



Large scale meat sheep farms from Spain

The Spanish sheep meat production system in the H202 Tech Care project is represented through the work carried out by Oviaragón with animals of the Aragonese Rasa breed. This cooperative is carrying out actions to obtain and validate animal welfare indicators, during the lamb fattening phase, and in the farm, inherent to the production system. With this information and the implementation of the appropriate technology, the aim is to develop a precision livestock farming model (PLF) that helps us make early decisions.

Specifically, one of the aspects under study is the quality of the air and the animal environment and how this affects the development of lambs. To this end, we have installed several sensors in seven of our feedlots and classification centers to control the temperature, humidity, and dust of the environment and/or the soil. This information is centralized, collected and analyzed as well as animal health and welfare parameters such as growth or the appearance of disease symptoms for different breeding conditions (times of the year, animal density or ventilation system installed).

At the farm level, the trials focus on the analysis of the variation in the weights of the animals, that are collected with an automatic scale to predict alterations in the animal welfare, such as poor feeding, lameness or mastitis. Currently the process of collecting periodic weights is underway, linked to the individual evaluation of health parameters (respiration, udders, hooves, or wool condition).



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