

LIFE CYCLE ASSESSMENT

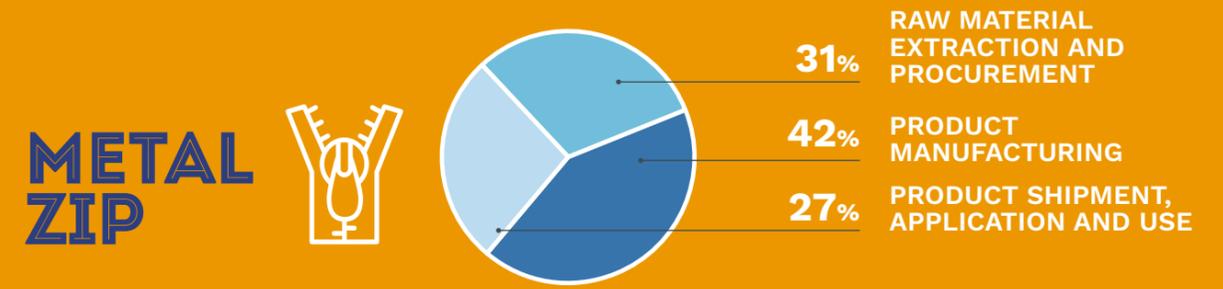
TRUE SUSTAINABILITY, ACCORDING TO RIRI, SHALL ENTAIL FULL INTEGRATION AND INVOLVEMENT IN EVERY STEP OF THE WAY, FROM RAW MATERIAL EXTRACTION TO THE DOWNSTREAM PHASE.

This is why Riri has chosen an approach based on Life Cycle Thinking, by applying the methodology of what is known as Life Cycle Assessment (LCA). It is an internationally acknowledged procedure aimed at a quantitative evaluation of the potential impact of any product, service or process on the environment throughout their life cycle; the LCA method allows for a comparison between products that serve the same purpose, in order to upgrade both the product itself and the relevant process. It entails the following macro-phases:

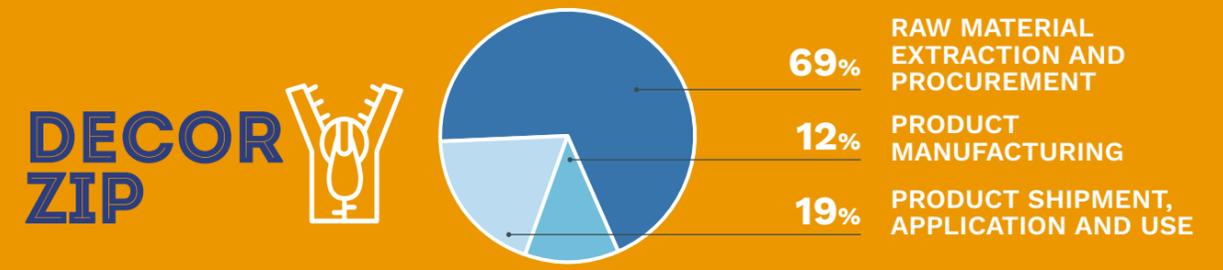


As early as the end of 2023, Riri will be in a position to estimate the environmental impact of all of its products, from zips to buttons, including metal components and fashion jewels. This will support the company in its path towards continuous improvement, as well as allowing both luxury brands and its customers to make increasingly sustainable choices.

EXAMPLES OF BREAKDOWN OF A PRODUCT'S LIFE CYCLE



The life cycle analysis of the Metal zip, with its pre-cut brass teeth and GRS-certified recycled polyester tape, confirmed the significant impact associated with raw material extraction (mainly brass). This led to selecting an alternative material: higher than 80% recycled brass. In order to optimise its manufacturing phase, mainly involving the transport of semi-finished products, Riri selected a supply chain close to the Group plants.



The life cycle of the Decor zip, with its acetal resin teeth and GRS-certified recycled polyester tape, mainly involves the raw material extraction phase. This is why Riri has chosen recycled and recyclable plastics as raw materials for its new product: the mono-material Decor zipper 100% recyclable polyamide.

RAW MATERIALS USED	CO ₂ equivalent %
Virgin polyester vs recycled polyester	-32%
Virgin polyamide vs recycled polyamide	-82%
Recycled brass (used previously) vs recycled brass (used currently)	-50%

SOURCES: KME (<https://www.kme.com/en/about-us/sustainability>) for the recycled brass policy / Ecoinvent 3.9 (<https://ecoinvent.org/>)