NEED
COOPBOX Group is a leading manufacturer in the European food packaging industry.

In line with the Group environmental liability strategy, COOPBOX was looking for a software solution to rapidly assess the environmental performance of a wide range of different products to appreciate the metrics and address any improvement solutions.

RESPONSE
LCE developed a customized software tool for assessing the life-cycle environmental impacts of Coopbox’s products.

The web tool was tailored on the Group’s specific needs, focusing on two different type of users (R&D, Marketing&Sales operators) and two different environmental indicators: carbon footprint and gross energy requirement.

Through the Life Cycle Assessment methodology, the tool identifies main environmental hotspots, giving back relevant and valuable information for the packaging sustainable re-design.

OUTCOMES
Coopbox has definitely improved and simplified the eco-design processes conducted by the research and development division. Nowadays, the COOPBOX Carbon Footprint Tool is used for several purposes, including multi-product comparisons and complex simulations.

The tool also releases synthetic product environmental performance sheets, used by other division of the Group (e.g. marketing&sales) for communication purposes.

ADDED VALUE
“COOPBOX Carbon Footprint Tool has become an important step in our new packaging development process. It provides information to improve existing packaging, in the view of reduction of the environmental footprint of our products and production processes”
Claudio FORNACIARI, COOPBOX Group R&D dpt