



LIFE The Tough Get Going

LIFE TTGG PROJECT

LIFE 16 ENV/IT/000225 – LIFE TTGG
ENVIRONMENT - RESOURCE EFFICIENCY

WEBINAR ON CONSERVATION OF
RESOURCES AND CLIMATE

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Introduction

The European Union (EU) has mentioned that **in the near future** companies will be able/will have to communicate the environmental footprint on their product labels (Roadmap to a Resource Efficient Europe. European Commission, 2011).



PEF



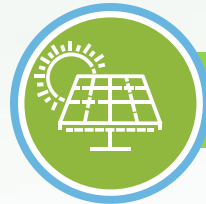
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The European Union with the Roadmap to a Resource Efficient Europe outlines how to transform Europe's economy into a sustainable one by 2050. It defines:



The energy sector as a priority



The food sector, one of the most key sectors



Circular economy action plan



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Partnership & budget

BUDGET : 2 148 987 € (EU contribution 1 270 869 € - 59%)

DURATION : 4 years (July 2017 – June 2021)

COORDINATOR: Department of energy - Politecnico di Milano

RESEARCH INSTITUTIONS:



POLITECNICO
MILANO 1863



OTHER PARTNERS:



oriGIn



ENERSEM

QUALIITA

Goal and scope

OBJECTIVE: developing a software to calculate and to reduce the environmental footprint (cradle to grave approach) of PDO cheeses.



PEF

Not just about climate change:
16 environmental indicators

SCOPE: optimising the environmental and economic performance of the involved players (**farms, dairies and packaging manufacturers**) and raising the environmental awareness of individual manufacturers and consumers.



An integrated approach

- ✓ For Consortia, farms, dairies, and packers.
- ✓ LCA study carried out by all the supply chain actors with **reduced cost and time effort**.
- ✓ Comparison of **most relevant life cycle stages** with specific **KPI**.
- ✓ Results comparison with **benchmarks**.



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Involved European PDO



MAIN CONSORTIA



PRELIMINARY TEST PHASE



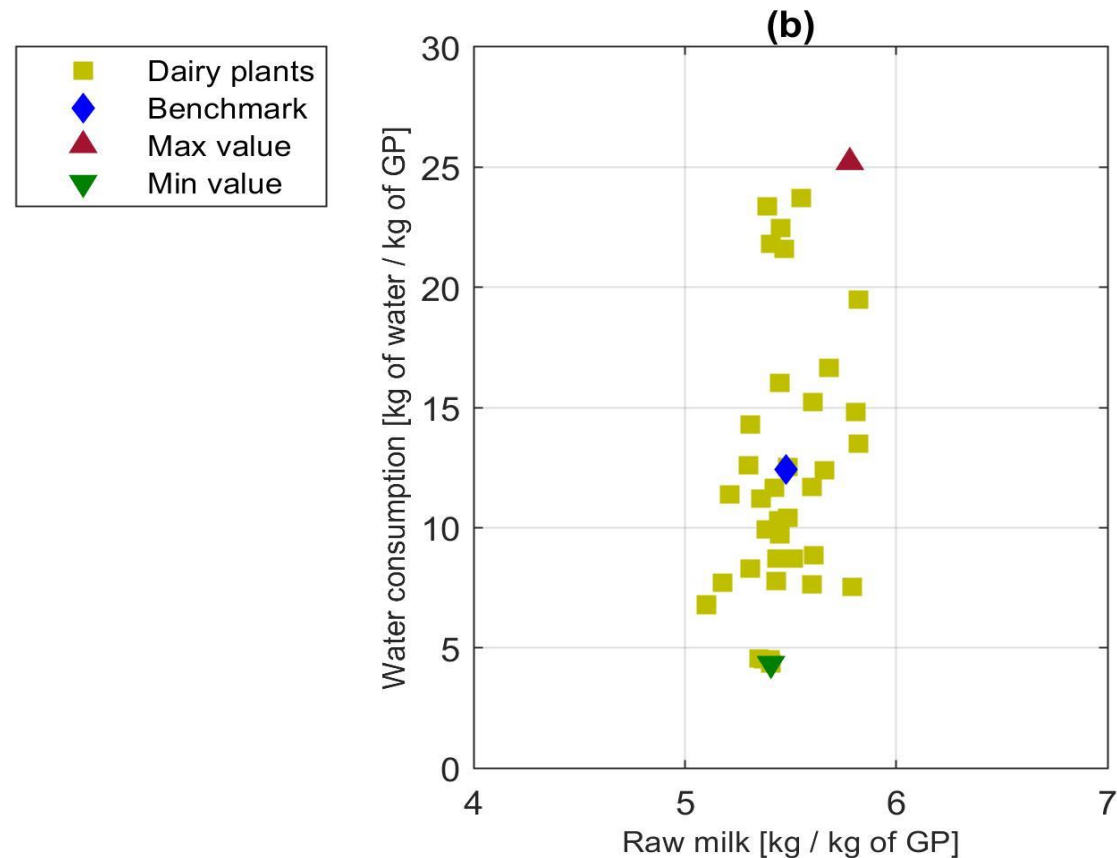
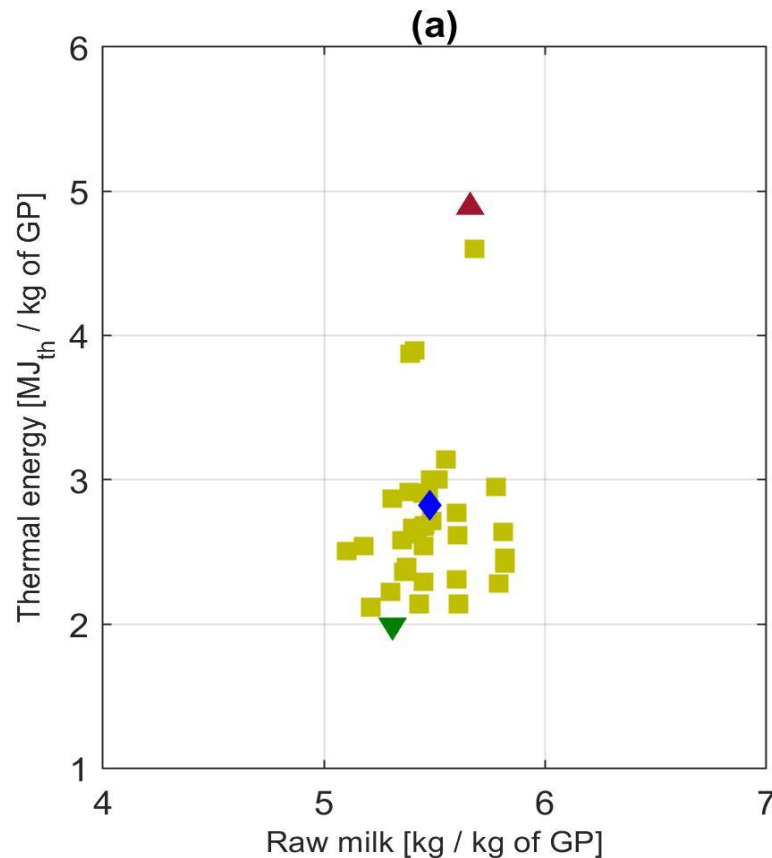
FINAL TEST (to be defined)

We are considering to carry out the final test on three Italian Consortia.



Dairy consumptions for Grana Padano PDO

The data shown consider just the amount for Grana Padano
(allocated among cheese, whey, and cream by dry matter content)



Questions

How to manage livestock manure?



How to improve energy efficiency in dairy plants?



How to reduce food loss and food waste?



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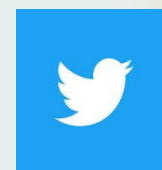
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