



LIFE 16 ENV/IT/000225 - LIFE TTGG

Life TTGG project: a new tool for more sustainable and energy efficient PDO PGI supply chains

GI Groups leading research projects on sustainability and sustainable efficiency of PDO PGI cheese production processes

ADVANTAGES OF LIFE TTGG SOFTWARE

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COMPANIES

- Analysis of environmental impact PEF
- Optimization interventions
- Results and benchmarking
- Report of sustainability
- Made Green in Italy and EDP

CONSORTIA AND PRODUCTION CHAINS PDO PGI

- Environmental sustainability and network GI
- Single tool and homogeneous
- Improvement strategy
- Communication strategies
- facilitation of Green Deal UE incentives

The Environmental decision support system (EDSS), an innovative tool developed by the LIFE TTGG project¹, was presented at the online event “Dairies PDO and Environment: methods, tools and approaches” organized by the “Conseil national des appellations d'origine laitières” (CNAOL), in cooperation with oriGIn and the LIFE TTGG project partners on 8 June.

The event gathered representatives of the French PDO PGI dairy sector which learned about the characteristics and functioning of the tool and its possible future applications.

The EDSS is a software created to support PDO cheese producers in taking their environmental decisions. It facilitates the calculation of the environmental footprint of packaged products by applying the Product Environmental Footprint (PEF) methodology and identifies at the same time concrete and specific measures to reduce energy consumption. The EDSS software will help producers to optimize their production processes from both, an environmental and an economic point of view.

¹ The “LIFE The Tough Get Going” (LIFE TTGG) project is funded by the Life program of the European Union. It is led by Politecnico di Milano and implemented in partnership with the Consorzio di Tutela Grana Padano, University Cattolica del Sacro Cuore (Piacenza), Fondazione Qualivita, CNIEL, Enersem and oriGIn. More information at: <http://www.lifettgg.eu/en/introduction/>





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Developed, validated, and tested on the PDO Grana Padano production chain, this tool will facilitate improvements in three macro-areas of the PDO production chain: environmental performance on farms, energy efficiency in the dairy, product preservation and food waste reduction.

Furthermore, thanks to the research carried out on other European PDO cheeses involved in the LIFE TTGG project activities, the software provides some flexibility to be adapted to other PDO production chains. The application of the PEF methodology as EU standard reference aligns the software with the sustainability goals set by the EU Green Deal and Farm to Fork and will help users to benefit from policies implemented in the new European green course.

STATEMENTS

The EDSS software, developed as part of the LIFE TTGG project, makes it possible to measure, pragmatically, the environmental impacts of hard cheese production: from raw milk production through dairy processing, packaging, use, and end-of-life. As a starting point for creating the software, a systematic data collection was carried out on a representative sample of the entire Grana Padano PDO cheese production chain. The processing of the collected data allowed obtaining eight different datasets characteristic of the different production stages validated according to the International Reference Life Cycle Data System (ILCD) network of the European Joint Research Center (JRC) Commission. In addition, this elaboration allowed the creation of a set of efficient actions that enable each actor to assess its potential for improving the environmental profile and to receive concrete suggestions regarding the most effective strategy for its business reality. **Jacopo Famiglietti, LIFE TTGG Project coordinator, Politecnico di Milano (POLIMI).**

As the French dairy PDOs are more and more aware of how they contribute to sustainability objectives, this webinar was really important to share the information about how the environmental impact of our production could be taken into account. The presentation of the EDSS tool, developed with the LIFE TTGG project, showed how dairy producers can be supported to reduce their impact. **Ronan LASBLEIZ, Centre National Interprofessionnel de l'Economie Laitière (CNIEL).**

How to respond to sustainability challenges is a major issue for groups in our network and beyond. While Geographical Indications respond already to a number of those challenges, being them social, economic or environmental, the sector is committed to do more to take into account the emerging “societal” expectations of consumers. The EDSS software presented on 8 June, developed in the framework of the LIFE TTGG project, offers Geographical Indications groups a tool they can use for monitoring and improving their environmental performances. **Massimo Vittori, Managing Director, oriGIn.**

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