

## LCA Database Development - Progress made in ISCP, China

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## Outlines

- **What we have done and what we are doing**
  - Development of core Chinese LCI database
  - Development of LCIA parameters for Chinese LCAs
- **What we are going to do**
  - Development of Data Collection Format (DCF), guidance and tools
  - Call for cooperation to build a more comprehensive database



## The 2nd Chinese Conference on Life Cycle Management LCM and Policy

Beijing · Nov. 14<sup>th</sup> -16<sup>th</sup> 2009 [www.iscp.org.cn/conference](http://www.iscp.org.cn/conference)

- 120 attendees with 50 presentations from China and 16 foreign countries and international organizations.



## Survey from CLCM2009

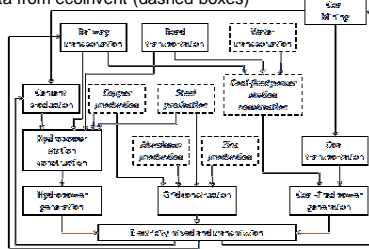
No. (descending)	Obstacles for LCA in China	Index of Difficulty (maximum 5 point)
1	数据库 Database	4.52
2	国内企业的重视程度 Consciousness of domestic enterprises	3.74
3	国内政策的支持力度 Support of domestic policy	3.52
4	消费者及市场的重视程度 Consumers and market consciousness	3.39
5	理论方法与标准 Theoretic methods and standards	3.22
6	研究经费 Research funding	3.13
7	专业研究人员数量与能力 Number and capacity of professional	2.83
8	软件工具 Software Tools	2.57



## Development of core Chinese LCI database

- Aim: a national average, process-based core database
- Life cycle model of core industry system
  - Start with electricity system and interlinked industries
  - domestic data collection (solid boxes) & life cycle modeling with complementary data from ecoinvent (dashed boxes)

The pilot project - "LCA study on generation and transmission of electricity in China" - was sponsored by UNEP/SETAC LCA Award and awarded as the first place winner for LCA project in developing and emerging countries (2009)



## Expanding the core system and database

- Core system and database:
  - Tracing back all inputs till all key industries included
  - Unit process data sets collected and life cycle data sets obtained
  - Chinese core database shipped with ELCD2 in eBalance 2010
- "Downstream" system and database
  - which doesn't feedback to core system
  - A more comprehensive database, for which cooperation is needed.

