry