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# LIVET

LIVESTOCK FARMING AND ONE HEALTH APPROACH

KICK-OFF MEETING WITH  
PROJECT COORDINATORS,  
**10 OCTOBER 2023**

# ONE HEALTH APPROACH

**One Health** is “an integrated, unifying approach that aims to sustainably balance and optimise the health of people, animals, and ecosystems. It recognises the health of humans, domestic and wild animals, plants, and the wider environment (including ecosystems) are closely linked and inter-dependent. The approach mobilises multiple sectors, disciplines, and communities at varying levels of society to work together to foster well-being and tackle threats to health and ecosystems, while addressing the collective need for clean water, energy and air, safe and nutritious food, taking action on climate change, and contributing to sustainable development” (Joint Tripartite FAO, WOA, WHO, and UNEP Statement 2021).

# ONE HEALTH APPROACH

However, so far this approach has been confined only at a broader policy level and to the academia, with **research that have not yet been able to spill down to the agricultural vocational education and training sector**, and to the workers that should use this framework daily with their interaction with animals and the environment. In such view, a complete picture of the pillars implied in animal

production (environment, wellbeing, health, and other socio-economic aspects) within the One Health approach is still lacking. Thus, **a multi- and trans- disciplinary attempt should be developed by scholars, stakeholders, and practitioners for standardising the different productive options and allowing their measurement and comparison** (Rocchi et al. 2021).

# LIVET

## Livestock farming and One Health approach

**LIVET – Livestock farming and One Health approach: Towards a multidisciplinary VET framework for technicians** aims to integrate the One Health framework into the vocational education and training sector to promote **animal welfare**; combat **endemic, and emergent zoonoses**; and **reduce antimicrobial use and resistance**.

**To do so, the LIVET project has the following specific objectives:**

- **To foster multidisciplinary competencies and engage across diverse domains** by developing a comprehensive, standardised VET curriculum at EQF 5 and a set of training materials on the One Health approach for managers, future managers, and professionals in the livestock farming sector.
- **To promote the upskilling and reskilling** of the agricultural labour force and professionals, so as to ease the labour market uptake of One Health practices that can strengthen food safety and improve public health.
- **To strengthen inter-sectoral relationships** between research, academia, VET Providers, the labour market, and policymakers so as to facilitate the diffusion of innovative approaches in livestock farming to address economic, social, and environmental sustainability issues.

# CONSORTIUM STRUCTURE

| TYPE                        | PARTNERSHIP   | COUNTRY                        |
|-----------------------------|---|--------------------------------|
| <b>LEAD PARTNER</b>         | <ul style="list-style-type: none"> <li>▶ DIP. DI SCIENZE AGRARIE, ALIMENTARI E AMBIENTALI (DSA3), UNIVERSITÀ DEGLI STUDI DI PERUGIA</li> </ul>  | ITALY                          |
| <b>HEIS</b>                 | <ul style="list-style-type: none"> <li>▶ INSTITUTE POLYTECHNIQUE UNILASALLE</li> <li>▶ LATVIJAS BIOZINĀTŅU UN TEHNOLOĢIJU</li> <li>▶ UNIVERSITĂTE UNIVERSITATEA DE ȘTIINȚE AGRICOLE ȘI MEDICINĂ VETERINARĂ CLUJ-NAPOCA</li> </ul> | FRANCE<br>LATVIA<br>ROMANIA    |
| <b>VET PROVIDERS</b>        | <ul style="list-style-type: none"> <li>▶ AUKŠTAITIJOS PROFESINIO RENGIMO CENTRAS</li> <li>▶ CESAR CENTRO PER LO SVILUPPO AGRICOLO E RURALE</li> <li>▶ DEUTSCHE LEHRANSTALT FÜR AGRARTECHNIK NIENBURG</li> </ul>                   | LITHUANIA<br>ITALY<br>GERMANY  |
| <b>LABOUR MARKET ACTORS</b> | <ul style="list-style-type: none"> <li>▶ CHAMBRES D'AGRICULTURE DE NORMANDIE</li> <li>▶ ŽEMĖS ŪKIO RŪMAI (CHAMBER OF AGRICULTURE OF LITHUANIA)</li> <li>▶ ZEMNIEKU SAEIMA (LATVIA FARMERS' PARLIAMENT)</li> </ul>                 | ROMANIA<br>LITHUANIA<br>LATVIA |

# SECTOR AND TARGET GROUPS



**Sector**  
**Agriculture**  
**Livestock farming**  
**Food safety**  
**Public health**



## Target groups

- Graduates of agricultural technical vocational institutions
- Undergraduate students in Agriculture or Veterinary Science (pre-degree completion)
- Advisors, consultants, technicians or supervisors of livestock farms
- Specialised livestock workers with management role

# MAIN ACTIVITIES

**LIVET – Livestock farming and One Health approach: Towards a multidisciplinary VET framework for technicians** aims to create a unique and innovative VET curriculum at EQF 5, starting **pilot testing in April 2025**. The curriculum will include a comprehensive set of learning materials along with policy recommendations for incorporating the One Health approach into regional, national, and European regulations.

## Massive Open Online Course

- ▶ A 75-hour online course focusing on the adoption of the One Health approach within the European livestock farming sector.

## Specialisation courses

- ▶ Three national specialisation courses on Animal welfare, Zoonoses, and Antimicrobial use and resistance, tutored by farm advisory services, academic researchers, and international experts.

## Autumn School

- ▶ An Autumn School on One Health, Resilience Skills, and Integrated Risk Management.

## Work-based learning

- ▶ A 150-hour work-based learning opportunity for 60 learners in a national or European company.

# MAJOR OUTPUTS

## Standardised VET curriculum

- ▶ Establishment of evidence-based educational contents for the European livestock farming sector, promoting a unified approach to addressing human, animal, and environmental challenges through the One Health framework, underpinned by data-driven methodologies.

## Knowledge transfer

- ▶ Enhanced knowledge transfer from academic researchers and international experts to labour market actors and the agricultural workforce, establishing a well-informed community of practice that can effectively respond to sector-specific challenges, supported by precise measurement and evaluation mechanisms.

## Capacity building

- ▶ Strengthened capacity of livestock farming professionals through structured training and real-world experiences, facilitating a skilled workforce ready to adopt innovative, data-driven practices in managing health and welfare risks associated with livestock farming, with a focus on continual measurement and improvement.



# BENEFITS AND CHANGES

## **Cross-sectoral competencies**

- ▶ Improving the multidisciplinary competencies of graduates and professionals in the livestock farming sector by providing a comprehensive curriculum on One Health. This course aims to prepare learners with modern approaches in livestock farming, digital, green, and resilience skills in line with European and international policies.

## **Improved animal welfare and public health**

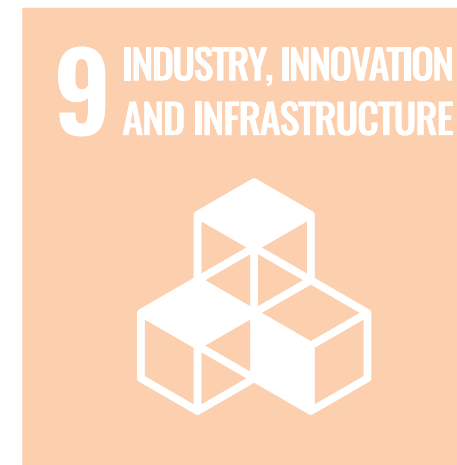
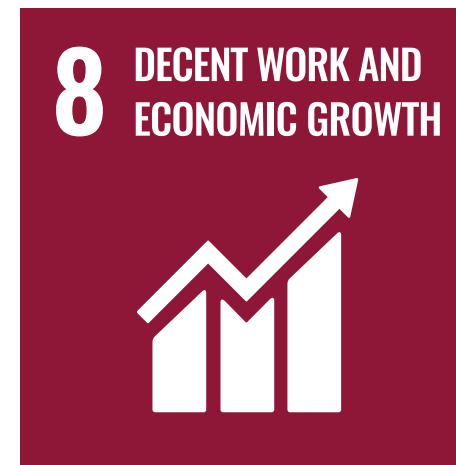
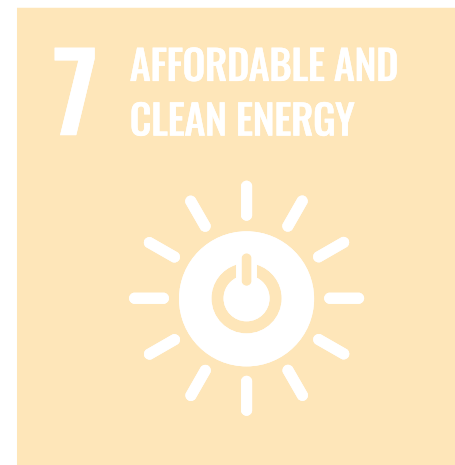
- ▶ Adoption of the One Health approach to mitigate zoonoses and antimicrobial resistance, contributing to better animal welfare and public health standards, improving the adoption of the One Health framework into the labour market and in the current farming practices, and preventing outbreaks of zoonotic diseases in animals and humans.

## **Strengthened sectoral collaboration**

- ▶ Fostering a collaborative ecosystem among academia, labour market actors, and policymakers, promoting innovative solutions for sustainable livestock farming. The modular design of the course allows for upskilling in relevant topics, thereby strengthening professional skills and recognition within the Agricultural Knowledge and Innovation Systems (AKIS).

# LIVET

## Project supports the Sustainable Development Goals



# THANK YOU

[www.livet-project.eu](http://www.livet-project.eu)



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