



*«LIFE – The Tough Get Going»*

*Il primo progetto per migliorare la sostenibilità delle produzioni DOP e IGP*



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# Grana Padano: the most produced and consumed PDO Cheese (*some numbers 2024*)

Production	5,635,153 wheels (+3.27% vs 2023),
Average weight wheels	38.91 kg
Dairy farm	3,726
Dairy factory	135
Packaging factory	197
Workers	50,000
Milk	2,953,196 ton ( <i>approximately 22.5% of national production</i> )



Territories: of 34 provinces in 5 regions of Northern Italy

Production: Certified milk comes from 21 provinces and is processed in 13 provinces

*Approximately 75% of production*

Export 2024

52% of production



# LIFE Project – The Tough Get Going (TTGG)



LIFE  
The  
Tough  
Get  
Going



LIFE 16 ENV/IT/000225 - LIFE TTGG  
www.lifettgg.eu

**Budget:** 2,148,987 € (Contribution UE 1,270,869 € - 59%)

**Period:** 5 years (July 2017 – June 2022)

**Coordinator:** Dipartimento di energia – Politecnico di Milano



POLITECNICO  
MILANO 1863



UNIVERSITÀ  
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del Sacro Cuore



oriGIn



**Objective:** develop a software to calculate and reduce the environmental footprint (cradle-to-grave approach) of PDO cheeses



European Commission

**Not Just the Impact on Global Warming Potential – 16 Environmental Indicators**

## PEF

**Purpose:** optimize the environmental and economic performance of the actors involved (farms, dairies and packaging producers) and increase the environmental awareness of individual producers and consumers

Supply chain data collection:

- 67 Dairy farms
- 20 Dairy factories - Cheese ripening
- 18 Packaging factories

Environmental impact processing

- PEFCR Dairy (Method EF) Functional unit: 10 g DM; Farm allocation (meat-milk): biophysics; Dairy allocation (milk-whey): mass and DM; Food waste: 8% consumer
- Validation by independent third parties

**EDSS**  
**Environmental**  
**Decision**  
**Support**  
**System**





# LIFE TTGG: key environmental results

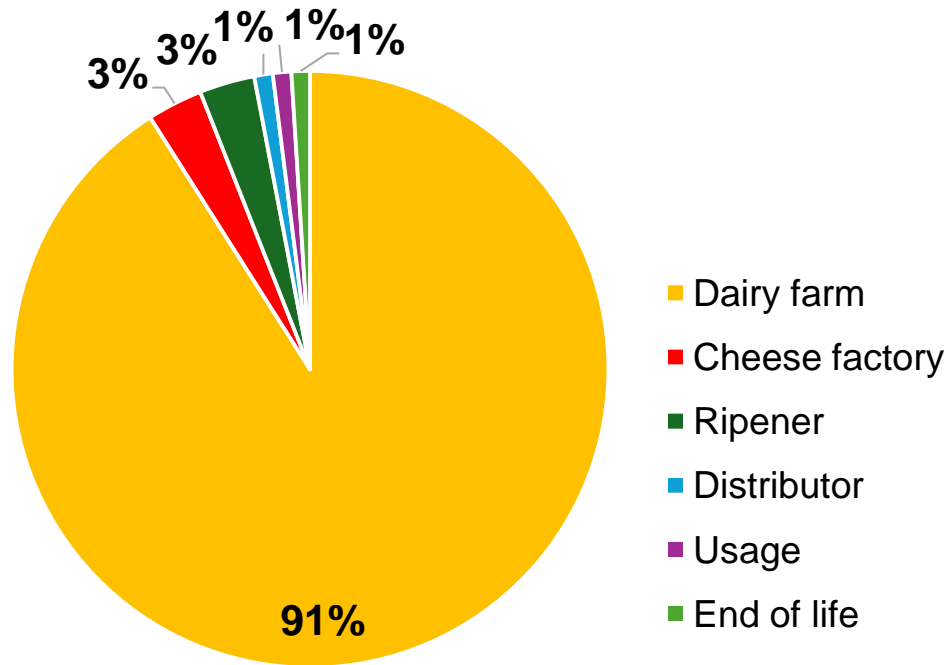


Datasets created and certified «ILCD entry level»:

- 3 datasets for the dairy farms
- 3 datasets for the dairy factories
- 1 dataset for packaging factories



**1 average dataset for the Grana Padano PDO supply chain**



- Benchmark
- How do I locate it?
- Opportunity for a sustainable transition

# EDSS: the road to sustainable supply chain development



## MEASURE

EDSS calculates the environmental footprint of products



## IMPROVE

EDSS identifies specific actions to reduce the environmental footprint

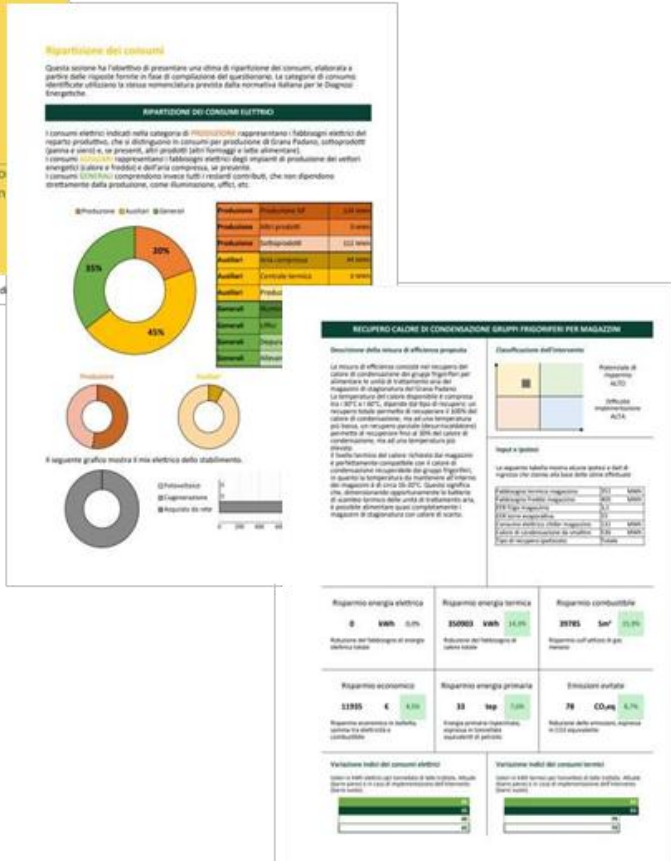


## COMMUNICATE

EDSS generates the results needed to comply with the *Made Green in Italy*



# EDSS: specific reports for



## Environmental Product Footprint Declaration



## Environmental Footprint Reduction Actions

# Made Green in Italy Scheme



PEFCR Dairy

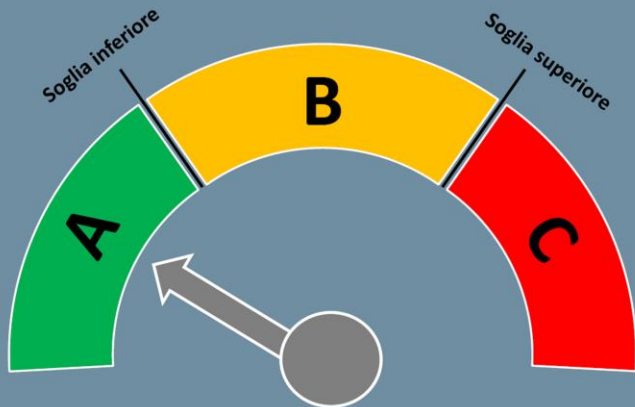


Schema nazionale volontario «Made Green in Italy»

Regole di Categoria di Prodotto (RCP)  
Formaggio Grana Padano DOP  
(NACE 10.51.40)

Versione: 1.0  
Validità: 24/06/2025

3 classi:



## How to do?

**EDSS tool**