



meatquality.eu





Life Cycle Assessment of different poultry production systems around Europe: mEATquality project

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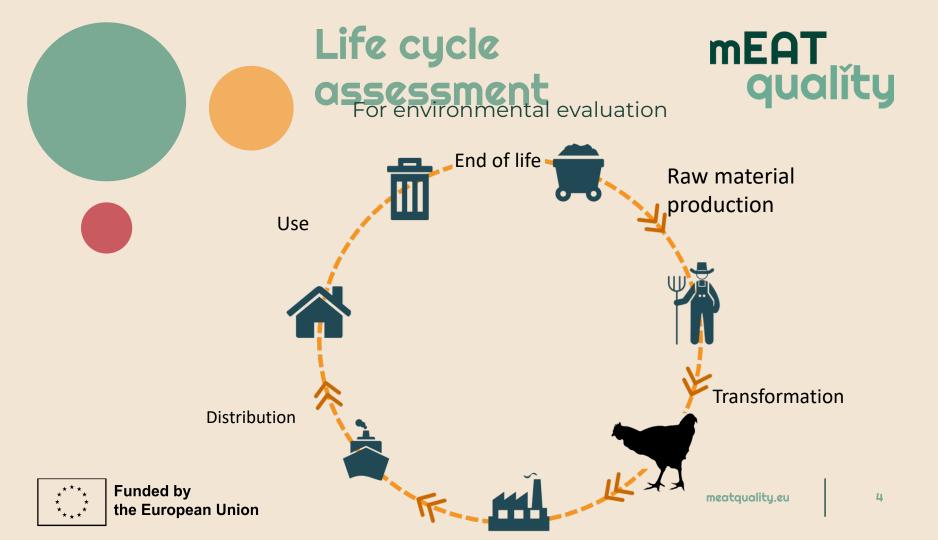


mEAT quality

One of the main objectives of the H2020 mEATquality project is to generate information about producing more sustainably through extensive husbandry practices, meeting animal welfare and environmental concerns.







PL

mEAT quality

30 poultry farms per country



Wide range of models and husbandry practices





Small farms ← Large farms







Direct interview to farmers

Functional Units:

- kg of live weight at the end of the fattening period
- kg of carcass

Limits of the system: craddle to gate







The manure handling emissions were calculated using Tier 2 equations on IPPC guidelines.

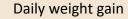
Greenhouse gas emissions from the production of environmental impact associated with external feed input, use of energy and machinery use are calculated with Agribalyse database.

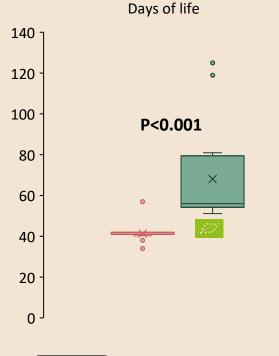
The **not differentiable emissions** such as energy consumption **are assessed by economic approach**

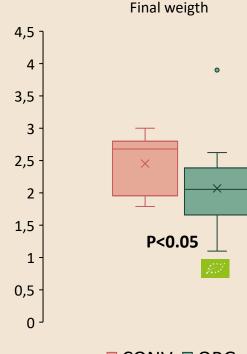
Preliminary results

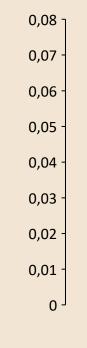
Technical parameters

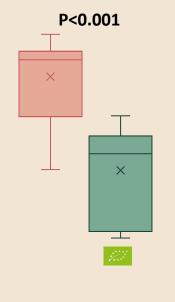












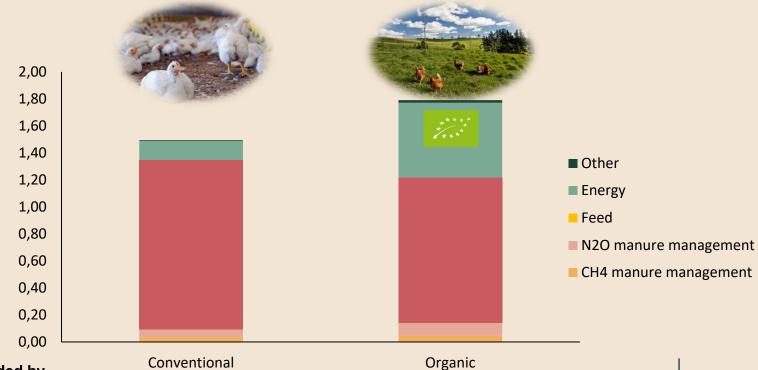
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Preliminary results

60 poultry farms

Carbon footprint







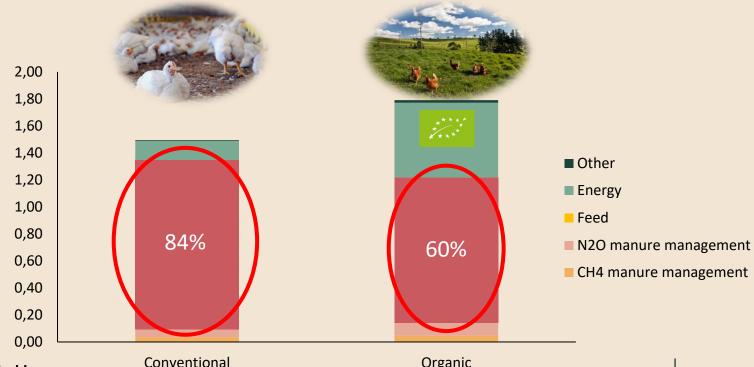
Funded by the European Union

Preliminary results

60 poultry farms









Conclusions



It is expected that the analysis of different management systems (such as stoking rate, extensification...) will show differences in the environmental impact of the farming systems.

The organic systems have less impact related to feed consumption but are less efficient in energy consumption to heat the buildings.

The feeding is the best parameter on which to act to reduce the environmental impact of poultry production, because it represent in all cases more that 60% of emissions.

mEAT quality



Thank you for your attention

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