



HAL
open science

DataVisualisation of LCA How to share hotspots and communicate on sustainable products

Florent Blondin

► **To cite this version:**

Florent Blondin. DataVisualisation of LCA How to share hotspots and communicate on sustainable products. LCM, Sep 2017, Luxembourg, Luxembourg. . hal-01996813

HAL Id: hal-01996813

<https://hal.science/hal-01996813>

Submitted on 28 Jan 2019

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

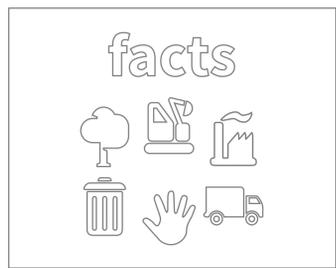
DATA VISUALISATION IN LCA

HOW TO SHARE HOTSPOTS AND COMMUNICATE ON SUSTAINABLE PRODUCTS?

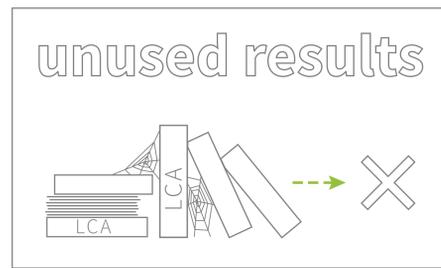
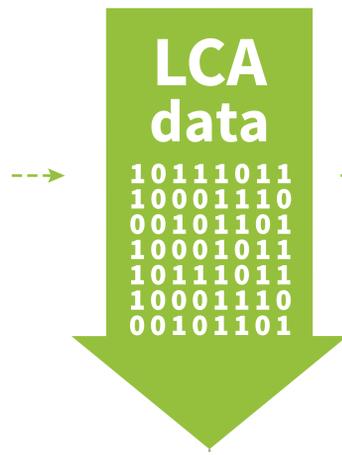
Florent Blondin - Environmental Picture - Annecy - France

KEYWORDS: HOTSPOT ANALYSIS, PRODUCT SUSTAINABILITY, VISUALIZATION, CONSUMER INFORMATION, COMMUNICATION, SUSTAINABLE PRODUCT IDENTIFICATION

INTRODUCTION



With the democratization of PCR (for Product Category Rules), LCA needs to be easily understandable and shared



LCA reports are not exploited to the full by decision makers to take environmental-friendly decisions



METHODOLOGY

1. COMPARE AND "ENRICH" LCA

different products from the same company fulfilling the same FU (functional unit)
different versions of the same product

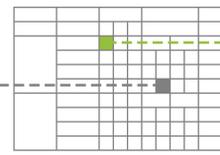
to IDENTIFY
ECOFRIENDLY PRODUCTS
ECODESIGNED PRODUCTS

2. FILTER ONLY ESSENTIAL INFORMATION



HOTSPOTS

HOTSPOTS



ENVIRONMENTAL STRENGTHS

3. VISUALISE TO ENHANCE INFORMATION

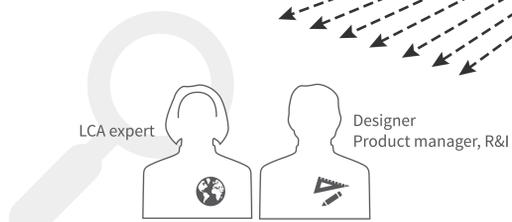
"Data visualization" or "graphical representation of data" is a visual summary of figures which can, more precisely, be defined as "information which has been abstracted in some schematic form, including attributes or variables for the units of information"[1]. For example Histograms, Camemberts, Tables, and Trees are widely used at the moment to present LCA results. But there are over a hundred existing visualizations to choose from [2].



DATA VISUALISATION

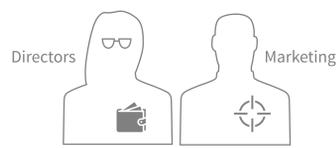


PROVIDE THE RIGHT INFORMATION TO THE RIGHT PEOPLE



Ecodesign

Provide easily hotspots to designer to make ecodesign



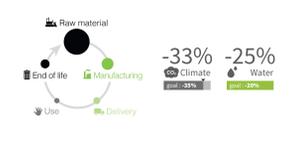
Decision

Provide relevant and dynamic information to decision-makers to follow the progression of objectives

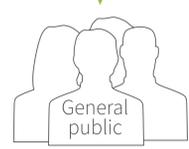


Communication

Highlight environmental strengths of eco-designed products to communicate on their performance



-33% Climate
-25% Water



CONCLUSION

- LCA result importation
- Datavisualisation generation
- LCA potential revealed

a solution proposed by
ENVIRONMENTAL PICTURE
contact@environmental-picture.com

I'm not far
Call me

