The ClearFarm project

ClearFarm Consortium

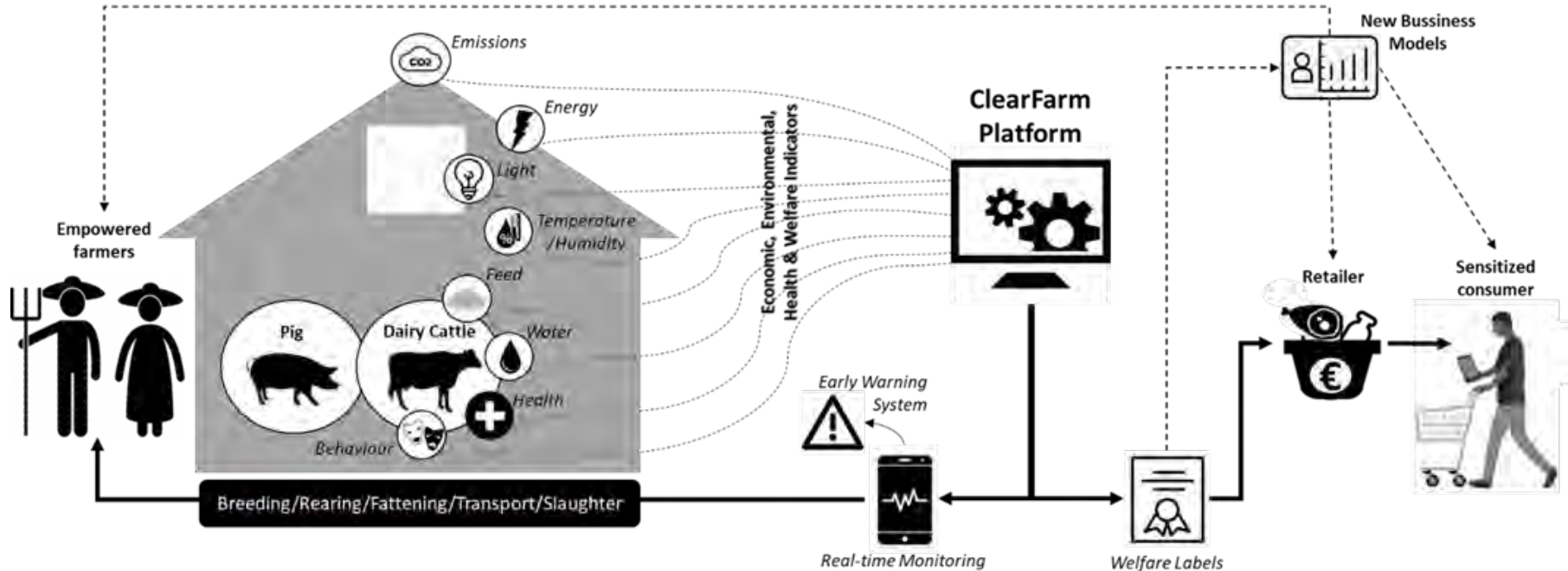European Platform on Animal Welfare, Brussels, June 2024
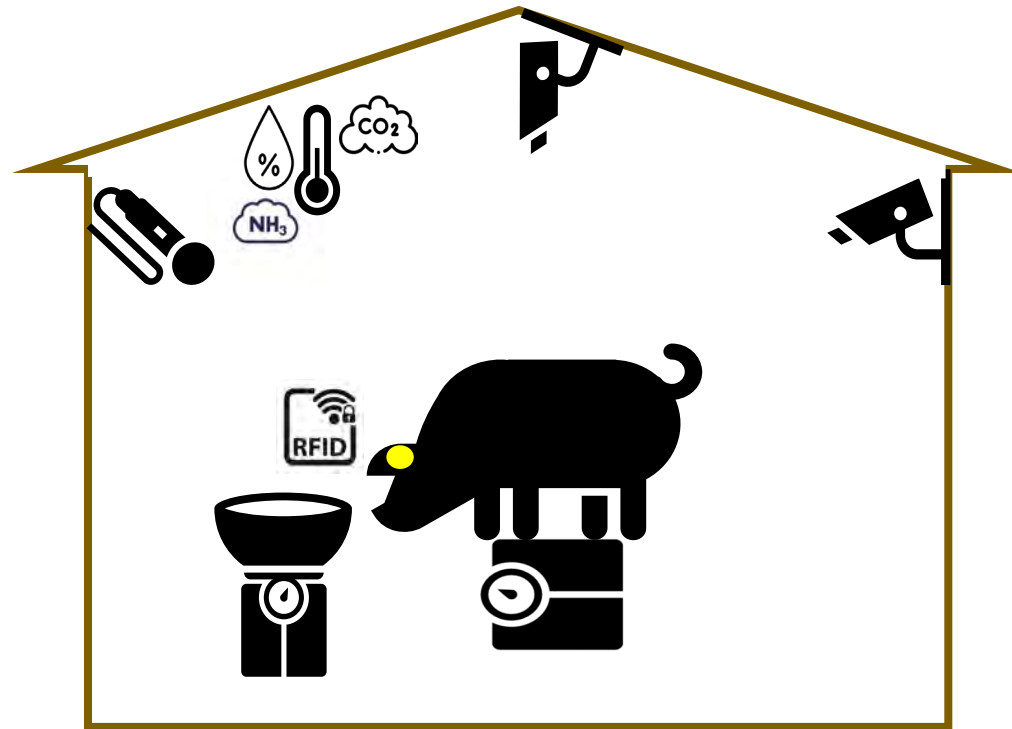
The ClearFarm consortium
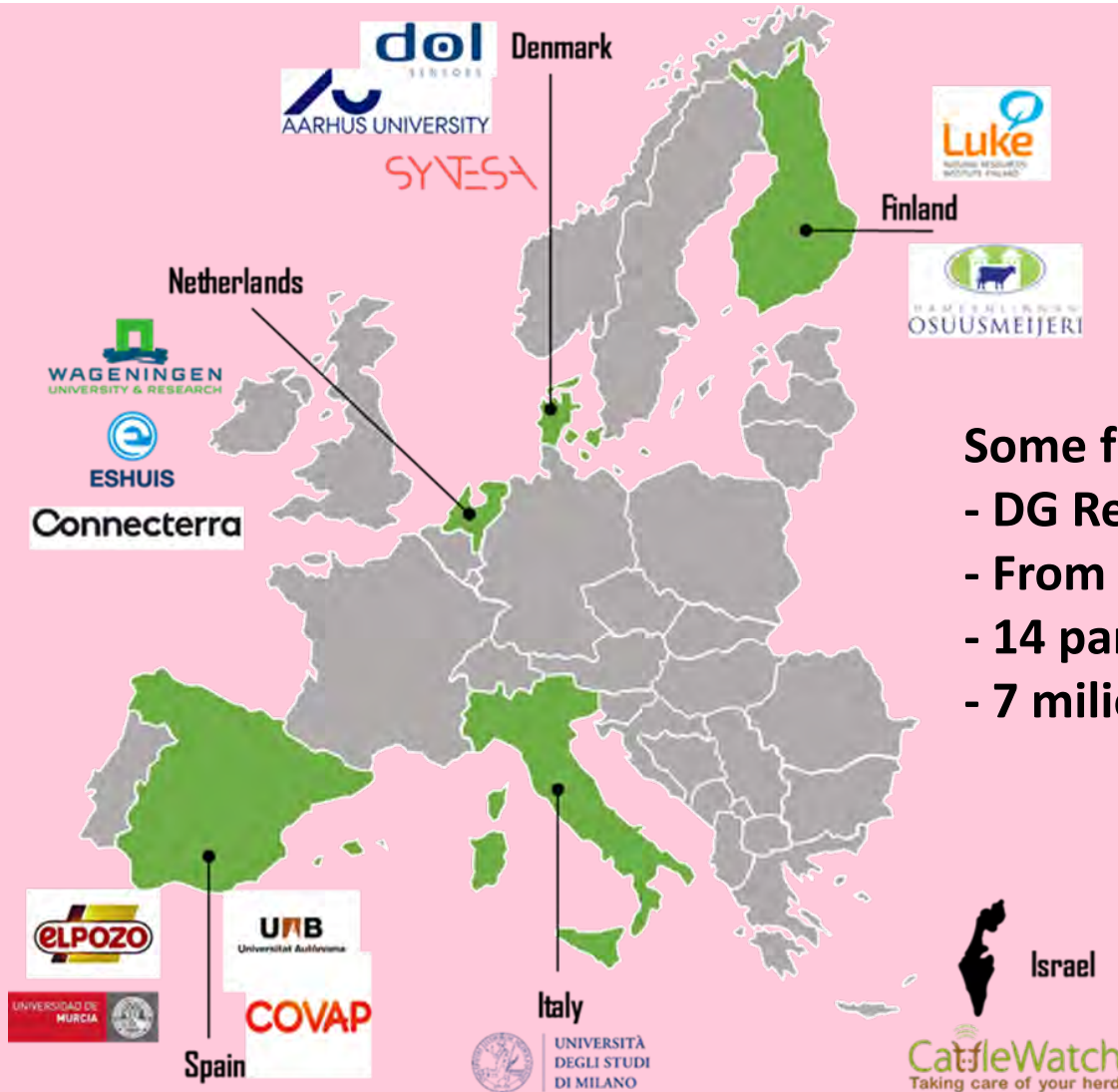
Some figures:
- DG Research: Horizon 2020
- From 2019 to 2024
- 14 partners
- 7 milion €

The aim of ClearFarm

Sensors in pigs

Individual level

Feeding behaviour
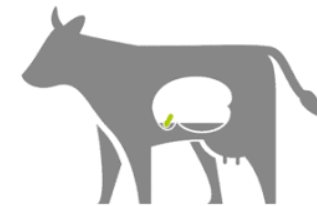
Body weight

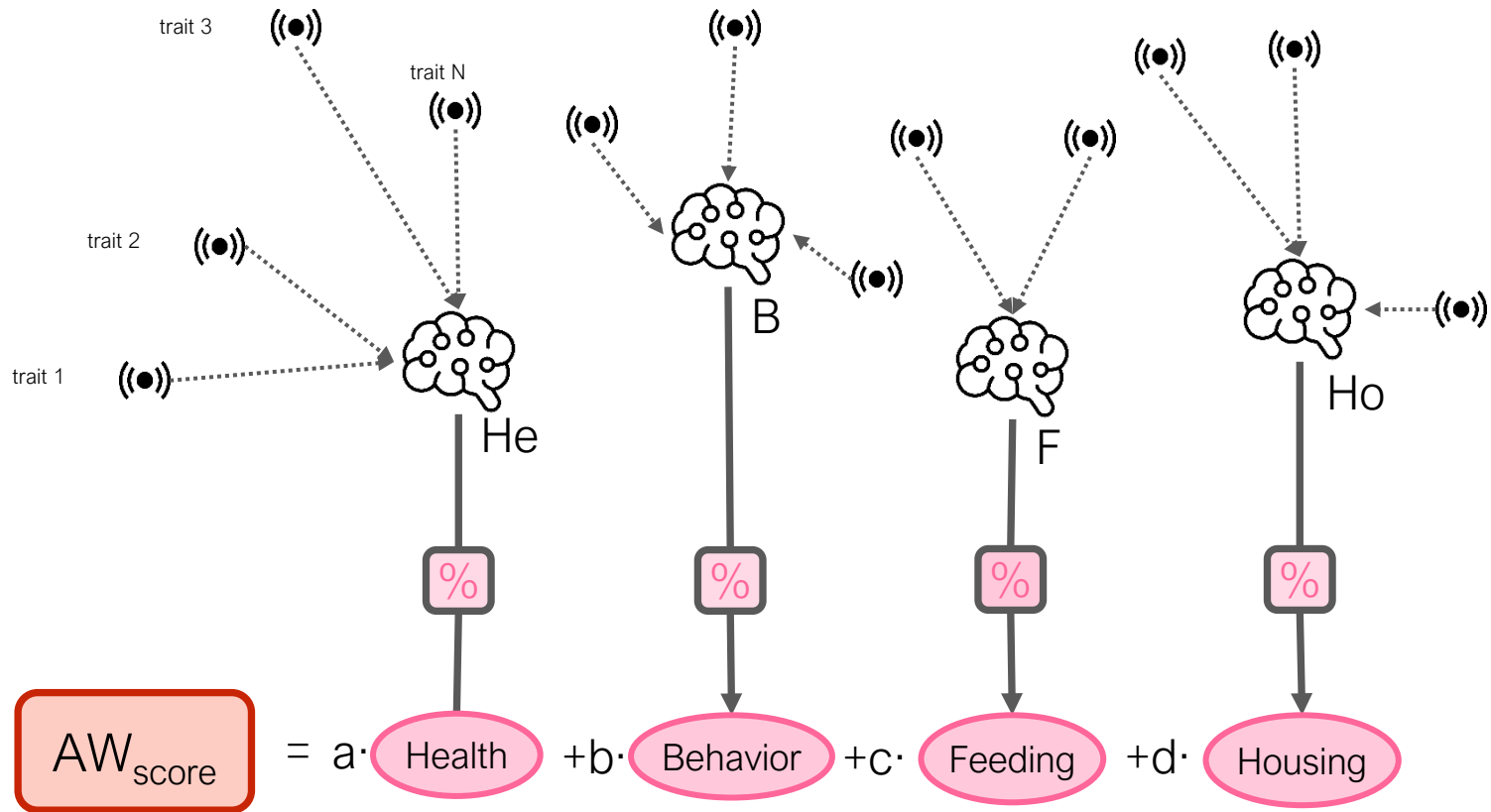**Group level**

Barn climate

Respiratory health

Activity and posture

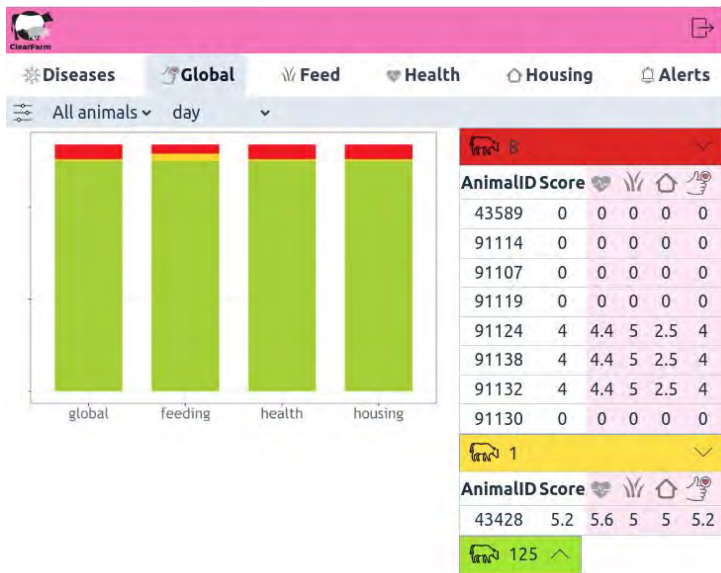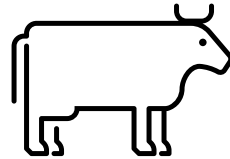# Sensors in cattle

- Accelerometers (walking, standing, lying, eating, ruminating,)

- Milking Robt
  (Milk production data)

- Ruminal bolus
  (PH, rumen temperature)

- Environmental data (T°, Humidity, etc.)

Sensor data integration

$$AW_{score} = a \cdot \text{Health} + b \cdot \text{Behavior} + c \cdot \text{Feeding} + d \cdot \text{Housing}$$

The ClearFarm output

The ClearFarm output

Platform for **dairy cattle** available.

Progress in our understanding of:

What is needed to develop a PLF-based platform for **pig welfare assessment**?

What are the main elements that contribute to the **carbon footprint of dairy and pig farming**?

What do European citizens think about the **PLF**?

Thank you for the attention

www.clearfarm.eu

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