RES4LIVE

ENERGY SMART LIVESTOCK FARMING
TOWARDS ZERO FOSSIL FUEL CONSUMPTION

General presentation

March 2021

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No.101000785

H2020 EU funded project · 2020-2024

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Coordinator

The Agricultural University of Athens

Overall budget

- € 5 815 206,88

17 partners from 8 countries

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Partners

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ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ
AGRICULTURAL UNIVERSITY OF ATHENS

AARHUS UNIVERSITY

ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

ATB

CERTH
CENTRE FOR RESEARCH & TECHNOLOGY HELLAS

CETRI
Center for Technology Research & Innovation

CRMT
Powertrain R&D

EAAP
European Federation of Animal Science

EUREC
The Association of European Renewable Energy Research Centres

GHENT UNIVERSITY

GOLINELLI
AZIENDA AGRICOLA

ILVO
Institute for Agricultural and Fisheries Research

MGSustainable

Pleg.ma
Labs

Psyctotherm

TerraEnergy
The Alternative Solution

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Concept

- **Combine RE technologies and solutions to cover the largest posible fraction of energy demand in livestock farms**
- **4 pilot farms**
- **Sectors: swine, dairy and poultry production**

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Technologies

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Adapted RES

- Photovoltaic thermal collectors
- Heat Pump
- Biogas upgrading to biomethane
  - Tractor adapted to biomethane
  - Direct combustion in CHP plants

Standard solutions

- Energy efficiency
- Electric tractors
- Organic Rankine Cycle
- RES systems
  - Geothermal
  - PV panels

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RES4LIVE pillars

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Optimisation

- **Simulation**
- **Optimised design**
- **Integrated solutions**
- **Smart energy control**
- **Energy management of adapted/standard solutions**

Replication

- **Replicate cost-effective solutions**
- **Technical, economic and environmental assessments in 4 demo-farms**

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Get involved

RES4LIVE invites you to get involved in the project through different means:

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Follow us on social media

#RES4LIVE

Drop us an email

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Thank you!

Contact

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