



INSTITUTE  
OF LEATHER  
INDUSTRY

# CO2Shoe

NEWSLETTER

<http://co2shoe.eu>



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## REDUCTION OF CARBON FOOTPRINT IN ENTERPRISES

Our project Footwear carbon footprint is coming to the end. We are proud to be able to present the results of FOOTWEAR CARBON FOOTPRINT project (CO2Shoe) project conducted through several years. Our built-in footwear carbon footprint calculator has been used to monitor the progress made towards reducing greenhouse gas emissions from shoe manufactured by European footwear companies and thus reducing the adverse environmental impact of footwear industry.

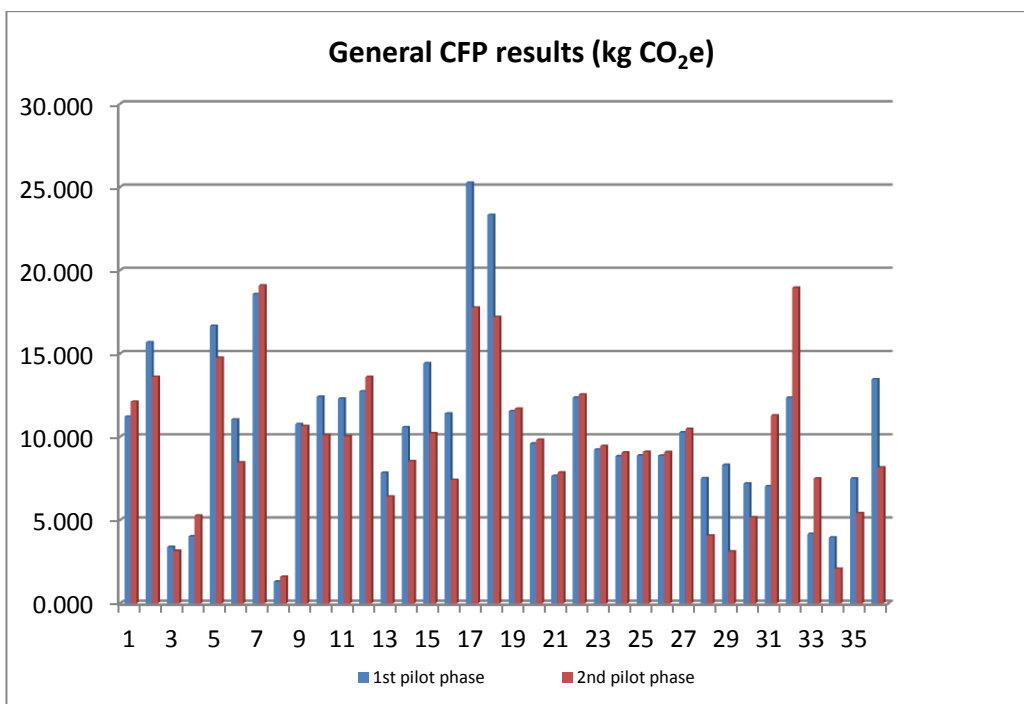
We have obtained and analyzed data on the production of 36 shoe models from 16 footwear companies located in four European Union countries. Carbon footprint calculations for the shoe models studied at intervals of a dozen or so months allowed us to answer the question whether, and to what extent, the knowledge we provide to footwear

companies in terms of carbon footprints and the ways of reducing Carbon Footprint of Product (CFP), as well as the actions taken by enterprises, influenced the quantity of greenhouse gas emissions.

The diagram below shows the quantity of carbon footprint for footwear in the first and second pilot phase. For most models tested, the carbon footprint decreased. The average CFP value was 10,601 kilograms of CO<sub>2</sub>e in the first phase and 9,577 kilograms of CO<sub>2</sub>e in the second phase, resulting in a reduction in greenhouse gas emissions of around 6%.



General CFP results (kg CO<sub>2</sub>e)



## LONG-TERM BENEFITS

### Environmental benefits

- Considering that every year about 920 million pairs of shoes are produced in the EU (Source: World Footwear 2016), a 6% reduction in emissions in the EU could imply the reduction of 513,700 tonnes of CO<sub>2</sub>e/year.
- Also, if these figures were extrapolated to the global footwear production (about 23,000 million pairs of shoes/year), a 6% reduction in emissions could imply the reduction of 12,842,400 tonnes of CO<sub>2</sub>e/year.
- In this sense, the calculation of the carbon footprint of footwear contributes to the fight against climate change.

### Socio-economic benefits

- Allows the reduction in costs thanks to the optimisation of production processes, resources and consumption.
- Reinforces the product, brand or company image.
- Increases sales and employment opportunities, and can even be an advantage in public procurement processes.
- Allows the incorporation of eco-design aspects in footwear manufacture, which can lead to reductions in production costs.



*In order to determine the carbon footprint, shoes are dismantled into parts that are then separately weighed.*

**The CO<sub>2</sub>Shoe project has been carried out with the contribution of the LIFE financial instrument of the European Union.**

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