



LIFE GreenShoes4All - Footwear environmental footprint category rules implementation and innovative green shoes ecodesign and recycling

LIFE17 ENV/PT/000337

[Project description](#) [Environmental issues](#) [Beneficiaries](#) [Administrative data](#)
[Read more](#)

Contact details:

Contact person: Maria José Pinto Ferreira
Tel: 351914444294
Email: MJose.Ferreira@ctcp.pt

Project description:

Background

In 2016, the European footwear industry emitted the equivalent of an estimated 10 million tonnes of CO₂ and 500 000 tonnes of waste. Approximately a third of the raw materials discarded by shoe manufacturers are polymers that are currently challenging to recycle. At present, producers within the footwear industry do not agree on a quantitative definition of green manufacturing. EU rules are moving towards harmonisation to better inform consumers and protect the environment, but existing tools, notably life-cycle assessments, eco-labels and carbon footprint calculations, are ill-suited to the footwear sector and challenging to implement. With no universal targets, shoe manufacturers struggle to market the green credentials of environmentally sustainable goods. Sector-wide standards based on tangible numbers and clear labelling schemes could help unlock a market for environmentally sustainable footwear, reducing burdens on landfills and mitigating greenhouse gas emissions from the sector.

Objectives

The LIFE GreenShoes4All project sets out to provide clear information and accurate measurements on the environmental impact of footwear products, as set out in Commission Directive 2013/179/EU on the use of common methods to measure and communicate the life cycle environmental performance of products and organisations. The project will roll out a Product Environmental Footprint methodology to help companies involved in manufacturing shoes to measure the environmental performance of their goods. In line with the roadmap to a resource efficient Europe, the metrics will encompass supply chain activities from the extraction of raw materials and industrial production to product use and waste management.

The project will notably propose more tangible targets on raw materials, plastic waste and greenhouse gas emissions. Improved transparency in these areas could help foster innovative eco-design within the footwear industry, consolidate trust in environmental performance measurements and unlock a market for greener products.

Expected results:

- Implement the first draft of Product Environmental Footprint Category Rules (PEFCR) for companies in the EU footwear sector;
- Validate sustainable business models for recycling plastic in the footwear sector;
- Incorporate 20-60% of recycled material into newly manufactured products;
- Reduce greenhouse gas emissions of new shoe manufacturing processes by 15%;
- Reduce polymer waste in shoe manufacturing by over 70%;
- Promote results throughout the footwear industry and raise consumer awareness of the environmental opportunities of greener manufacturing.

Results

[Top](#)

Environmental issues addressed:

Themes

Waste - Waste recycling

Keywords

plastic waste, environmental assessment, life-cycle management, clothing industry, resource conservation, environmentally friendly product, waste recycling

Target EU Legislation

- Waste
- Directive 2008/98 - Waste and repealing certain Directives (Waste Framework Directive) (19.11.200 ...
- COM(2014)398 - "Towards a circular economy: a zero waste programme for Europe" (02.07.2014)

Natura 2000 sites

Not applicable

[Top](#)

Beneficiaries:

Coordinator	Centro Tecnológico do Calçado de Portugal
Type of organisation	Development agency
Description	Centro Tecnológico do Calçado de Portugal (CTCP) is a non-profit test centre for footwear in São João da Madeira, Portugal. It also conducts research and technological innovation on industries related to footwear, including leather goods, accessories, rubber and plastic components, footwear machinery and professional software.
Partners	FICE- Federación de Industrias del Calzado Español, Spain Confédération Européenne de l'Industrie de la Chaussure, Belgium ATLANTA - COMPONENTES PARA CALÇADO LDA, Portugal AMF, LDA, Portugal ASOCIACIÓN DE INVESTIGACIÓN PARA LA INDUSTRIA DEL CALZADO Y CONEXAS, Spain SC PESTOS PRODUCTION SRL, Romania Associação Portuguesa dos Industriais de Calçado, componentes e artigos de pele e seus Sucedâneos, Portugal EVATHINK S.L., Spain The National Research and development Institute for Textiles and Leather - INCDTP -Division: Leather and Footwear Research Institute (ICPI - INCDTP-ICPI), Romania

[Top](#)

Administrative data:

Project reference	LIFE17 ENV/PT/000337
Duration	01-OCT-2018 to 30-SEP -2022
Total budget	1,120,129.00 €
EU contribution	659,640.00 €
	Vlaams Gewest(België - Belgique) Région Wallonne(België - Belgique) Bruxelles-Brussel(België - Belgique) Galicia(España) Asturias(España) Cantabria(España) País Vasco(España) Navarra(España) Rioja(España) Aragón(España)

Project location

Madrid(España) Castilla-León(España)
Castilla-La Mancha(España)
Extremadura(España) Cataluña(España)
Comunidad Valenciana(España)
Balears(España) Andalucía(España)
Murcia(España) Ceuta y Melilla(España)
Canarias(España) Norte(Portugal) Associated
Romania(Romania) Nord-Vest(Romania)
Centru(Romania) Nord-Est(Romania)
Sud-Est(Romania) Sud-Muntenia(Romania)
București-Ilfov(Romania) Sud-Vest
Oltenia(Romania) Vest(Romania)

[Top](#)

Read more:

Project web site [Project's website](#)

[Top](#)

[Project description](#) [Environmental issues](#) [Beneficiaries](#) [Administrative data](#)
[Read more](#)