

## Context

- Environmental and social assessment carried out separately
  - Time consuming
  - Eco-design and social design as separate strategies
- In LCSA
  - Separate LCA, S-LCA, LCC
  - Integration for compilation of the results and interpretation only

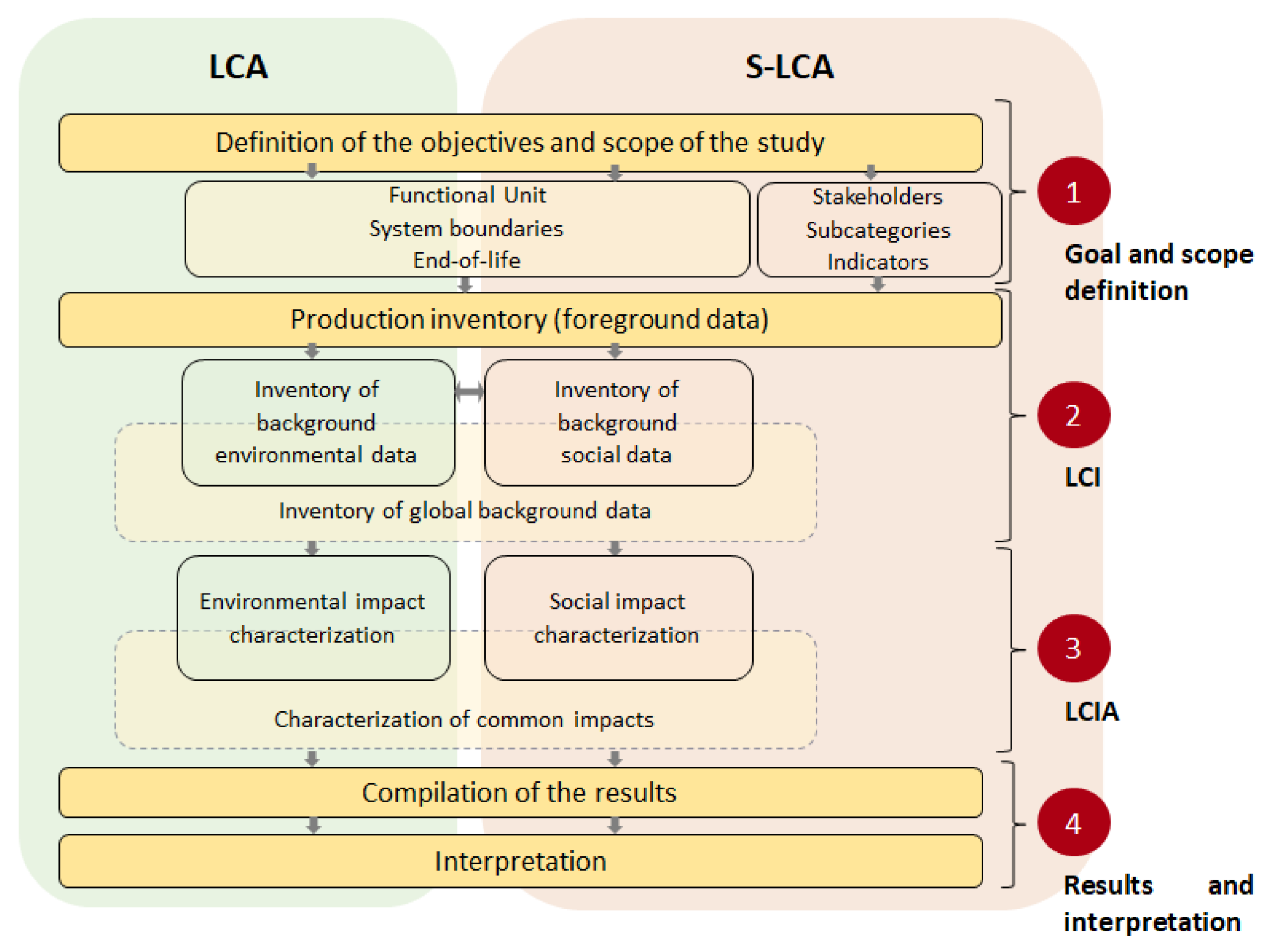
## Objectives

- Combination of environmental and social LCA in a single methodology
  - Sharing of analyses and data
  - Open the way to eco-social design
- Application of the methodology in the electronics domain

## Common or separate models?

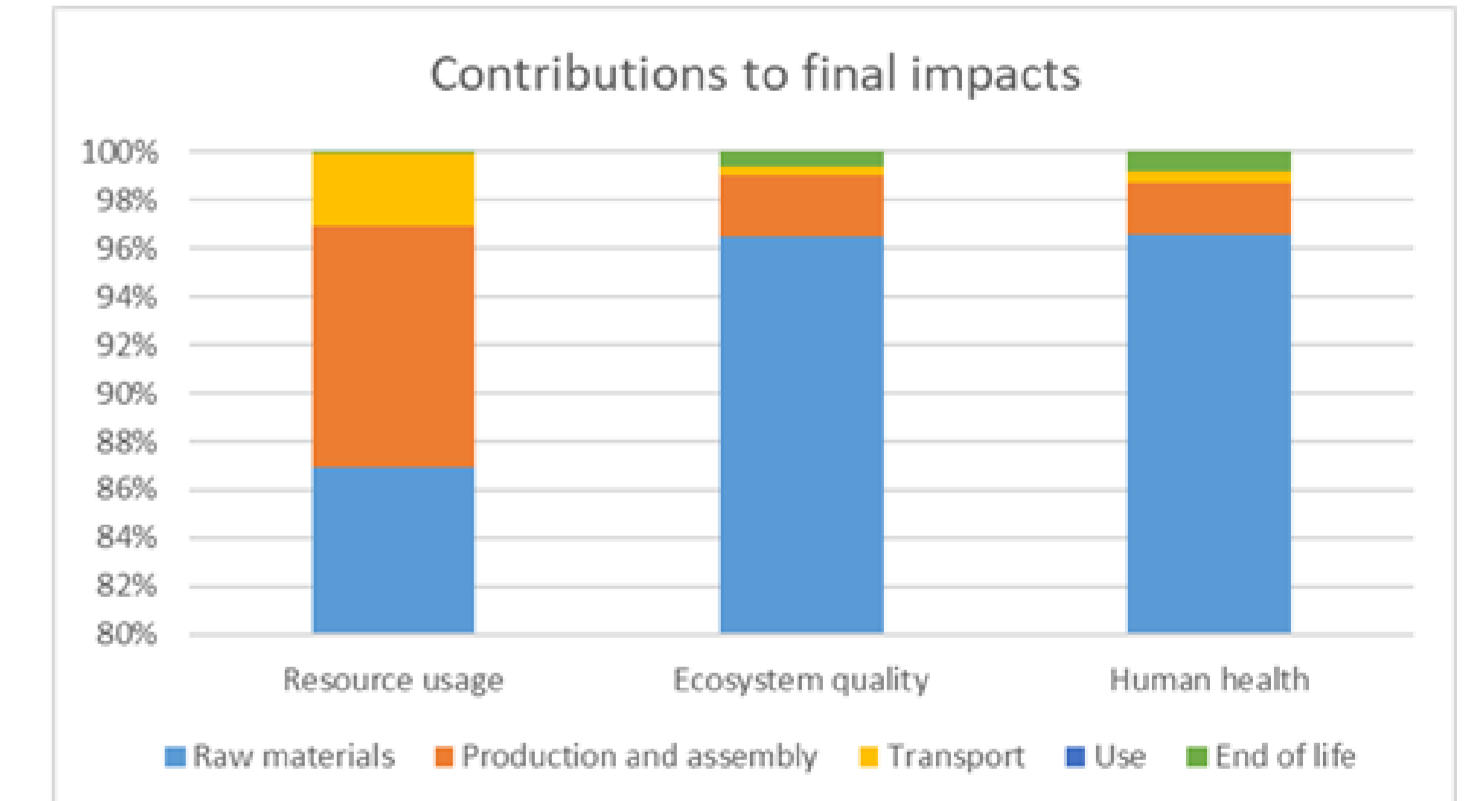
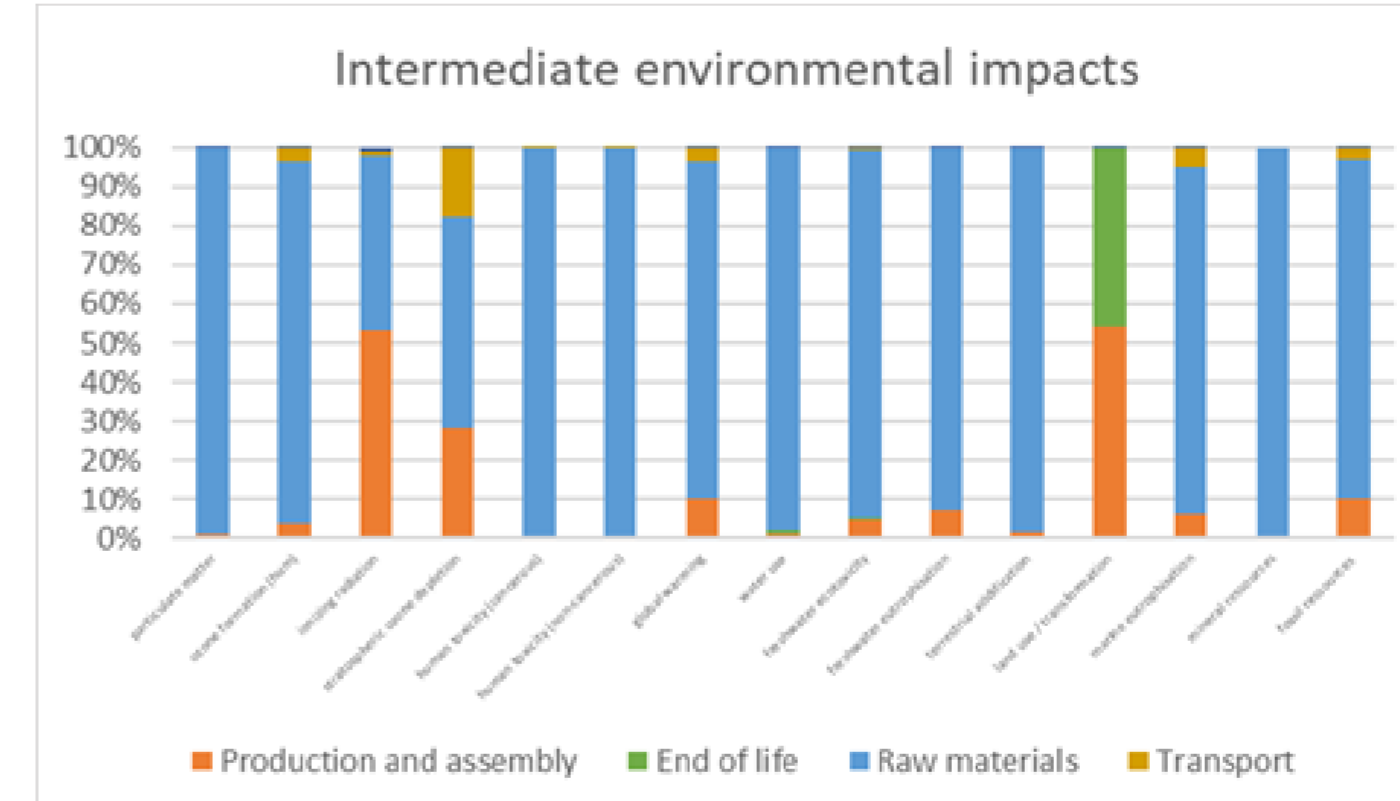
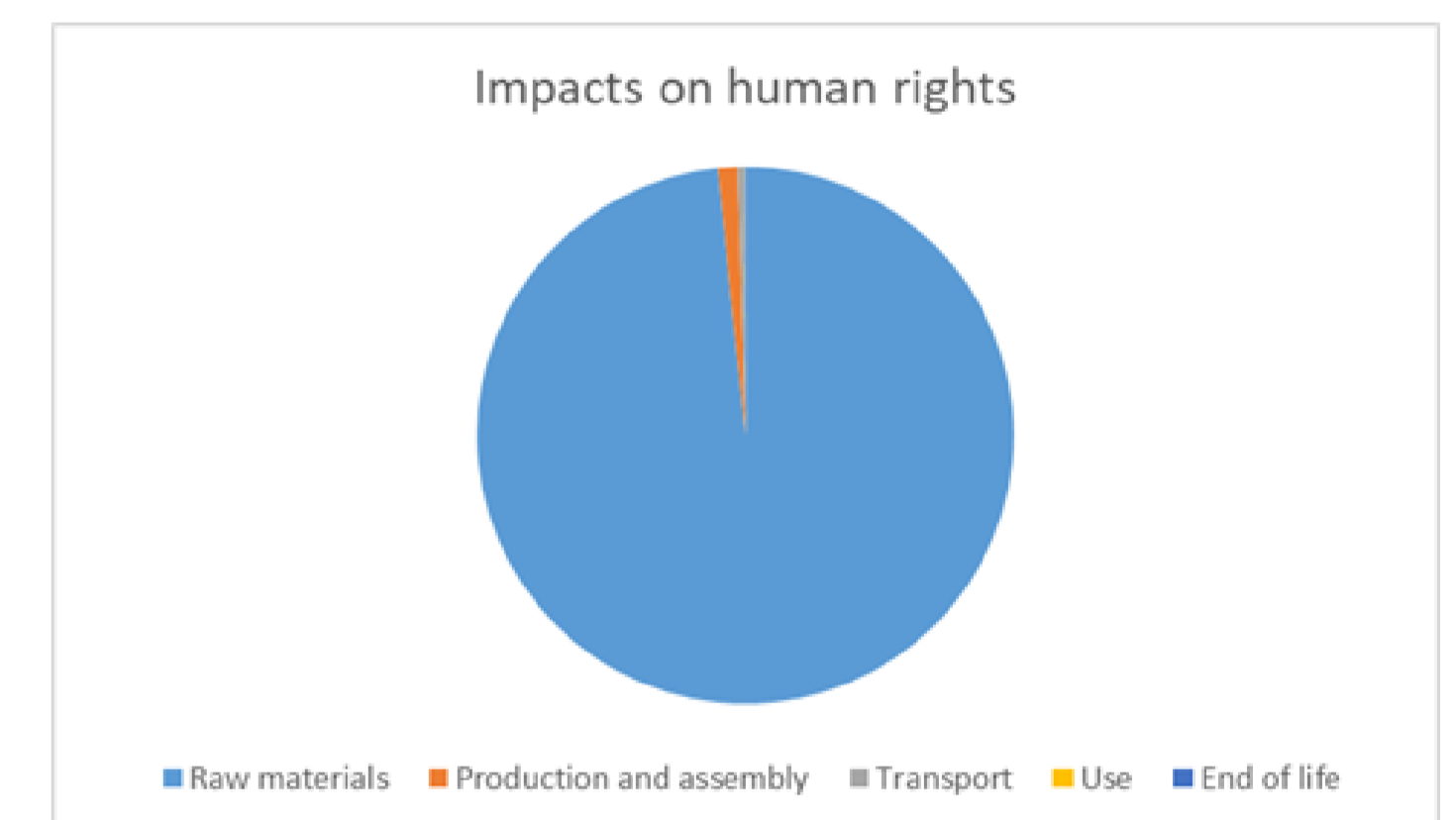
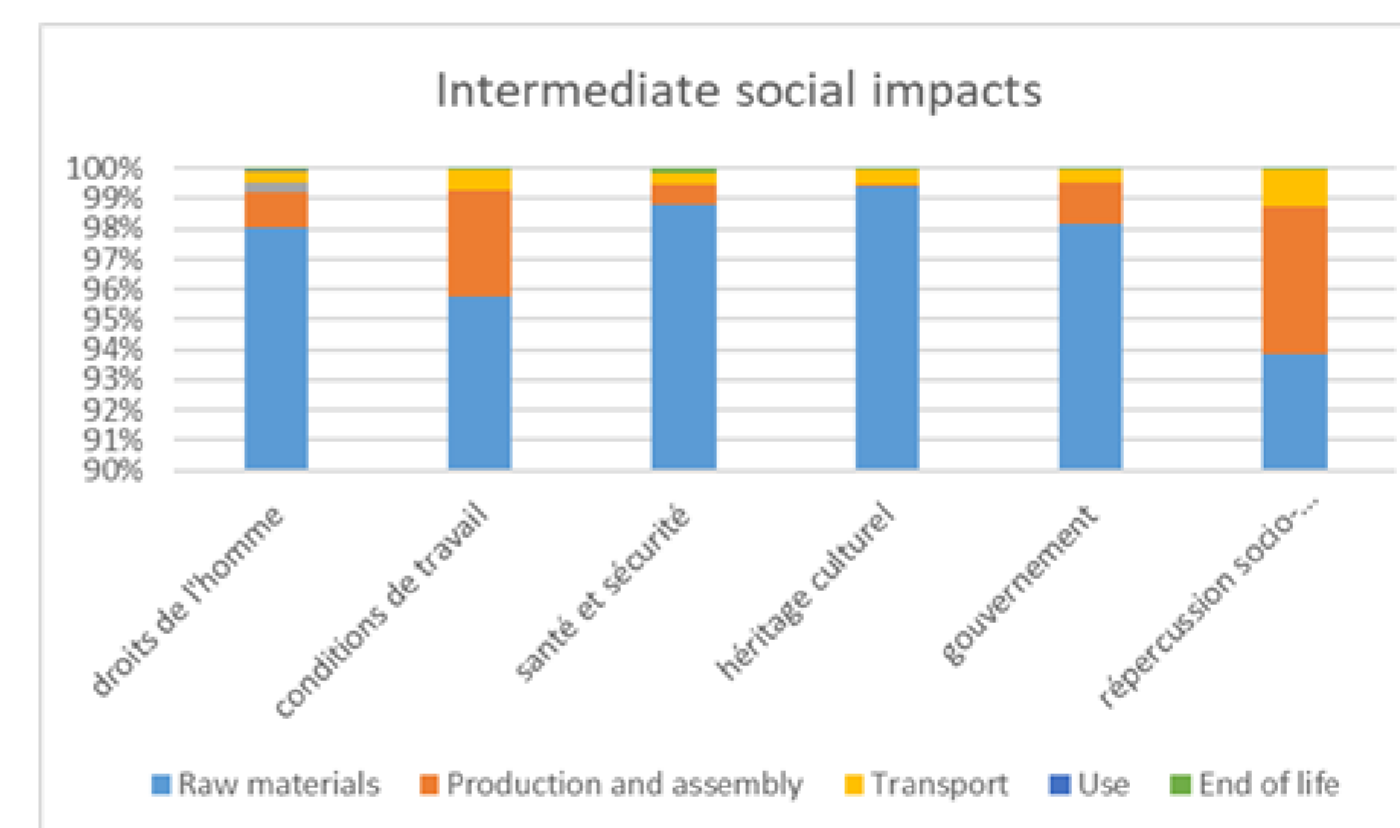
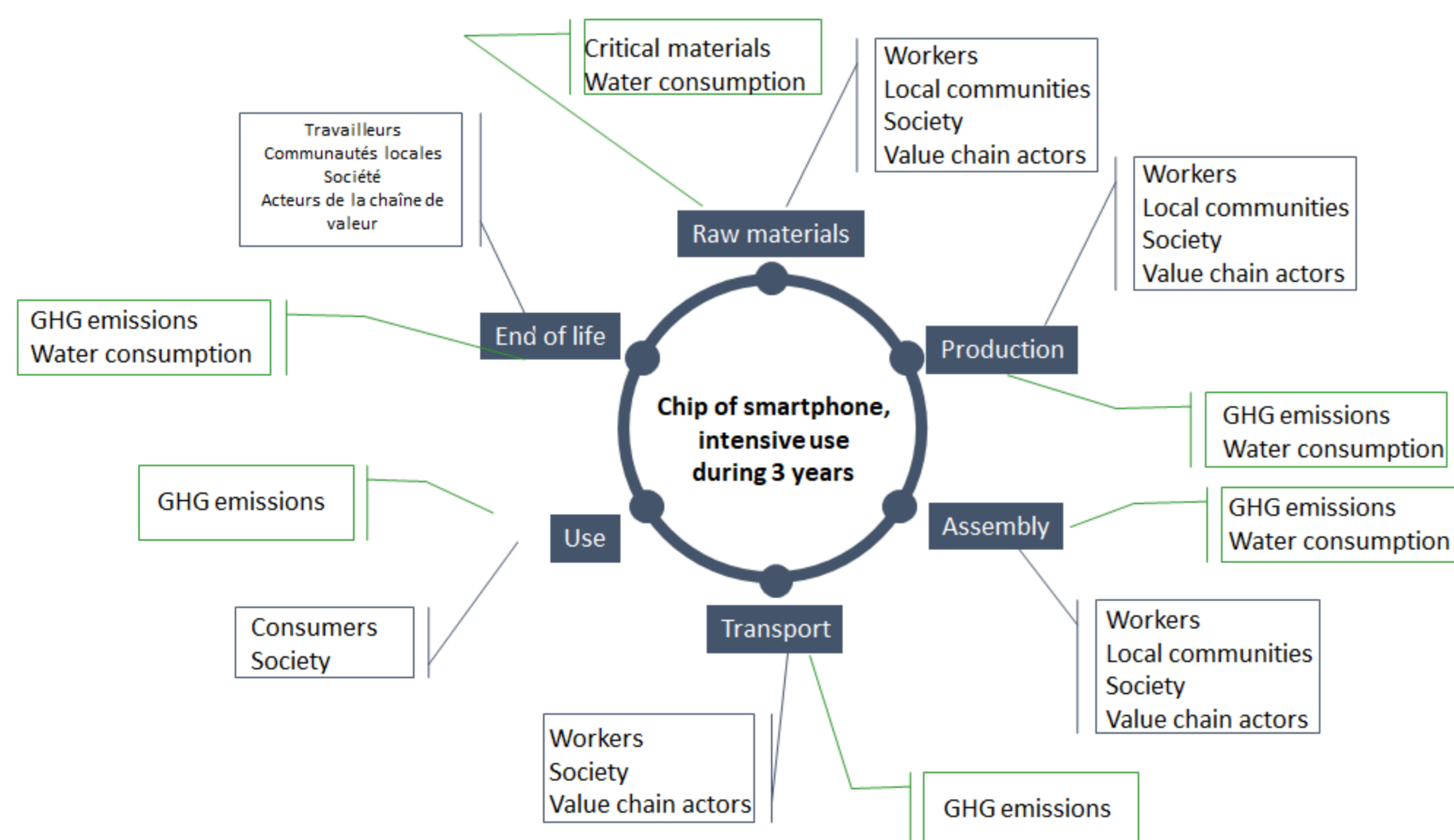
- Possibility of choice between
  - Separate models and databases
    - LCA models based on physical flows and ecoinvent environmental data
    - S-LCA models based on monetary flows and PSILCA social data
  - Common model and joint database
    - Eco-social LCA model based on physical flows and ecoinvent-soca environmental and social data

## Eco-social LCA methodology



## Eco-social LCA for electronics

□ Case study: Integrated Circuit of a smartphone



Preliminary results to be finalized