

Sustainn Findings

Project Type: Life Cycle Sustainability Assessment

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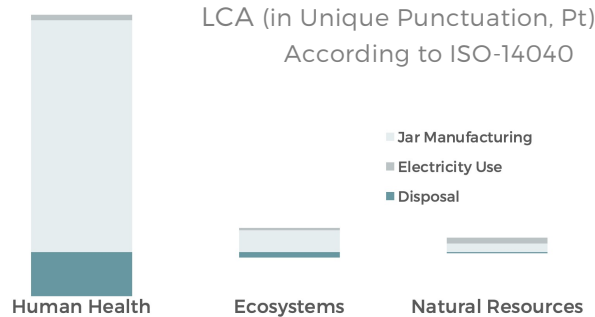
Life Cycle Sustainability Assessment (LCSA) – FOOD PRODUCT – 4 Steps (*)



Step 1 Life Cycle Assessment (LCA) - Environment

Environmental Impact Critical Parameters:

- Packaging manufacturing and transport to factory
- Energy consumption on manufacturing process
- Transport to distribution points



Step 4 LCSA - Critical Parameters for Sustainability

Sensitivity assessment to:

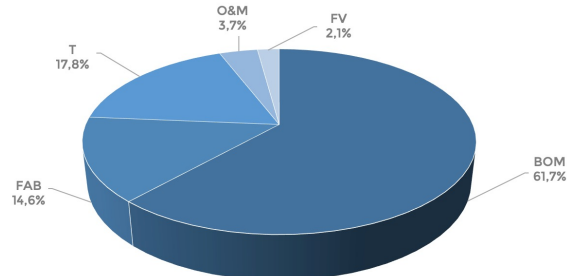
- Costs volatility (raw materials, manufacturing process energy consumption)
- Transportation distances variation
- EPR financial guarantee increase

Sustainability improvement opportunities:

- Define DfS (Design for Sustainability) requirements related to:
 - Green Procurement
 - Recycled content of packaging
 - BREF's
 - Transportation means (i.e.: EURO6)
 - Design for all
- Carbon Footprint reduction
- Develop impact indexes (i.e.: Nutrient Density to Climate Impact index)

Step 2 Life Cycle Cost Assessment (LCC)

Life Cycle Cost Distribution & Critical Parameters Identification



Step 3 Social Life Cycle Assessment (SLCA)

- Stakeholders identification & prioritization
- Social impact indicators identified
- Identification of actions contributing to SDGs



(*) LCSA methodology supported by UN Environment Programme (UNEP/SETAC Life Cycle Initiative)