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Consortium:

Leader: Instituto Tecnológico del Calzado y Conexas - INESCOP (Spain)



European Confederation of the Footwear Industry - CEC (Belgium)



Confédération Européenne de l'Industrie de la Chaussure
European Confederation of the Footwear Industry

Centro Tecnológico do Calçado de Portugal -CTCP (Portugal)



Institute of Leather Industry in Cracow -IPS (Poland)



Federación de Industrias del Calzado Español- FICE (Spain)



CGS Group (Italy)



CO2Shoe

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www.co2shoe.eu

CO2Shoe -

A Carbon Footprint Calculation Tool for the footwear sector

The calculation of the carbon footprint is a challenge for many industrial sectors, particularly because they often include a wide range of components and/or stages in their manufacturing processes and during the process lifecycle. In addition, there are many calculation methodologies in use and under development, which result on large differences between the results obtained according to the methodology employed.

Description

The CO2Shoe project aims at developing a specific carbon footprint calculation tool for the footwear sector, which allows companies to measure the greenhouse gas emissions (GHG) produced when manufacturing a pair of shoes. With this tool, companies will be able to identify the aspects of the manufacturing process that need to be addressed in order to optimise their resources, decrease their energy consumption, and consequently, reduce the GHG emissions released into the atmosphere. In the pilot, the carbon footprint of 36 models of footwear will be calculated, and a report will be produced on each model with the results and recommendations on how to reduce their carbon footprint. The second phase will consist of measuring the CO2 reduction for each model.

Objectives

- To study the existing methodologies to carry out the life cycle assessment and to calculate the carbon footprint of a product.
- To develop and agree on a specific tool for the calculation of the carbon footprint of a pair of shoes, and for different footwear styles.
- To raise awareness among footwear companies about the environmental impact, in terms of contribution to global warming, derived from manufacturing processes, and the need to reduce it.
- To spread the use of the developed tool among European footwear companies.

Planned outcomes

- Creation of a carbon footprint calculation tool for footwear able to quantify GHG emissions, expressed in CO₂ equivalents. The use of the tool will represent an element of product differentiation, which will indicate quality and transparency, as well as will help boosting companies' competitiveness.
- Application of the calculation tool to 36 different footwear styles.
- Optimize companies' processes in terms of energy consumption, water, raw materials

Contacts

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