



**sinum**  
**DF83: ECOPRO / REGIS - 30 years**  
**of corporate ecoperformance beyond**  
**GHG emissions**

**7th June 2023**

## ➔ Introduction

- sinum and REGIS


## ➔ ECOPRO

- Corporate EcoPerformance
- Goal and Scope
- Data collection / LCI
- Challenges

## ➔ Conclusion and outlook

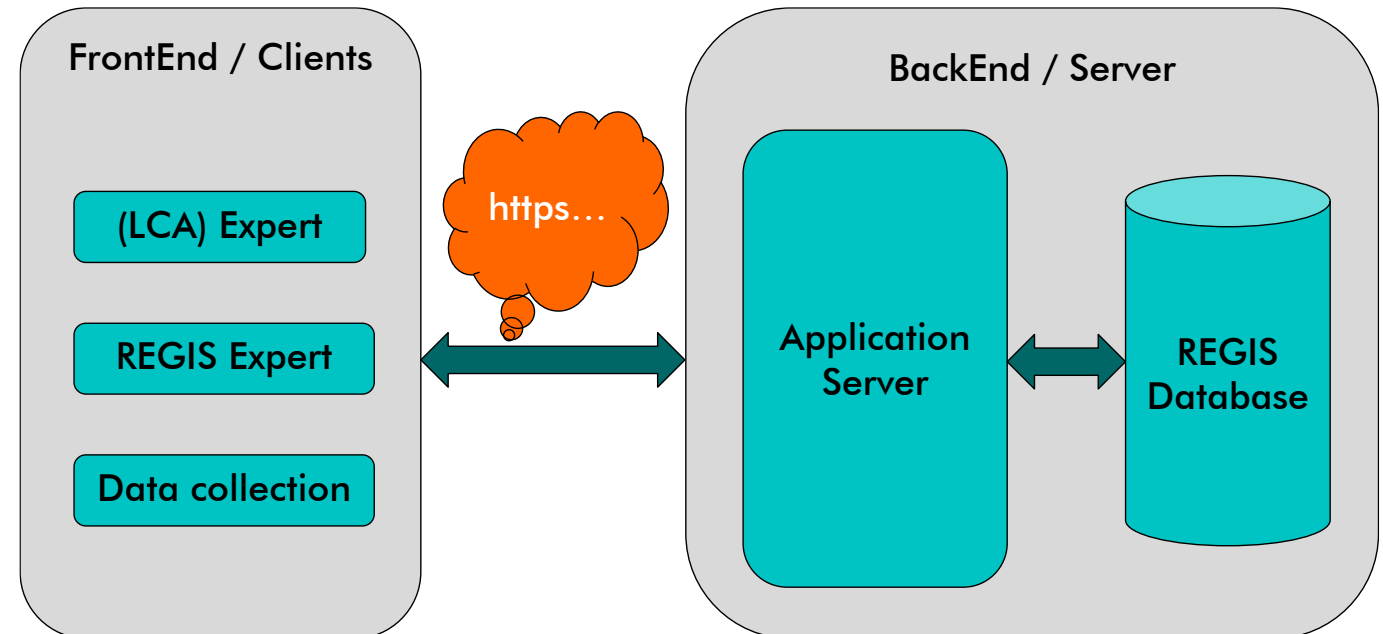


1993: Spin-off Universität St. Gallen (HSG)  
2000: Swiss Technology Award for REGIS 2.0  
2004: Management Buyout



Since its launch in 1993, REGIS has enabled companies to analyse and control their Corporate EcoPerformance. With the REGIS version including ecoinvent 3, users can perform LCAs - with a special focus on company LCAs - with regionalised LCI/LCIA. The GHG protocol and the ECOPRO methodology are supported in REGIS.

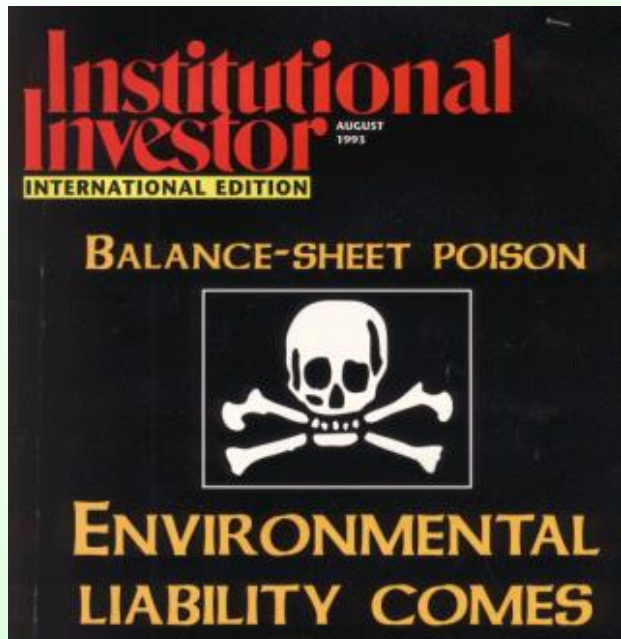
- ➔ Standardised reporting according to ECOPRO or GHG protocol
- ➔ Regionalised LCI/LCIA calculation
- ➔ Electricity-mix generator
- ➔ Timeline e.g. track year-on-year changes
- ➔ Parameterised data collection
- ➔ Client specific master data
- ➔ Results on the fly



# Historical background - The day before yesterday and today....



Das Thema Umwelt gefährdet die Wertschöpfung..



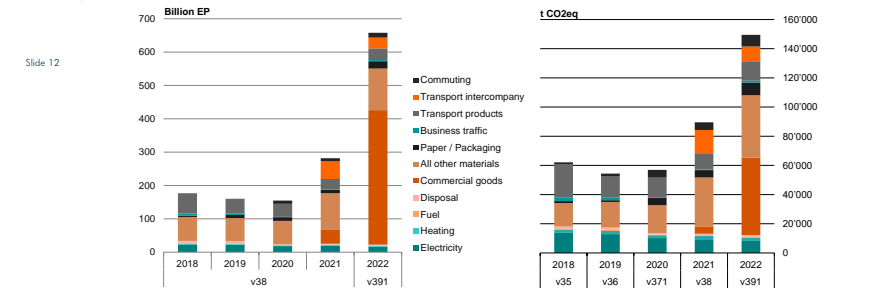
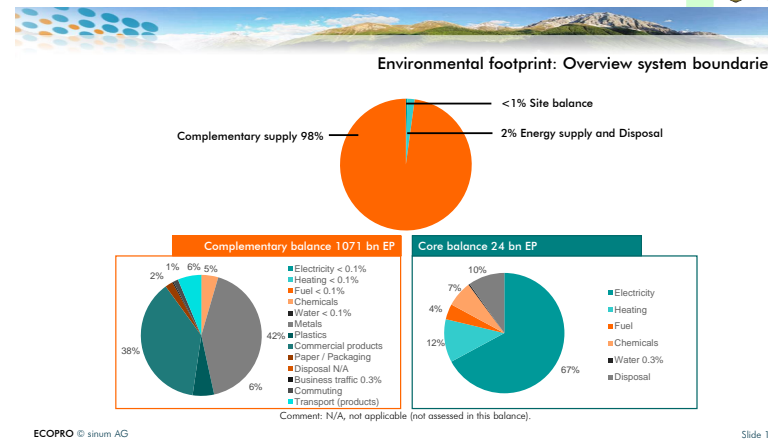
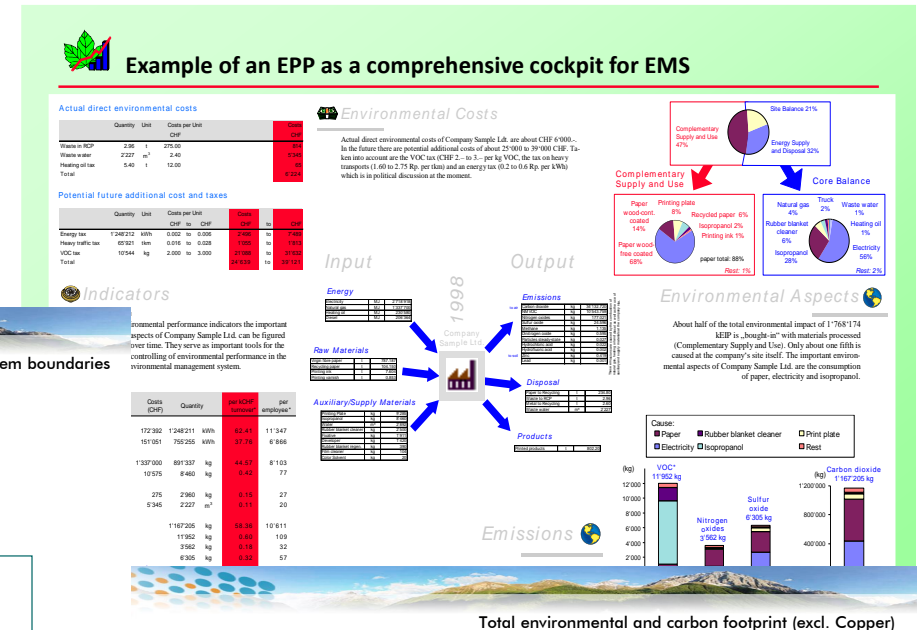
.....es eröffnet aber auch Gewinnpotentiale



## Threat to value creation versus Opening profit potentials

# 25 years ECOPRO Efficiency Profile (EPP)

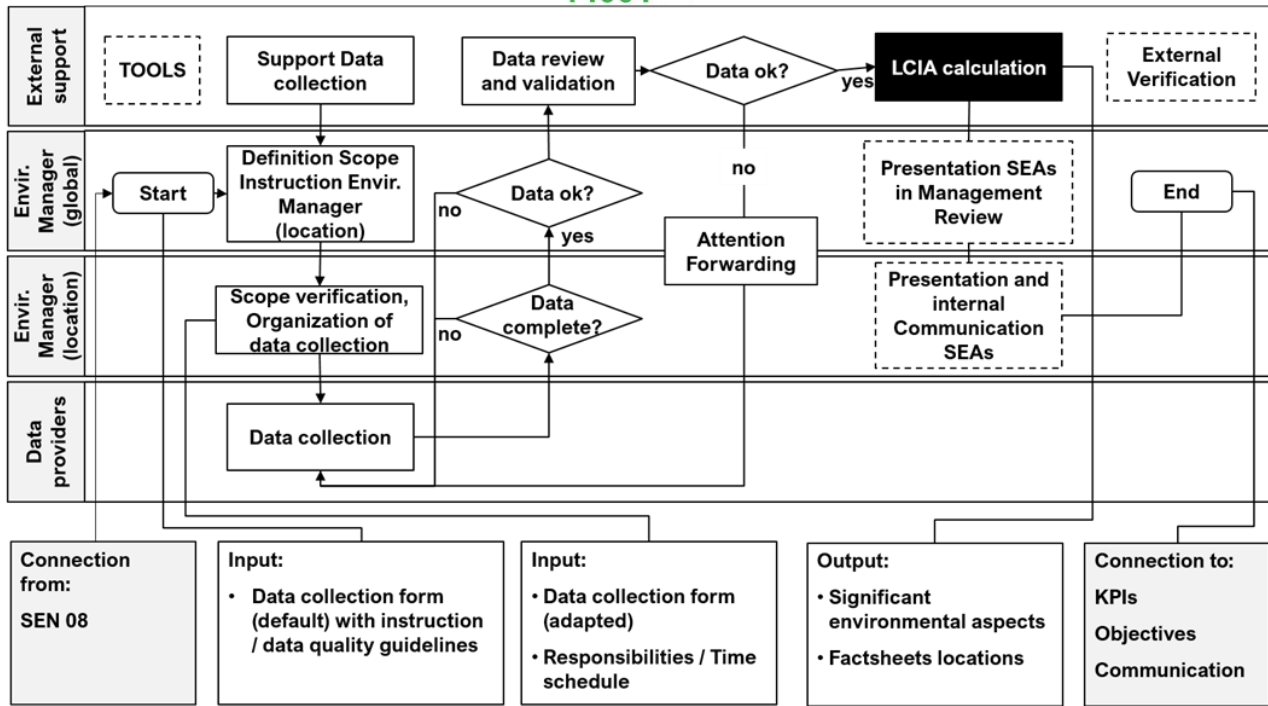
- ➔ Standardised since mid-nineties
- ➔ Focus on SME
- ➔ GHGP, ISO 14040
- ➔ IPCC and Eco-scarcity
- ➔ Fact-based information



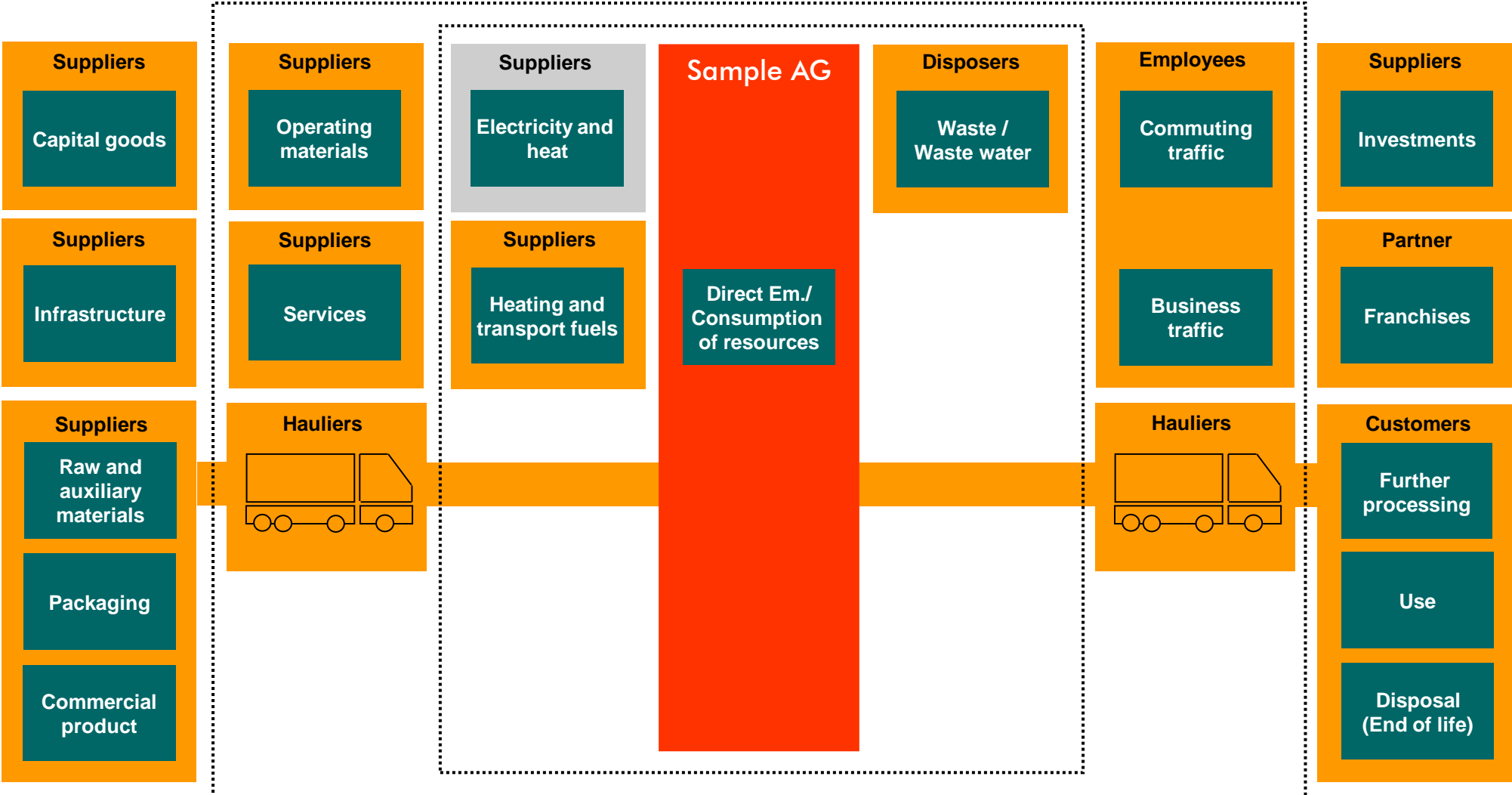
➔ The entire value chain has always been in focus  
 ➔ At first, the carbon footprint was a "by-product"

# Goal and Scope – Corporate LCA

- ➔ **Environmental performance**
  - Significant environmental aspects
  - Yearly monitoring
  
- ➔ **(Climate) Target setting**
  - Science-based targets
  - Net-zero
  
- ➔ **Measures and initiatives**
  - Life cycle costing
  
- ➔ **Communication**
  - Internal / External
  - Corporate / Product level

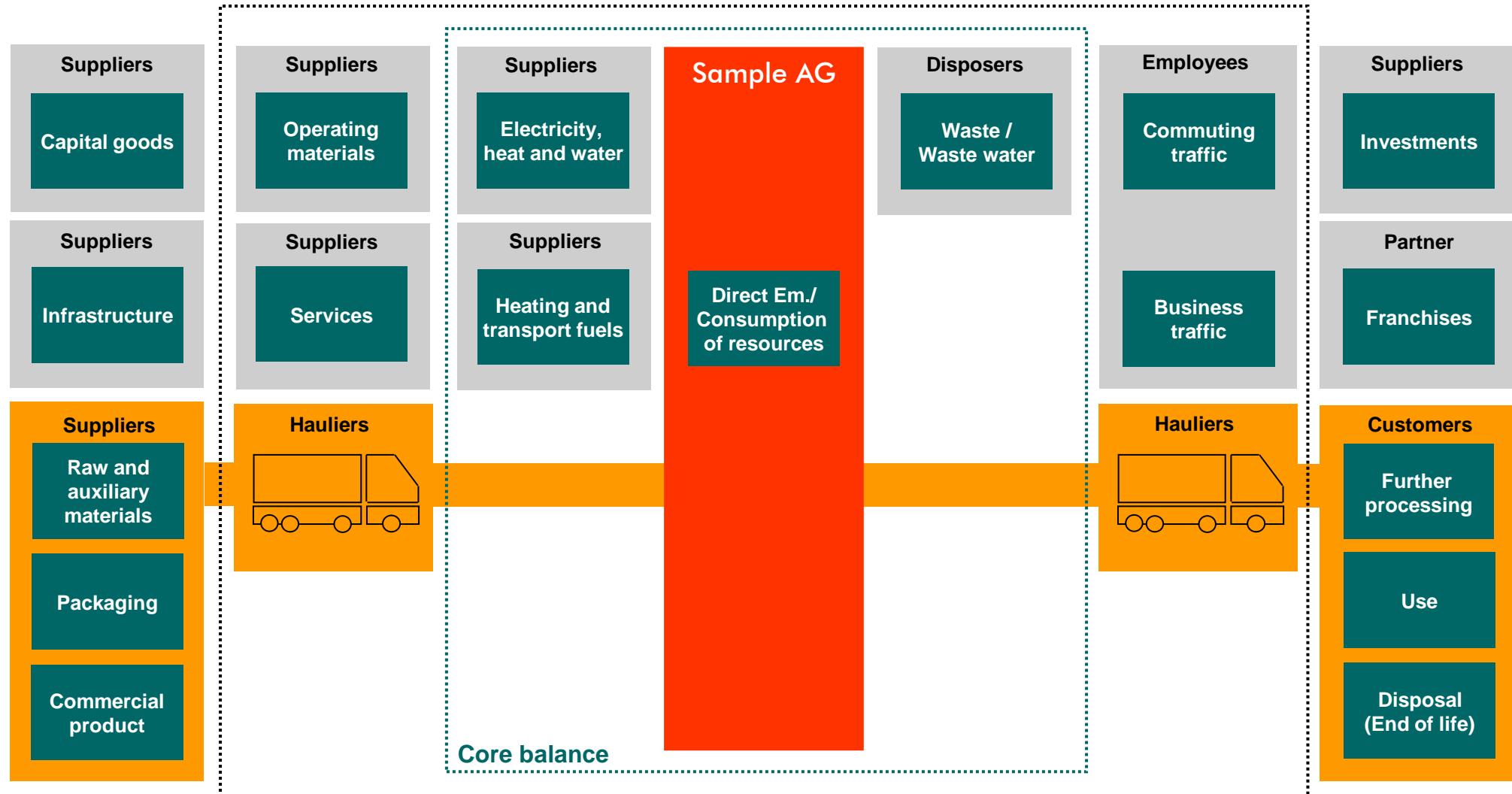


# GHG Protocol – Scope 1, 2 and 3





# ECOPRO – System boundaries and stakeholder



# ECOPRO – Data selection/collection

## ➔ Data selection / prioritisation

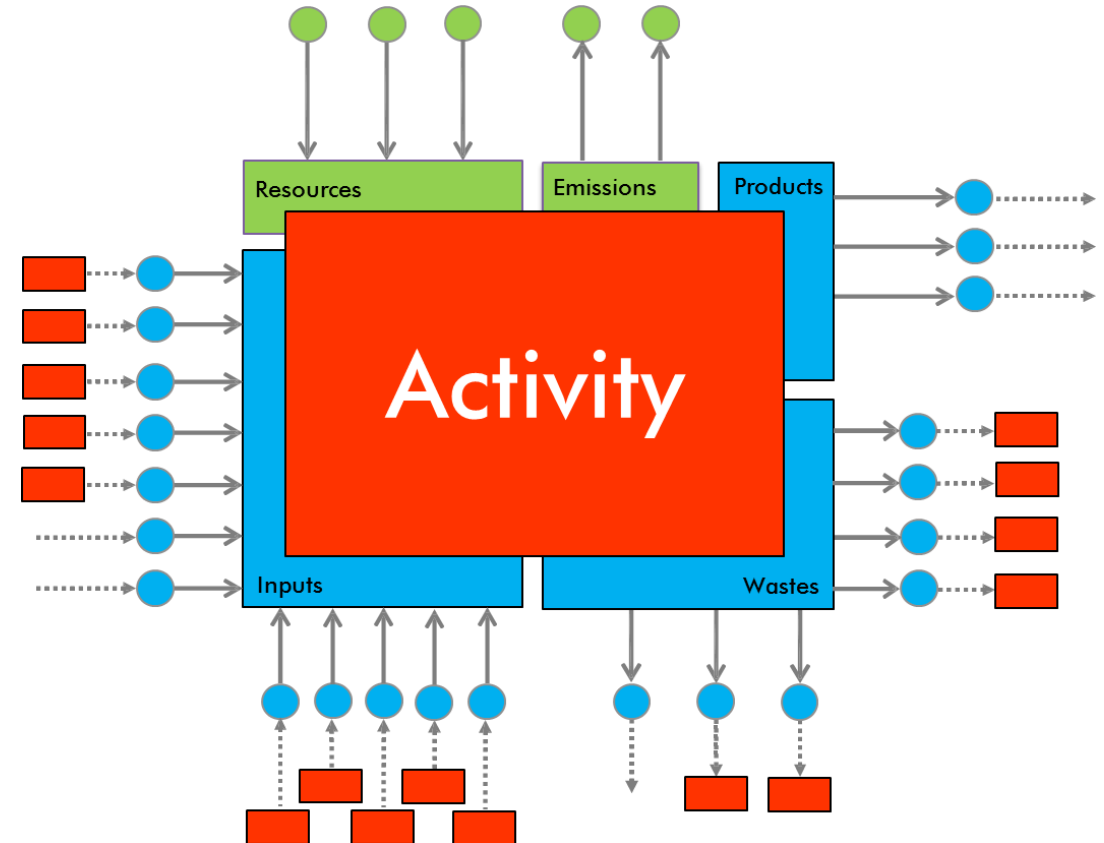
- High amount
- High cost
- Environmental impact

## ➔ Scope 3

- Primary data from suppliers
- Databases (e.g. ecoinvent, open source)
- Literature (LCA reports)
- Product data (MSDS, Material compositions etc.)

➔ UPR (LCI) best practice

➔ LCIA results only as indication / for comparison



# Challenges Corporate EcoPerformance

## → Scope 3

- Supplier data available?
  - Confidentiality of data.
  - Reproducibility of LCIA results (e.g. PCF)
  - Allocation to secondary data
- **Data quality and completeness**
- **Simplification as a risk for Greenwashing?**

## → Comparability of results over time

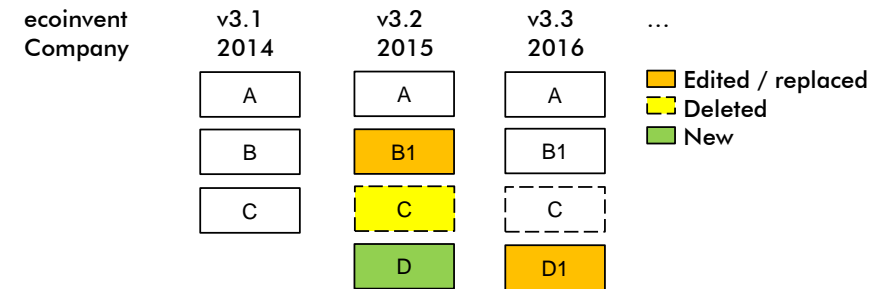
- LCI data (databases / versions)
- Changes in methodology etc.

## → Comparability of results with competitors

- LCI data
- LCIA-indicator



LCI data – Update/new Version



- Version control on UPR-level
- Status of datasets over time
- Dataset with changed status: Is it used in a corporate model or not?

ECOPRO © sinum AG

Slide 18

### ➔ Supplier requirements

- Science based targets / Net-zero
- Corporate environmental information: Supplier data (yearly..)
- Product environmental data: e.g. EPD, LCA data

### ➔ From results to the Flow Data Object (FDO)

- Supplier data is a MUST
- Product specific UPRs
- Open source
- Interoperability

→ **Publicly available, transparent and reproducible LCI data required**

→ **Open source machine-readable UPRs in a recognized LCI format are the gold standard**



sinum AG  
**Martin Kilga**



Redingstrasse 6  
CH-9000 St. Gallen  
+41 71 223 81 81  
[martin.kilga@sinum.com](mailto:martin.kilga@sinum.com)