



LIFE16 ENV/ES/000173

**Promote the implementation of the
Environmental Footprint Methodology
in the dairy sector at European level**



This Project is funded by EU's Life Programme

The Product Environmental Footprint (PEF) is a multi-criteria measure of the environmental performance of a good or service throughout its life cycle. PEF information is produced for the overarching purpose of seeking to reduce the environmental impacts of goods and services taking into account supply chain activities (from extraction of raw materials, through production and use, to final waste management).

Objectives

The main objective of the project is to promote the implementation of the **Product Environmental Footprint Methodology (PEF)** at European level as key tool to assess and to communicate life cycle environmental performance to business consumers and stakeholders.

01 Demonstration under real conditions of the technical, environmental and economic feasibility of an innovative tool enabling the realization of PEF compliant studies by Food and Drinks SMEs and the identification of focused environmental measures for lowering their environmental impacts.

02 Large-scale demonstration of the developed tools by assessing the environmental footprint of 30 dairy products in France and by implementing environmental measures provided by the software application to lower the environmental footprint of 6 dairy products.

03 Demonstration of Transferability Potential of the developed tools to other Member States through Replication Tests in dairy companies of Spain and Portugal.

04 Prevention of CO₂ emissions through mitigation measures improving the energetic efficiency of Dairy SMEs and consequently reducing, direct or indirectly, their greenhouse gas emissions.

05 Implementation of awareness raising strategies to consumers and stakeholders to increase their familiarity and understanding of PEF.

Product Environmental Footprint (PEF)
PEF - Category Rules for the Dairy Sector



Database on Environmental Technologies

INTERACTIVE WEB TOOL

Demonstration actions in **France**
> 5 Pilot Groups
> 30 PEF and PEFCR Compliant Studies
> 8 Environmental Technologies







Replication actions in **Spain & Portugal**
> 4 Pilot Groups
> 10 PEF and PEFCR Compliant Studies
> 2 Technical Showcases


Transfer of project outcomes to **European Food and Drink Associations**

Expected impacts

By identifying critical chain elements inducing higher environmental impacts in dairy products and by identifying a set of measures lowering their impacts, the following environmental indicators will be achieved on Dairy SMEs;

-  Prevention of 10% of water consumption and 10% of wastewater generation.
-  Prevention of 15% of energy consumption.
-  Prevention of 5% of waste generation.
-  Prevention of 84 tones/year of CO2 emissions during the project implementation.

By lowering operating costs of participating Dairy companies and improving their market penetration, the following socio-economic results will be obtained:

-  10% of reduction in the cost per ton of dairy product manufactured.

Life Render in a nutshell

Location	France, Spain and Portugal
Start date	04/09/2017
Duration	39 months
Budget	1,717,552,00€
EC LIFE + PROGRAMME Contribution	924,163,00€

Lead Partner



INKOA: A company of Engineering and specialized Consultancy in contributing Integral and Innovative Solutions in the Food-processing Sector.

CONTACTS :

- Project Coordinator : Idoia Unzueta - idoia@inkoa.com
- Project Technical Manager : Amaia Uriarte - a.uriarte@inkoa.com

Project Partners



ACTALIA - Agri-Food Research and Technology Institute



ANIA - French organization representing the food industry



CLS - Coopérative Laitière de la Sèvre



Deloitte. **Deloitte** - Consulting Firm in the field of Sustainability



FIAB - The Spanish Food and Drink Industry Federation



FIPA - The Portuguese Agri-Food Industry Federation

www.life-render.com