Sustainn Findings
Project Type: Life Cycle Sustainability Assessment

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

Product & Company Details

PRODUCT  **Chickpeas Brik**

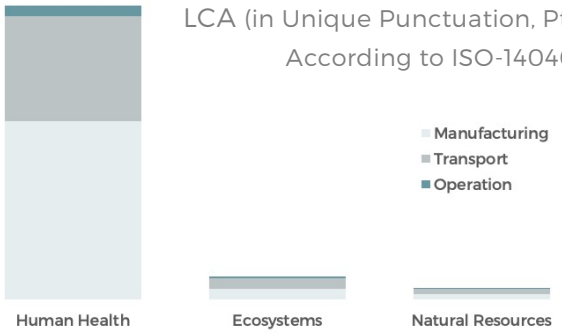
COMPANY

Business Model	Employees	Sector	Activity
B2C	150	Food Industry	Producer

Step 1 Life Cycle Assessment (LCA) - Environment

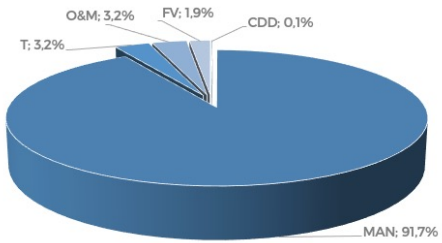
Environmental Impact Critical Parameters:

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



Step 2 Life Cycle Cost Assessment (LCC)

Life Cycle Cost Distribution & Critical Parameters Identification



Step 3 Social Life Cycle Assessment (SLCA)

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

Step 4 LCSA - Critical Parameters for Sustainability

Sensitivity asessment 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:
  - Recycled content and recyclability of materials
  - Renewable energy used throughout the life cycle
  - Transportation means (i.e: EURO6)
- Sustainability certificates
- Develop impact indexes (i.e.:Nutrient Density to Climate Impact index)

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

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