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**Forschungszentrum Karlsruhe**  
in der Helmholtz - Gemeinschaft

ITC Zentralabteilung Technikbedingte Stoffströme

# **International Workshop on Quality of LCI-Data Oct. 20-21, Karlsruhe, Germany**

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**- Central Unit for Technology Induced Material Flows -**

## Background

- UNEP/SETAC Initiative + German Network on LCI-Data
  - Task Forces within the Work Programme of the LC-Initiative:
    1. Overview LCI-Databases
    2. Database Property Consistency
    3. Methodological Consistency
    4. LC Case Study Library
    5. Capacity Building
- Core Characteristics
1. Data quality
  2. Documentation format
  3. Data exchange format
  4. Nomenclature

## Objectives

(meeting of steering committee April 2003 Hamburg)

- Gap analysis on the difference between the state of the art for quality issues and a long term goal for LCI-quality
- Guidelines and/or recommendations for consensual issues
- Action programmes for contentious issues (e.g. European Data for American LCAs)

## Objectives (cont'd)

- Answers to the question which information is needed to address or evaluate the appropriateness of LCI-data (also user specific)
- Motivation for data providers
- Documentation of quality: how and what should be reported
- Requirements for a third-party review
- Positioning of ISO TS 14048 to existing data and data bases

## **Topic A: Quality Criteria and Measurement**

Subtopics: Criteria for data sets, methodology and uncertainty; criteria for databases, methodology, consistency, and reliability; subjective and objective methodology and modeling choices; quantitative vs. qualitative measures; stochastic vs. systematic errors.

## **Topic B: Documentation and Communication of Quality Information**

Subtopics: Interaction of LCI and LCIA uncertainty; application fields and data appropriateness; technical needs and solutions for documentation, communication, and reporting; integration of data of different origin

## **Topic C: Application of Data Quality Information in Decision-Making**

Subtopics: Integration of data with different appropriateness & quality; significance of results, reliability of decision support; data quality vs. transparency

## **Review and Appropriateness as Cross-Cutting issues**

## Programme

Monday

Opening plenary

Parallel WGs

plenary

Tuesday

Parallel WGs

plenary

10 key notes

20 papers

50 registrations

## Steering Committee

- Liselotte Schebek, Forschungszentrum Karlsruhe, Germany (chair)
- Raul Carlson, Chalmers University of Technology IMI, Sweden
- Alain Dubreuil, NRCan, Canada
- Matthias Finkbeiner, DaimlerChrysler, Germany
- Rolf Frischknecht, ecoinvent Centre, Switzerland
- Atsushi Inaba, AIST, Japan
- Greg Norris, Harvard University, USA
- Toolseeram Ramjeawon, University of Mauritius, Mauritius
- Tomas Rydberg, EC-JRC, Italy
- Guido Sonnemann, UNEP, France
- Bernhard Swarbrick, NiDi, Canada
- Bo Weidema, 2.-0 Consultants, Denmark
- Marc-Andree Wolf, University of Stuttgart, IKP, Germany