Projects

Project: **AGRIDIGIT**, subproject *"Digital technologies in the cow and buffalo milk supply chain —PLF4Milk"*. The main objective of the project is the development of an integrated farm management system, using the approach and techniques of precision livestock farming. Therefore, starting from data obtained from sensors installed on a farm, a model will be developed integrating data from the different sensors. It will produce warnings to the farmer or impulses for mechanisms/machines, a feedback aimed at modifying the environment and consequently normalizing any pathological situations (or inefficiencies) of the animals. It will include all farm sectors from animal welfare to the production of quality products (milk for food use or for the production of DOP products).

Website: https://www.progettoagridigit.it/il-progetto/zootecnia

Ending: 2023.

Horizon Europe is the EU's research and innovation **programme** for 2021-2027 with a budget of €95.5 billion. It tackles climate change, helps to achieve the UN's Sustainable Development Goals and boosts the EU's competitiveness and growth. The programme facilitates collaboration and strengthens the impact of research and innovation in developing, supporting and implementing EU policies while tackling global challenges. It supports creating and better dispersing of excellent knowledge and technologies. It creates jobs, fully engages the EU's talent pool, boosts economic growth, promotes industrial competitiveness and optimises investment impact within a strengthened European Research Area.

Website: https://horizoneurope.apre.it/

TechCare is a multi-actor approach project to demonstrate innovative approaches and appropriate business models to monitor animal-based welfare indicators and improve welfare management in small ruminants (SR) systems using precision livestock farming (PLF) technologies along the whole production chain, enabling all stakeholders, from farmers to consumers and regulators to choose animal welfare friendly products.

Website: https://techcare-project.eu/

ClearFarm proposes to use precision livestock farming technology (PLF) and integration of animal-based data to enable improved animal welfare across the entire production chain. This will contribute to improved sustainable pig and dairy cattle production, the two livestock production systems with the highest shares of livestock products in Europe.

Website: https://www.clearfarm.eu/the-project/

Guardians involves the empowerment of small- and medium-sized farms through smart solutions. It proposes to design a multi-actor co-creation methodological framework and develop a set of digital innovative solutions, including software (SW) and hardware (HW) technologies.

Website: https://www.fundacionctic.org/en/projects/guardians

ATLAS will build an open, distributed and extensible data Interoperability Network, based on a service-oriented architecture which will offer a high level of scalability from a single farm to a global community. The technology developed in ATLAS will be tested and evaluated within pilot studies on a multitude of real agricultural operations across Europe along several use cases, e.g:

- precision agriculture tasks
- sensor-driven irrigation management
- data-based soil management and
- behavioural analysis of livestock

Website: https://www.atlas-h2020.eu/open-call/

Marie Skłodowska-Curie project → an initiative of the European Union (EU), part of the EU's Horizon 2020 framework program, that provides funding for research, training, and career development of researchers at all stages of their careers, from the early doctoral phase to more advanced roles. The main objectives are to promote excellence in research, encourage innovation, and improve the mobility of researchers across Europe and beyond.

Website: https://marie-sklodowska-curie-actions.ec.europa.eu/about-msca