

## RES4LIVE

### Energy Smart Livestock Farming Towards Zero Fossil Fuel Consumption

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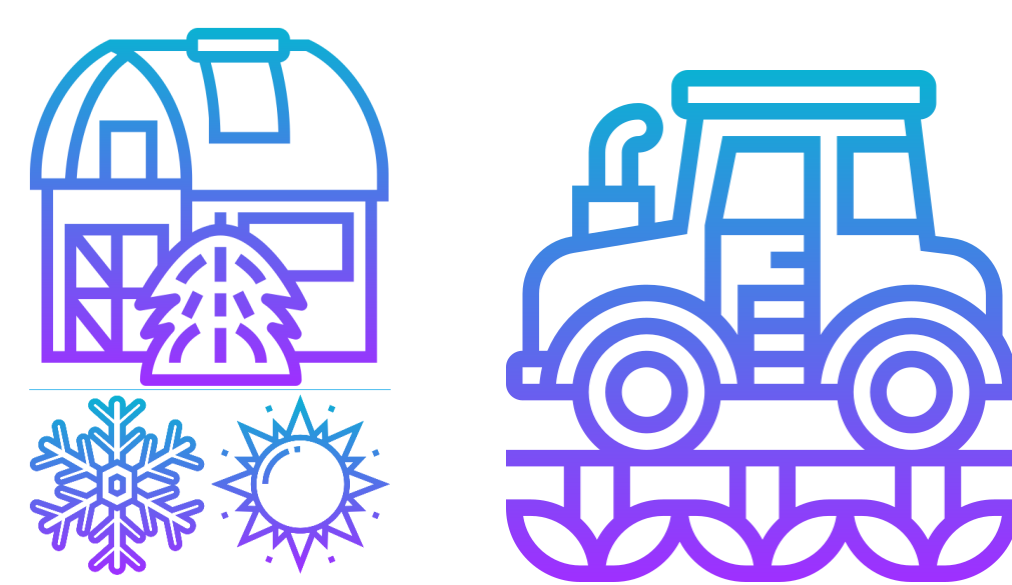
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#### Problem statement

Intensive Livestock Farming is one of the most energy consuming sub-sectors of agriculture, mainly based on fossil fuels use



Both electricity and thermal energy is required for cooling-heating of the indoor environment, running of equipment and tractors, lighting, and ventilation

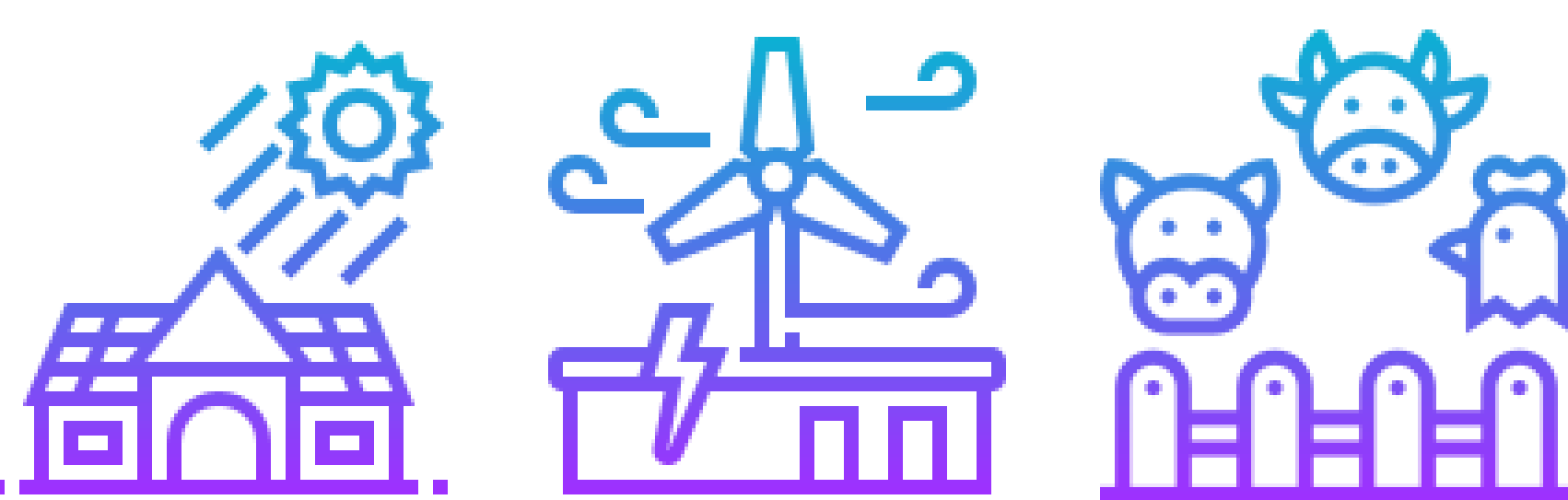


More sustainable livestock production and de-fossilising energy needs in husbandry facilities emerges as crucial aspects within EU

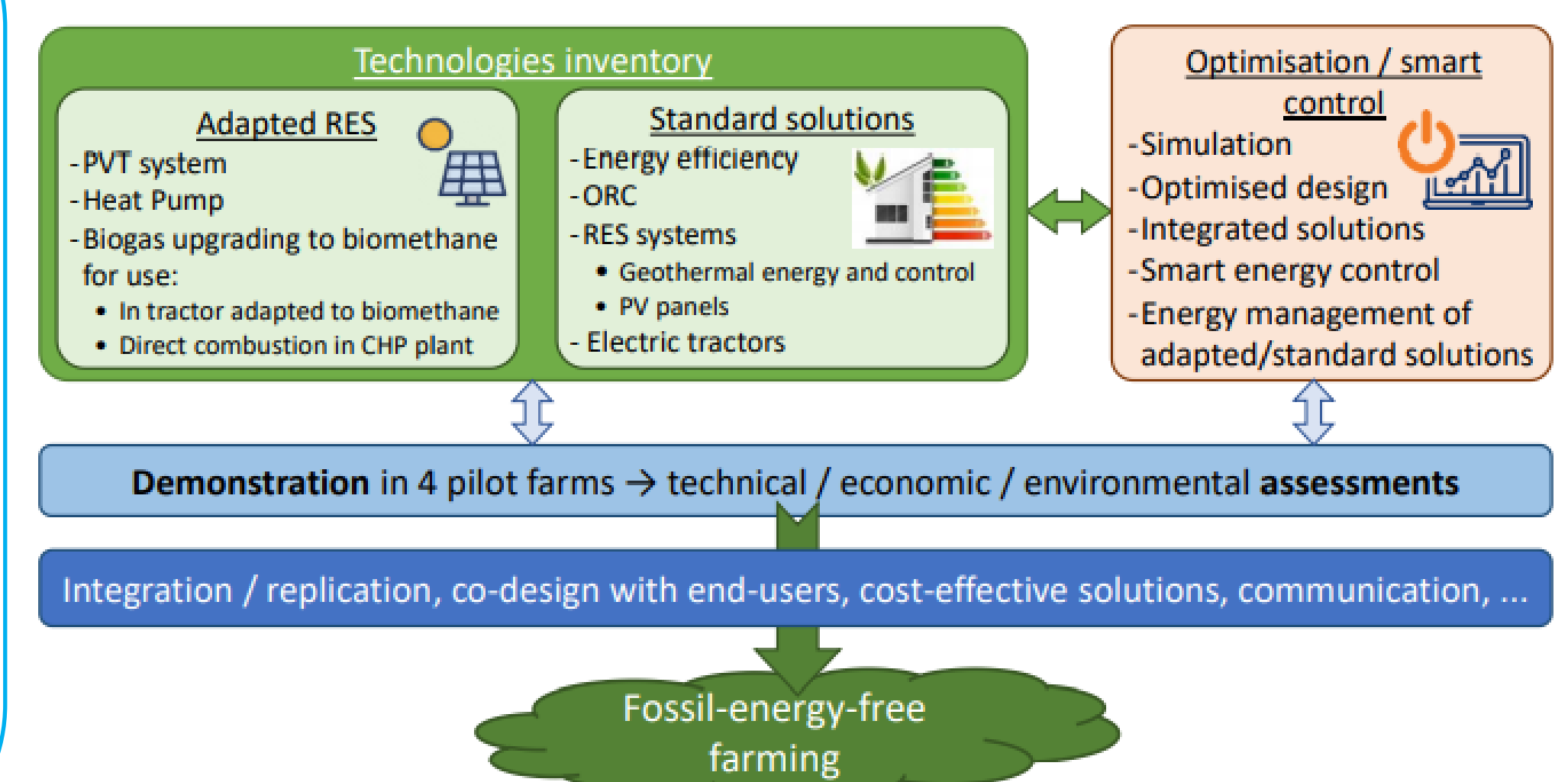


#### Proposed solution

RES4LIVE will be a first attempt for 100% replacement of the fossil fuel consumption in the industrial livestock farming sector, with the aid of cost-effective Renewable Energy Sources (RES) technologies

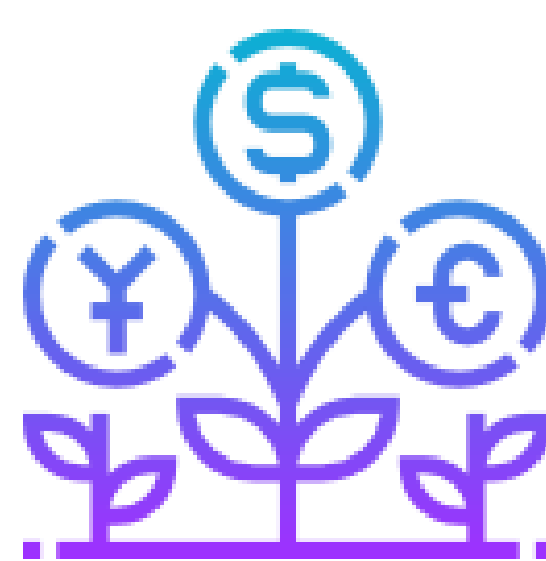
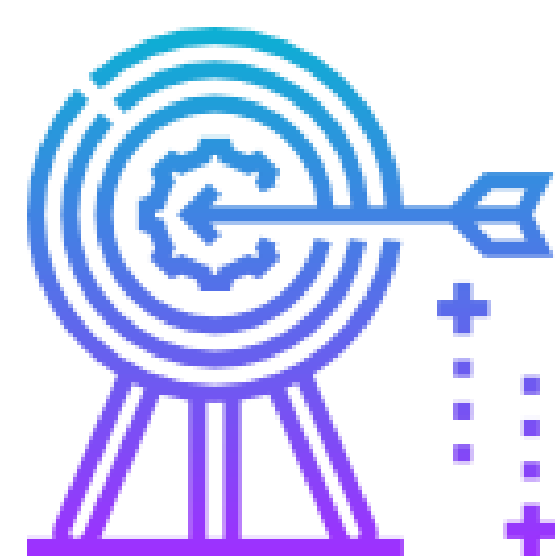


- 🔗 Innovative RES technologies
- 🔗 in 4 pilot farms in Belgium, Italy, Germany and Greece
- 🔗 hosting pigs, cows, and chickens
- 🔗 for 12 months of testing and evaluation



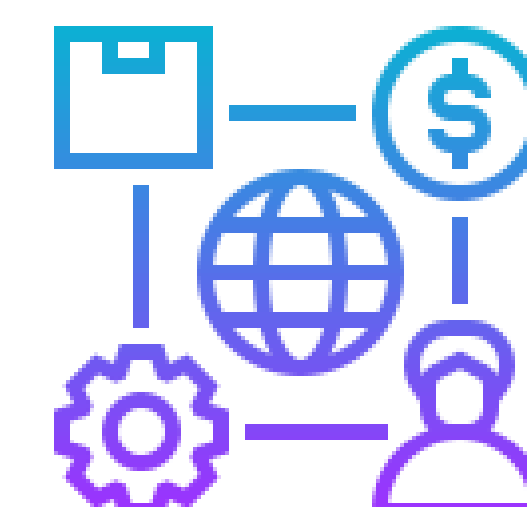
#### Objectives

- 🔗 Advanced and cost-effective technologies to the livestock sector
- 🔗 Sustainability of the farms' operation
- 🔗 Superior thermal comfort of the animals
- 🔗 Increased productivity with minimum climate change impact



#### Expected impact

- 🔗 Creating forefront knowledge in the deployment of RES in livestock sector
- 🔗 Job growth & competitiveness in the EU livestock industry
- 🔗 Improving EU citizens' quality of life



4 Universities  
4 Research Organizations  
6 SMEs  
1 Farm  
2 International Associations

#### Contact

- RES4LIVE
- RES4LIVE Project
- RES4LIVE
- RES4LIVE HORIZON2020
- [www.res4live.eu](http://www.res4live.eu)

