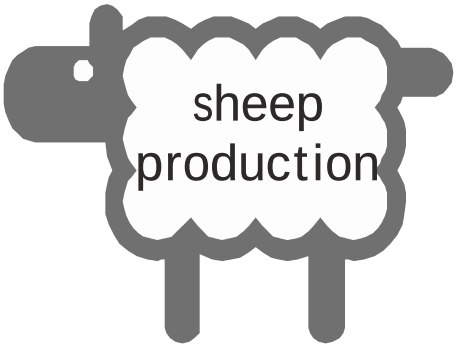
ecoinvent version 3
Users and Data Providers Meeting

Agroscope
EMPA
EPFL
ETH
PSI

Part I.
introduction, users' experience & discussion

… how to “split” a sheep ?



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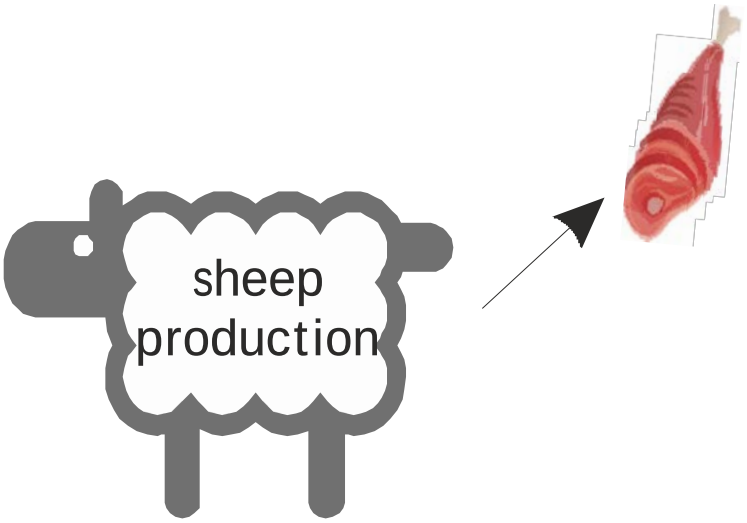

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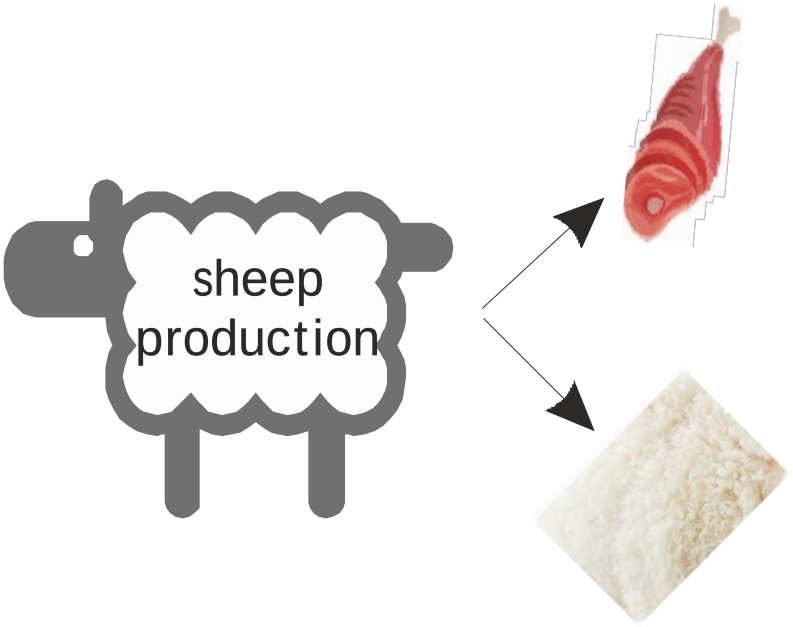
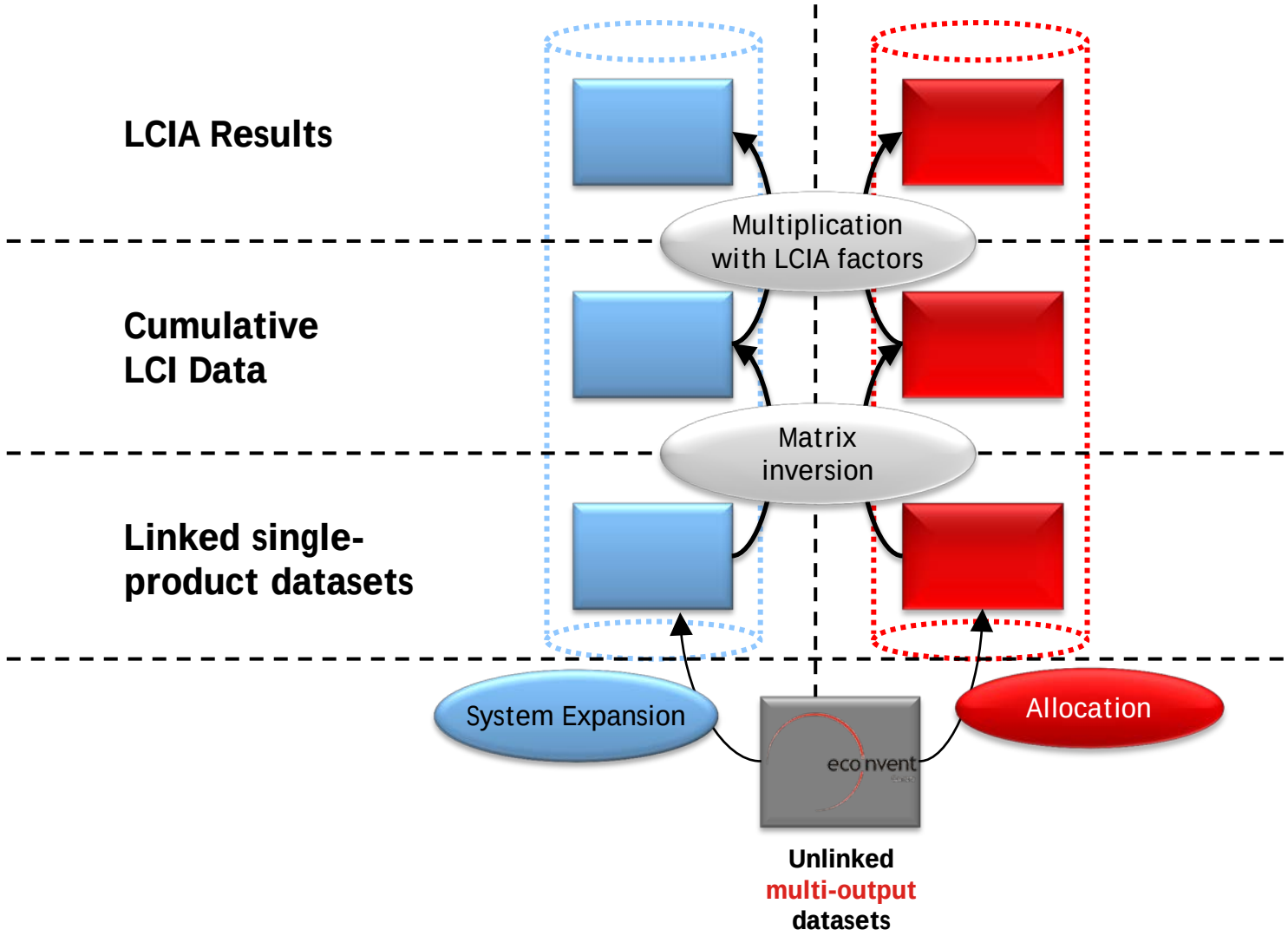
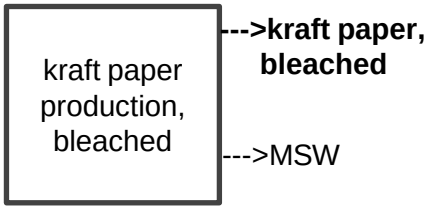


Different DB … what are they for ?



… and what means “allocation at point of substitution” ?



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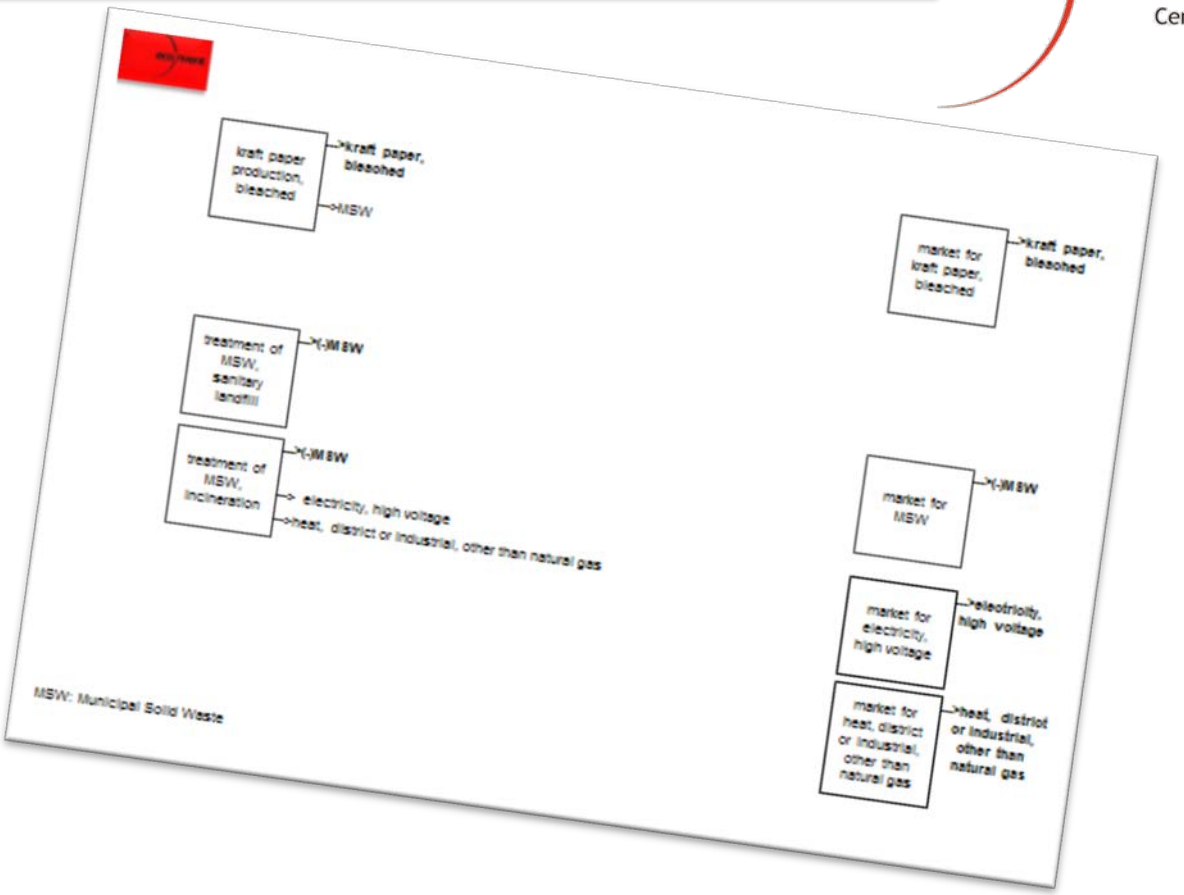
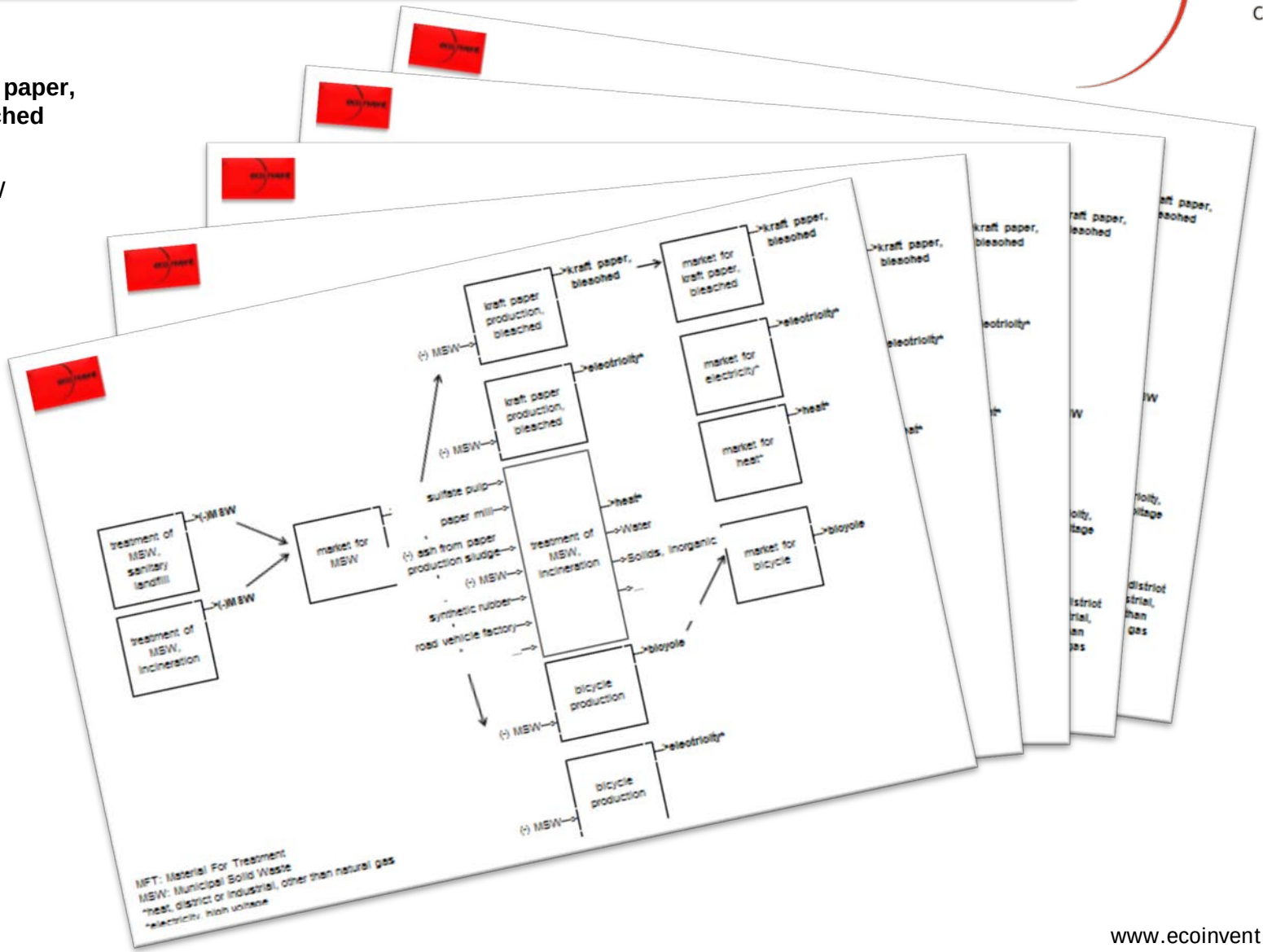


... and what means "allocation at point of substitution" ?

kraft paper production, bleached

--->**kraft paper, bleached**

--->MSW



Timetable

- 9:00 Welcome & Introduction, Roland Hischier
- “Introduction to ecoinvent version 3”, Emilia Moreno Ruiz

- 10:45 Coffee break

- 11:15 “Choosing the system model for your specific application”, Bo Weidema
- “New on ecoinvent version 3”, Emilia Moreno Ruiz
- “ecoQuery and ecoinvent support”, Tereza Levova

ecoinvent version 3 - Users and Data Providers Meeting

Introduction

Roland Hischier

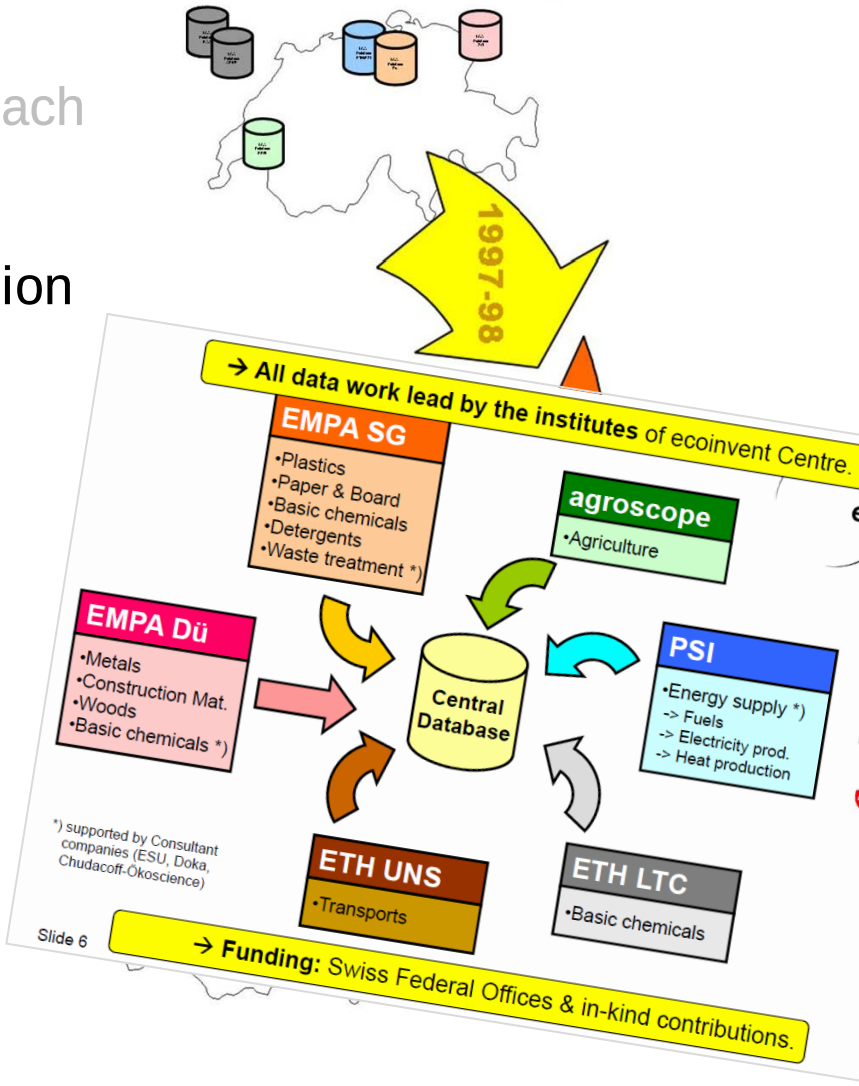
Member of the ecoinvent Board

Empa, St. Gallen

Introduction

ecoinvent v1 – «harmonisation» & «concentration»

- Before 1996: Different institutes (ETH, …), each with their database
- 1997-1998 / **Pilot project**: system specification and first draft version of quality guidelines
- 2000-2004 / **Project „ecoinvent 2000“**:
  - ➪ finalisation of ecoinvent quality guidelines
  - ➪ establishing the database ecoinvent v1 (~ 2700 unit processes)
- 2005-2008 / **Project ecoinvent v2**:
  - ➪ update and extension of ecoinvent database from v1 to v2 (~4‘000 unit processes)



Introduction

ecoinvent v2 – «maintaining» & «extension»

- Before 1996: Different institutes (ETH, …), each with their database
- 1997-1998 / **Pilot project**: system specification and first draft version of quality guidelines
- 2000-2004 / **Project „ecoinvent 2000“**:
  - ➪ finalisation of ecoinvent quality guidelines
  - ➪ establishing the database ecoinvent v1 (~ 2700 unit processes)
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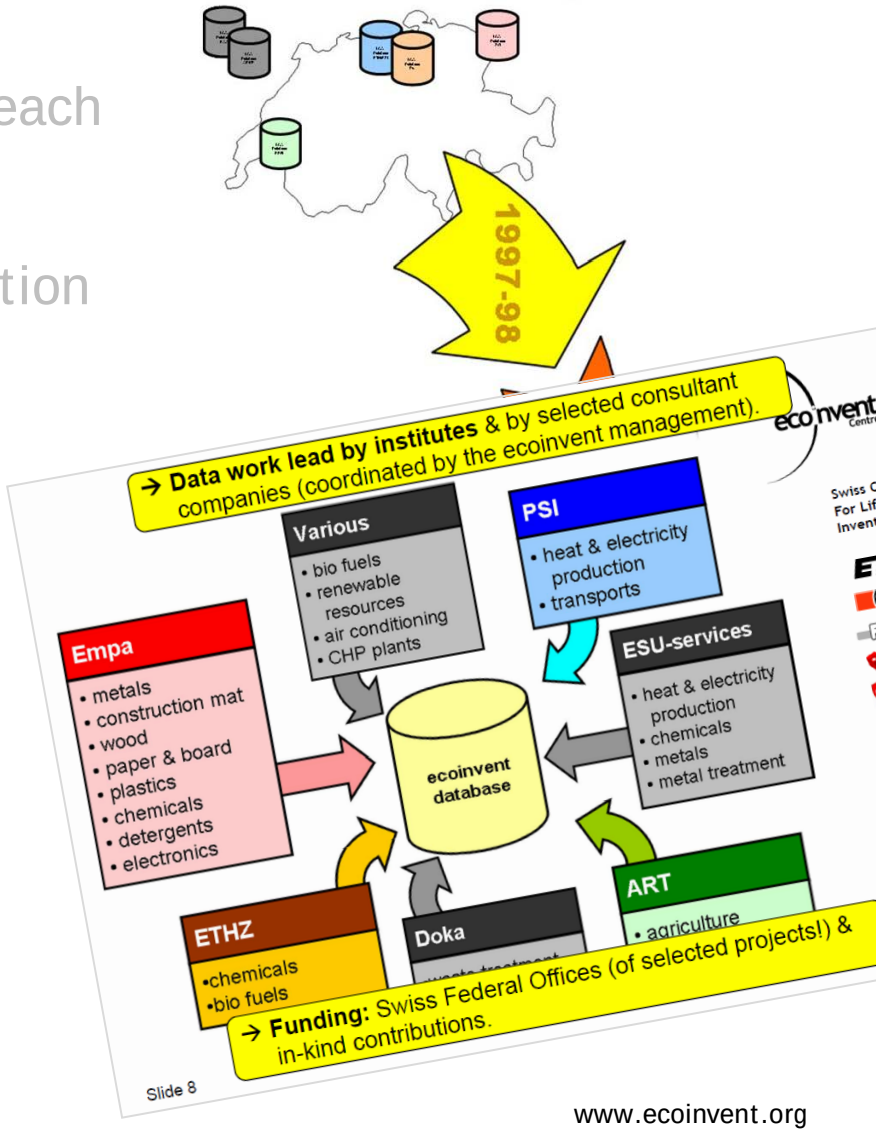
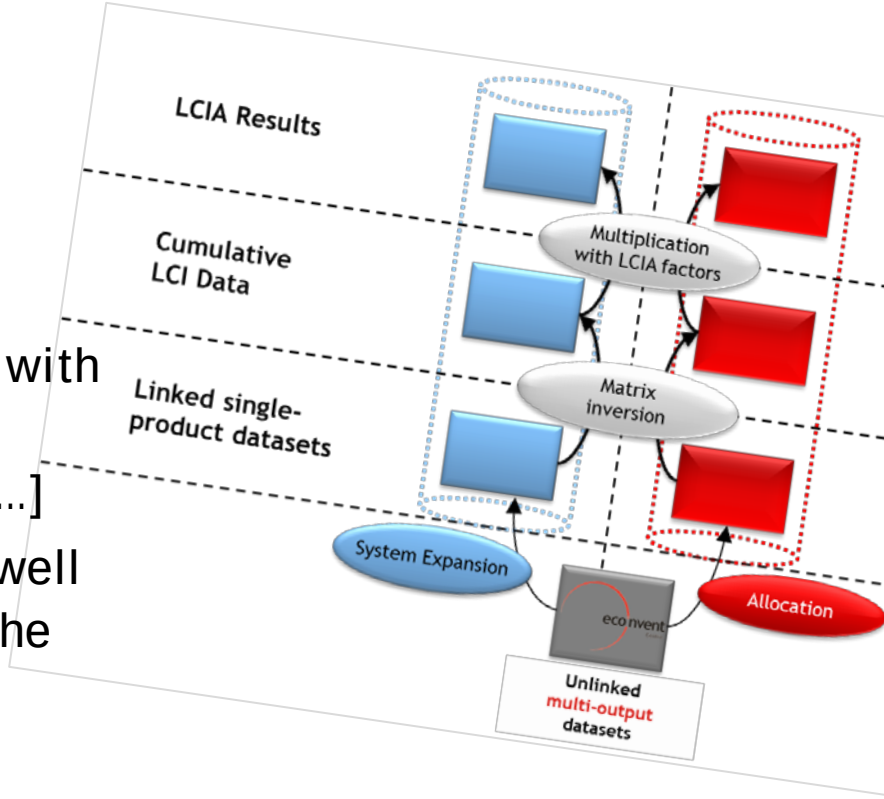


Introduction

ecoinvent v3 – «flexibility» & «simplicity»

- […]
- 2005-2008 / **Project ecoinvent v2**:
  - ➪ update and extension of ecoinvent database from v1 to v2 (~4‘000 unit processes)
- 2008-2012 / **Project ecoinvent v3**:
  - ➪ Broad revision of the technical system (and with this, of the structure) of our database [see subsequent presentations this morning …]
  - ➪ selective update / extension of content, as well as an adaptation of the existing content to the new database structure



Association

- Since June 18, 2013, ecoinvent is an **independent association** consisting of the five founding institutes as active members.
- With this, ecoinvent has become a not-for-profit organisation whose goal is to ensure further development of a consistent, transparent and trustworthy database for the LCA community as well as for creators of eco-design tools, decision-makers, industry and scientific research.
- This change in its organisational structure allows ecoinvent to be more flexible in its decision making thus ensuring that requests can be dealt with more speedily.

Organisation

- **ecoinvent Board**

  strategic management of project, i.e. steering committee

- **group of LCI experts**

  maintain and develop the ecoinvent quality guidelines and monitor the implementation as well as the general monitoring and coordination of the development projects

- **Advisory Council**

  advisory body to ecoinvent Board and Group of LCI Expert

- **Editorial Board**

  responsable for quality control of ecoinvent v3.0. Review, validate and edit all new datasets before inclusion in database

“ecoinvent office”

Responsible for operational management of ecoinvent Centre :

- **Gregor Wernet**, Executive Manager;
- **Emilia Moreno Ruiz**, Deputy Manager;
- **Tereza Lévová**, Data Analyst, and
- **Linda Wegelin** acts as Marketing & Sales Manager.

… together with **Group of LCI Experts**, the ecoinvent Chief Scientist in person of **Bo Weidema** supports development of scientific & technical aspects

Roland Hischier

Member of the ecoinvent board

Empa, St. Gallen

Roland.Hischier@empa.ch

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
Agroscope

EMPA
Materials Science & Technology

ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

ETH
Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

PAUL SCHERRER INSTITUT
PSI