EcoLamb

Holistic Production to Reduce the Ecological Footprint of Meat

Dr. Sinan Ogun

1ST SusAn COFUNDED Projects Seminar
23-24 November 2017, Bilboa (BC, ES)

EUROPEAN RESEARCH AREA ON SUSTAINABLE ANIMAL PRODUCTION

The ERA-net Cofund SusAn is funded by European Union's Horizon 2020 Research and Innovation programme under grant agreement n° 696231

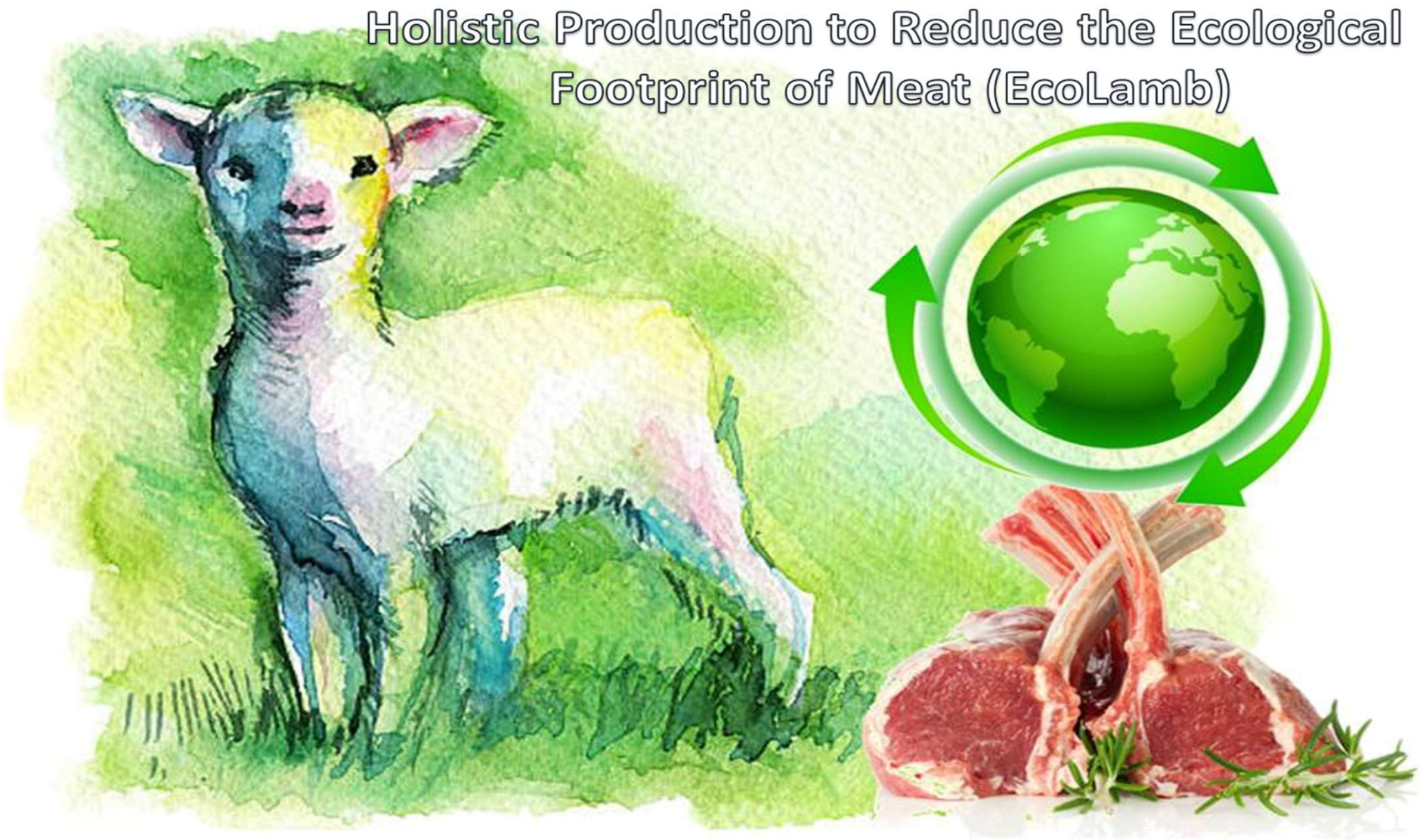
Index

- The Challenge
- SUSAN's Research Areas
- Our Goals and Objective
- How will EcoLamb achieve these?
- Consortium Partners
- Potential impact

EcoLamb

ERA-NETSUSAN

The Challenge



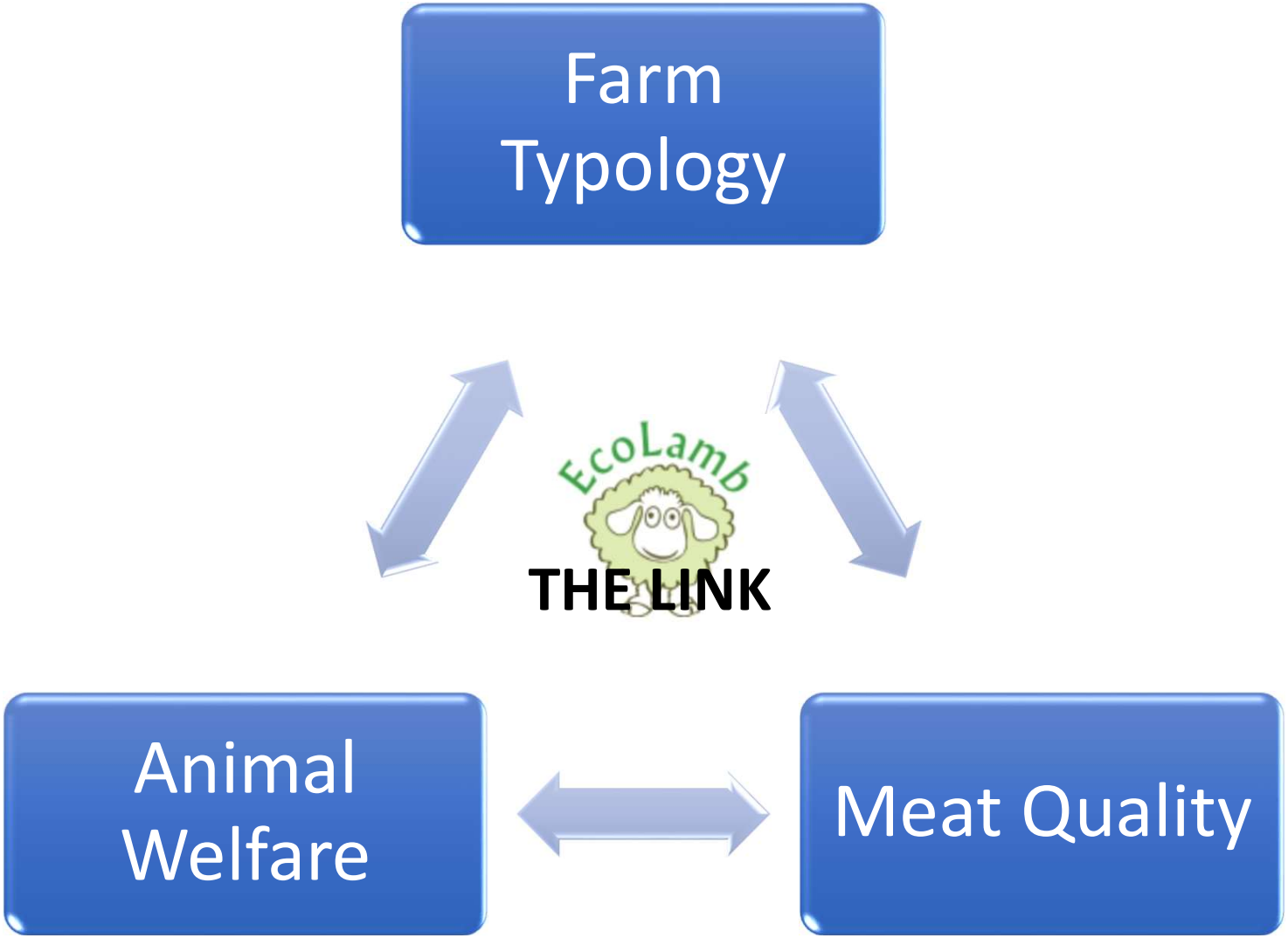
ERA – NET SusAn Research Areas

- ✓**Research Area 1:** Improve the productivity, resilience and competitiveness of European Animal Production,
- ✓**Research Area 2:** Improve and manage resource use to reduce waste and enhance the environmental sustainability of European Animal Production,
- ✓**Research Area 3:** Improve on-farm practices to enhance consumer acceptability and address societal challenges associated with animal welfare, product quality and safety, biodiversity and provision of ecosystem services.

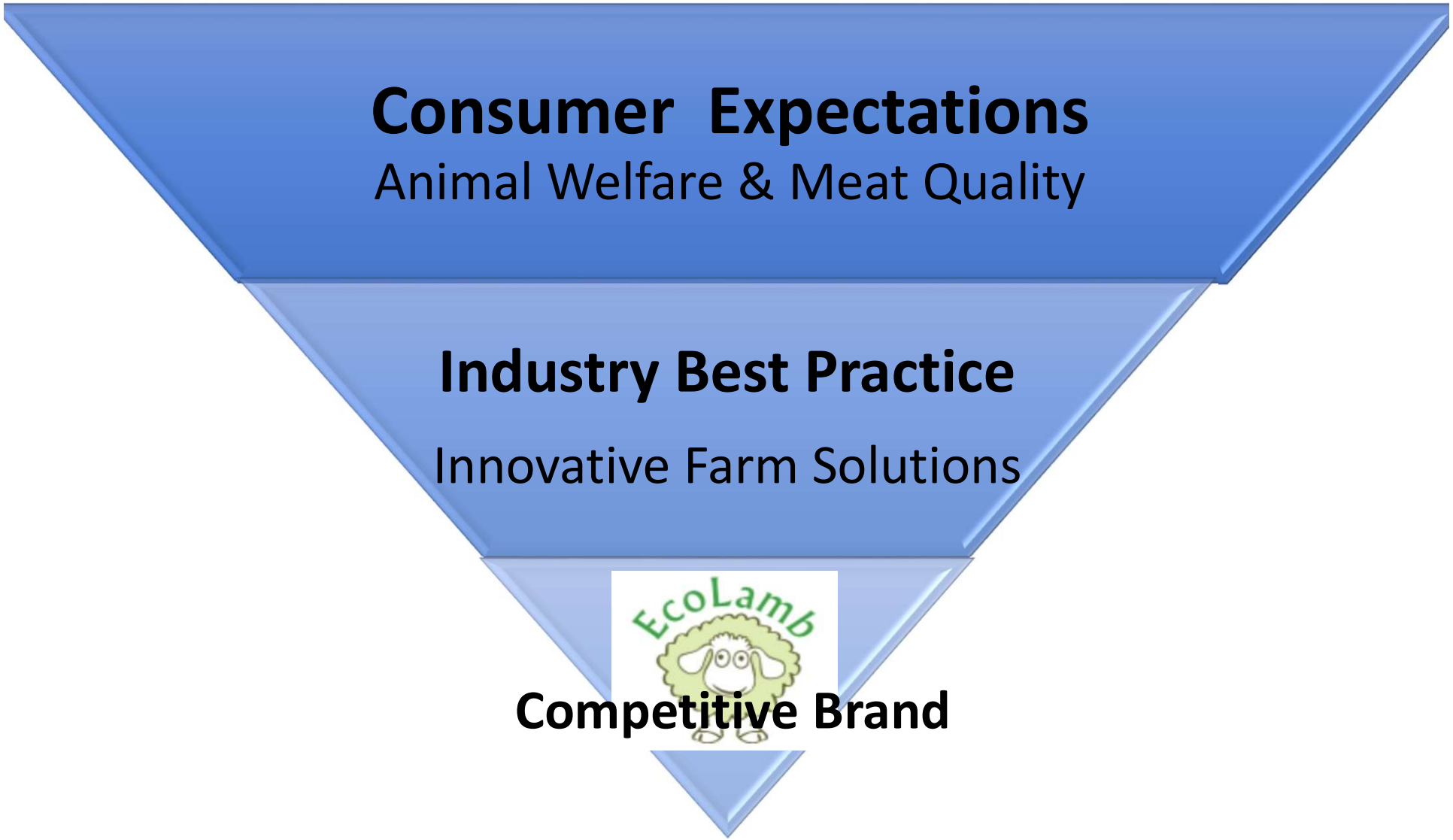
EcoLamb

ERA-NETSUSAN

Our Goal


Farm Typology
EcoLamb
THE LINK
Animal Welfare
Meat Quality

Our Objective



How?

EcoLamb, will:

1. Improve production and productivity by agro-ecosystem analysis and characterization in order to maintain and preserve the equilibrium of the natural environment.

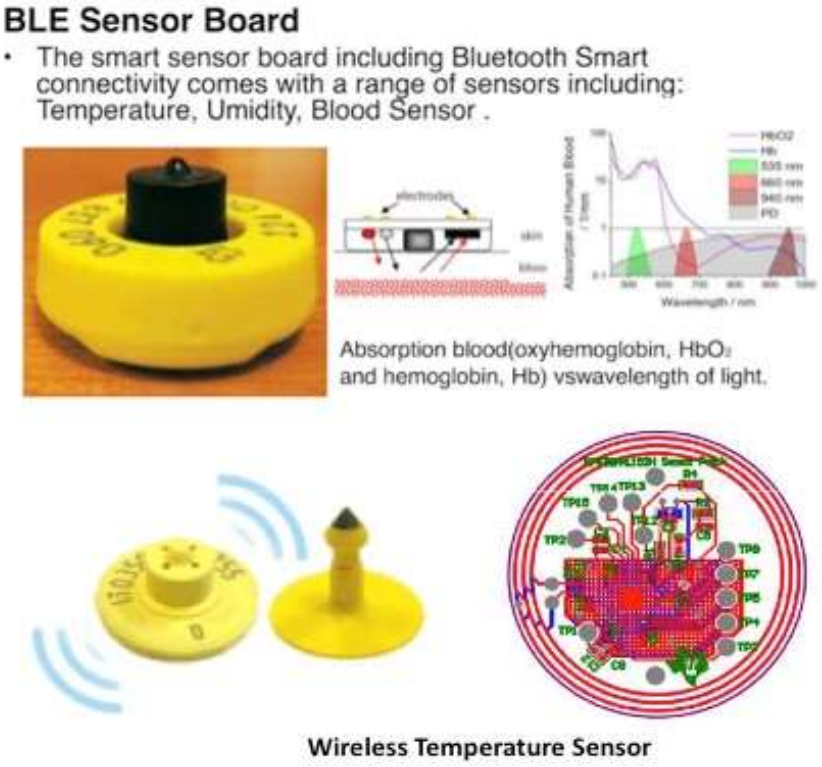
EcoLamb

ERA-NETSUSAN

How?

EcoLamb, will:

2. Study animal welfare factors associated with sheep production to develop knowledge about acute and chronic stress indicators.

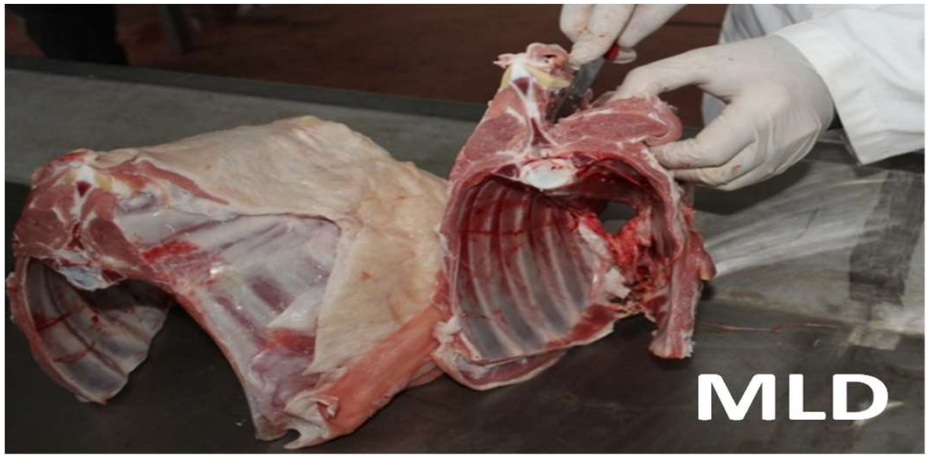


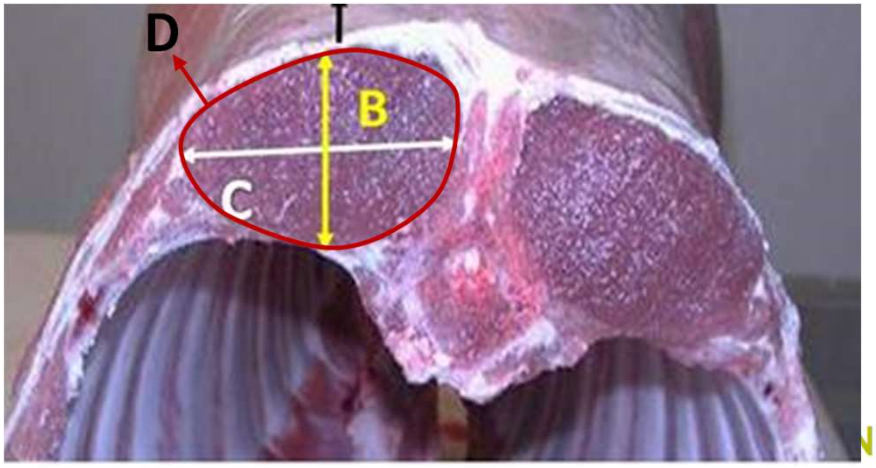
ERA-NETSUSAN

How?

EcoLamb, will:

3. Improve additional product safety and healthiness by introducing improved farming standards.





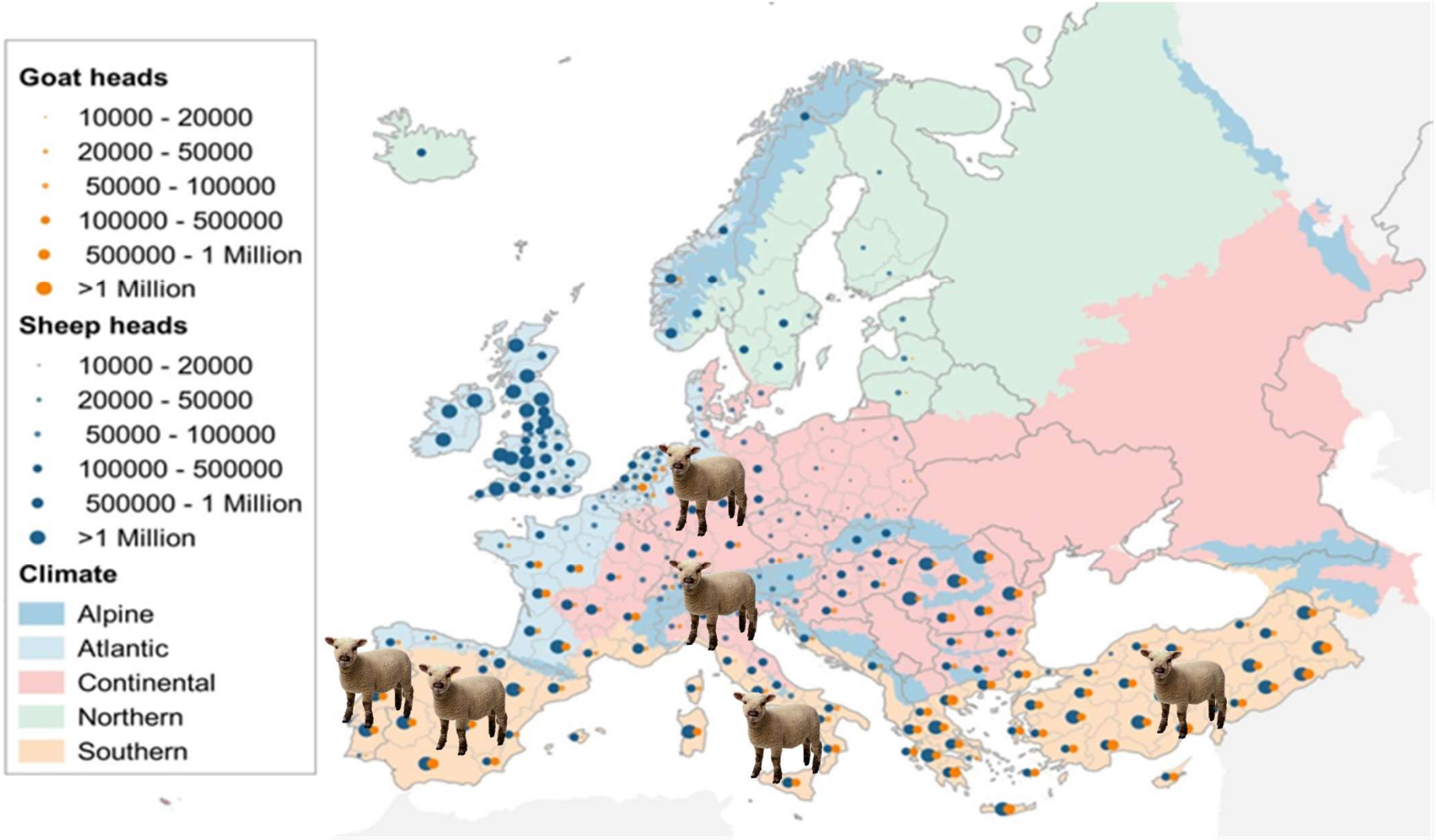
How?

EcoLamb, will:

4. Develop new economic models for EU sheep production through innovative & novel marketing methods and different commercial presentations.

ERA-NETSUSAN

Consortium


Goat heads
10000 - 20000
20000 - 50000
50000 - 100000
100000 - 500000
500000 - 1 Million
>1 Million
Sheep heads
10000 - 20000
20000 - 50000
50000 - 100000
100000 - 500000
500000 - 1 Million
>1 Million
Climate
Alpine
Atlantic
Continental
Northern
Southern

Consortium Partners

RR Research

ipb INSTITUTO POLITÉCNICO DE BRAGANÇA

CTC centro tecnolóxico da carne

SERIDA Servicio Regional de Investigación y Desarrollo Agroalimentario

Universität Stuttgart

INSTITUTO TECNOLÓGICO AGRARIO Junta de Castilla y León Consejería de Agricultura y Ganadería

EcoLamb

ERA-NETSUSAN

Consortium Members

- **TURKEY - Rural Revival Research & Development Ltd. Sti. (RRAPRD)** Sustainable agricultural development experience worldwide, managing numerous case study sheep farms in Turkey.
- **NORTH-WEST SPAIN - Meat Technology Centre (CTC)**. Streamlining and improving meat sector competitiveness. Field research and testing to transfer livestock breeding techniques to farmers.
- **SPAIN (Asturias) – SERIDA.** Livestock management and pasture improvement expertise. Developing novel and value added meat products and efficient transfer of outcomes to Spain's small ruminant sector.
- **SPAIN – ITACYL –** Ruminant nutrition and management knowledge sharing with industry. Skills in implementation of novel information and communication technologies. Remote control real-time data collection in extensive grazing situations.

ERA-NETSUSAN

Consortium Members

- **ITALY - University of Turin (UNITO).** Slaughterhouse facilities for teaching and testing purposes. Developed infrastructure and technology for testing and evaluating animal welfare factors using electronic eartag sensors.
- **PORTUGAL** - **CIMO-IPB.** Developed intervention strategies to reduce of pathogen growth in post slaughter meat. Advancing cutting-edge statistical tools for the control of pathogens in meat products.
- **GERMANY - University of Stuttgart, (USTUTT).** Expertise in life cycle engineering and analyses of products, processes and services in terms of their ecological, economic, technical and social aspects.
- **SLOVENIA – University of Novi Gorici (UNG)** Strong capacity for research and development in sustainable and innovative programs for improving animal welfare in particular hair cortisol based stress indicators.

ERA-NETSUSAN

Potential Impact

EcoLamb

ERA-NETSUSAN

Potential Impact

- ***Increased efficiency and profitability:***

Management strategies incorporating resilience, adaptation and welfare traits to provide population-level solutions - implemented at farm-level, increasing the efficiency of the enterprise.

Potential Impact

- ***Improved overall sustainability and innovative capacity of the livestock sector*** ;

Case studies that include innovative approaches on farms to reduce stress factors

EcoLamb

ERA-NETSUSAN

Potential Impact

- ***Preservation of biodiversity and cultural heritage***

Using sheep in marginal areas will not only minimize loss of traditional landscapes and biodiversity but also assist in preserving cultural heritage

EcoLamb

ERA-NETSUSAN

Potential Impact

- ***Preservation of livestock genetic diversity*** by improving the role of local endemic breeds.

Potential Impact

- ***Increasing societal acceptance*** *of products by branding* low ecological footprint and improved resource utilisation on labels.

EcoLamb

ERA-NETSUSAN

Potential Impact

- ***Improvement in the quality of life of smallholders***

Potential Impact

- ***Added Value***

The Quality Certification of agro-food products through the quality labels Protected Origin Denomination (POD), Protected Geographic Indication (PGI) and Specialty Certification (SC), aims to support these products by increasing their market value.

Potential Impact

In Other words the project impacts on all of the aspects of the SCAR sustainability triangle :

- ✓**economic competitiveness,**
- ✓**social acceptability and**
- ✓**environmental protection**

EcoLamb

ERA-NETSUSAN