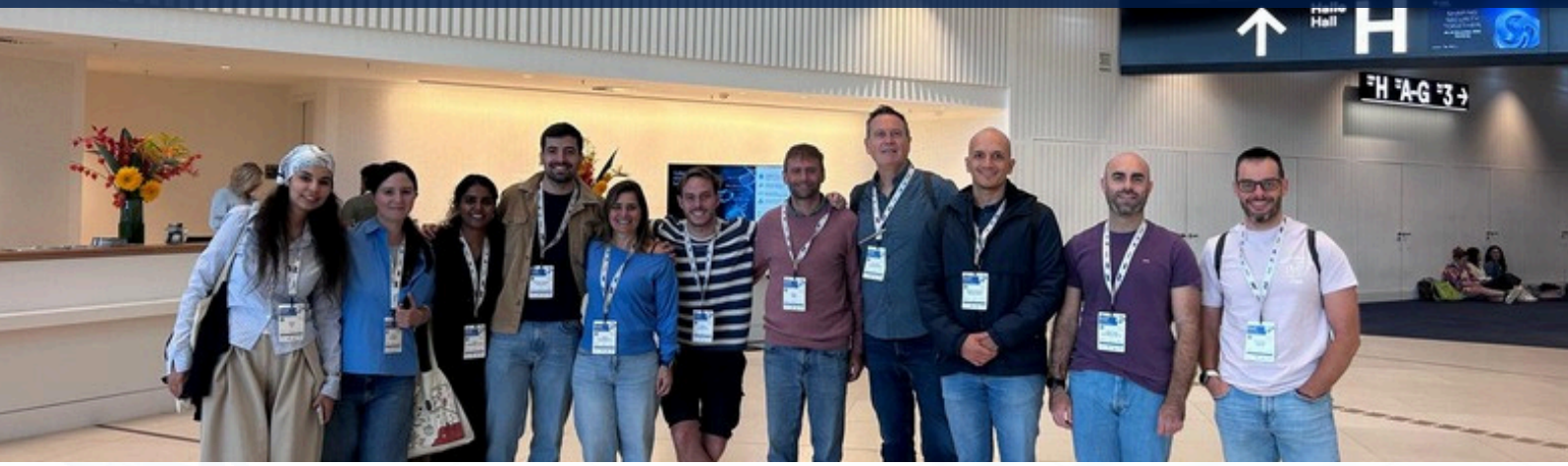
NEWSLETTER

ISSUE 5 - OCTOBER 2026



EUROPEAN NETWORK ON LIVESTOCK PHENOMICS

The EU-LI-PHE project aims to strengthen ethical, legal, and social frameworks for the use of phenotyping technologies in livestock farming across Europe.

Key stakeholders include researchers, policymakers, industry representatives, farmers, device manufacturers, young researchers, and civil society organizations. **The Action is placing an emphasis on researcher mobility and support to the next generation of animal scientists.** Read more in this newsletter.

Start Date:
September 27, 2023

End Date:
September 26, 2027

Follow us at:

EU-LI-PHE
EUROPEAN NETWORK ON LIVESTOCK PHENOMICS

Newsletter
ISSUE 5
October 2026



INDEX

Training Schools	3
WG2 meeting in Hamburg	4
STSMs	5
Conference Grants	6
YRI Conference Grants	7
PhenoSEE Hub Establishment	8
EULIPHETalks Webinars	9

65 Management Committee members from 36 countries

583 Working Group members from 56 countries, including:
265 females
238 from ITC
319 are YRI

EXPANDING RESEARCH SKILLS OF EU-LI-PHE YOUNG RESEARCHERS AND INNOVATORS THROUGH INTERNATIONAL TRAINING SCHOOLS

EU-LI-PHE supported the participation of its members in two international training schools, strengthening their expertise in emerging technologies and multidisciplinary approaches to livestock research.

At the University of Padova, Italy, members attended the Summer School Artificial Intelligence and Data-Driven Technologies for Precision Livestock Production, exploring machine learning, deep learning, sensor technologies, genomics, and data-driven approaches to animal breeding, welfare, and precision livestock farming.

At the University of Edinburgh and the Roslin Institute, UK, we participated in the Summer School Epidemiology, Genetics and Modelling for Infectious Disease Control, gaining new perspectives on integrating molecular genetics, epidemiology, and computational modelling.

🌍 Through support for international training opportunities, EU-LI-PHE continues to invest in the professional development of its members.





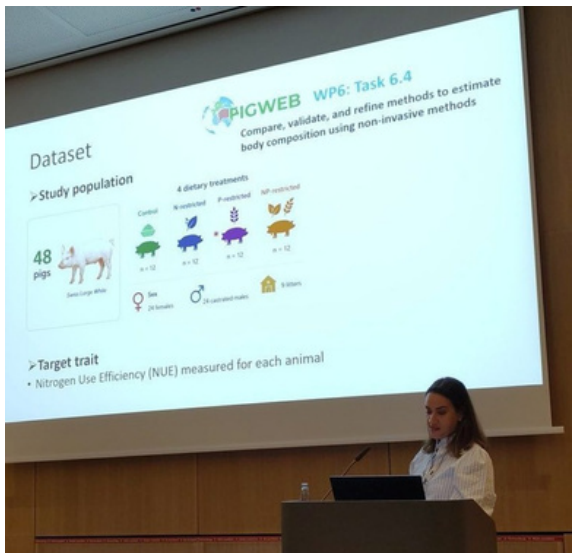


WORKING GROUP 2 MEETING AT EAAP 2026 IN HAMBURG



On 9 September 2026, EU-LI-PHE held a Working Group 2 meeting in Hamburg, Germany, as **a satellite event of the 77th EAAP Annual Meeting,** bringing together members to review the Action's progress, coordinate upcoming deliverables, and plan future activities across its five Working Groups.

Discussions covered **key areas of livestock phenomics,** including high-throughput phenotyping, genome-to-phenome integration, computational approaches, sustainability, regulation, and stakeholder engagement.





🤝 The meeting reinforced EU-LI-PHE's commitment to multidisciplinary collaboration and translating scientific advances into practical solutions for sustainable livestock production.

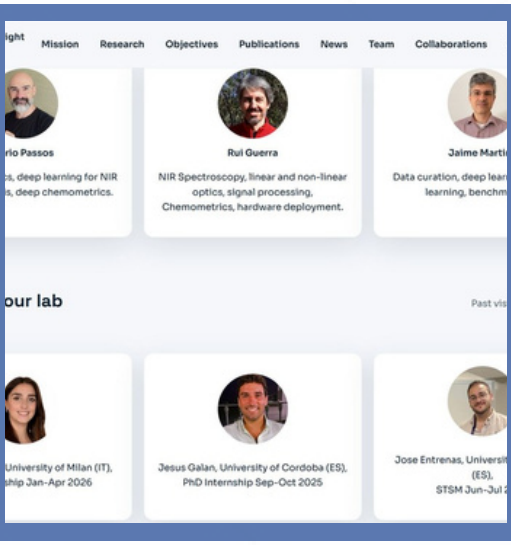
SHORT-TERM SCIENTIFIC MISSIONS

🐔 Giosuè Vaccari – Exploring the Genetics of Animal Behavior in Switzerland

Giosuè Vaccari (Wageningen University) completed his STSM at the University of Bern, under the supervision of Dr. Mike Toscano. His research focused on the genetic analysis of a unique behavioural dataset collected from thousands of laying hens. The mission laid the groundwork for joint genetic analyses, potential scientific publications, and future collaborative research.





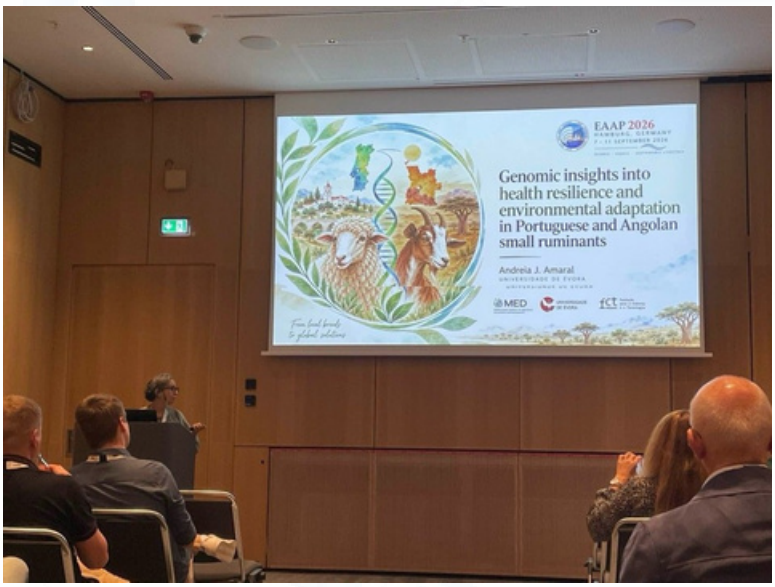


🥛 José Antonio Entrenas – Applying AI to Milk Phenotyping in Portugal

José Antonio Entrenas (University of Córdoba) conducted his STSM at the University of Algarve, under the supervision of Prof. Dário Passos. His work explored the application of deep learning and convolutional neural networks to predict milk fat, protein, and lactose content from near-infrared (NIR) spectral data, combining spectroscopy and chemometrics with advanced AI approaches.

CONFERENCE PARTICIPATION

Livestock Genomics at EAAP 2026



With the support of an EU-LI-PHE ICT Conference Grant, Dr. Andreia Amaral, Vice Leader of WG2, participated in **the 77th EAAP Annual Meeting in Hamburg,** presenting her research on genomic insights into health resilience and environmental adaptation in Portuguese and Angolan small ruminants.

Beyond presenting her research, she contributed to the EU-LI-PHE workshop and explored new international collaborations in cattle genomics and resilience phenotyping.

Strengthening EU-LI-PHE's International Visibility Through Dissemination Grants

Dr. Giuseppina Schiavo (University of Bologna) represented the Action at two international events: **the AI4Animal Science Conference & Summer School in Ghent, Belgium, and the 77th EAAP Annual Meeting in Hamburg, Germany.**

In Ghent, she explored the applications of AI in animal science, while in Hamburg, she showcased EU-LI-PHE's activities related to FAIR data, interoperability, and responsible AI.

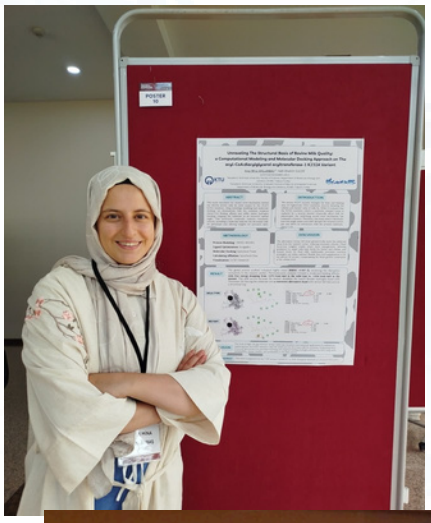


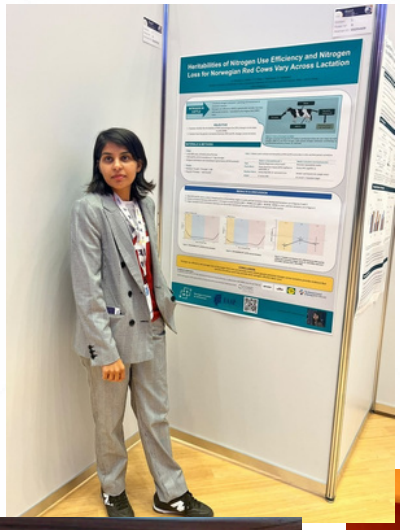
Funded by the European Union

YRI CONFERENCE GRANTS

EU-LI-PHE
EUROPEAN NETWORK ON LIVESTOCK PHENOMICS

SUPPORTING YOUNG RESEARCHERS ON THE INTERNATIONAL STAGE











During Grant Period 3, EU-LI-PHE supported 13 Young Researchers and Innovators through Conference Grants, enabling them to present their research at three major international conferences: **WCGALP 2026 in Madison (USA), EAAP 2026 in Hamburg (Germany), and EBDays 2026 in Trabzon (Türkiye).**

Their contributions covered livestock genomics, animal breeding, welfare phenotyping, metabolomics, artificial intelligence, machine learning, and computational approaches. Beyond presenting their findings, these grants provided valuable opportunities for international networking, scientific feedback, and new collaborations.

🌍 Through its Conference Grants, EU-LI-PHE continues to support the mobility, visibility, and professional development of the next generation of researchers in livestock phenomics.

PHENOSEE HUB

Introducing PhenoSEE: The EU-LI-PHE South-East Europe Hub



PhenoSEE Hub aims to strengthen collaboration among research groups working on livestock phenomics, genomics, and data analysis across Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Kosovo*, Montenegro, North Macedonia, Romania, Serbia, and Slovenia.

As a first step, PhenoSEE is mapping regional expertise, ongoing research projects, phenotyping infrastructures, and computational capacities to identify opportunities for collaboration and knowledge exchange.

🔬 **Are you working in this field, or do you know a research group that should be included? Get involved by contacting mferencakovic@agr.hr**

*This designation is without prejudice to positions on status, and is in line with UNSCR 1244/1999 and the ICJ Opinion on the Kosovo declaration of independence.

2027 WEBINARS

EU-LI-PHE
EUROPEAN NETWORK ON LIVESTOCK PHENOMICS

EULIPHETalks
A Webinar Series

In 2026, the EU-LI-PHE Young Researchers and Innovators (YRI) Committee successfully relaunched the EU-LI-PHETalks webinar series, creating new opportunities for knowledge exchange, scientific discussions, and networking across our Action.

We kicked off the renewed series with two regional webinars featuring speakers from Türkiye, highlighting regional perspectives, research activities, and opportunities for collaboration within the EU-LI-PHE network.

Building on this momentum, we look forward to continuing the series throughout 2027. Preparations for our upcoming Balkan regional webinars are already underway!

🎥 **Recordings of previous webinars are available on the EU-LI-PHE YouTube channel.** Follow our activities and stay tuned for more engaging discussions and opportunities to connect with researchers across Europe!

TÜRKIYE WEBINARS 2026

In September and October 2026, the EU-LI-PHE Young Researchers and Innovators (YRI) Committee successfully organized two regional webinars highlighting livestock breeding research and practices in Türkiye.

The first webinar, held on 28 September, focused on **Genomic Breeding in Türkiye – Sectoral and Farm Perspectives,** bringing together insights from research and policy, breeders' associations, and practical farm-level applications of genomic selection.

The second webinar, held on 26 October, explored the **connections between phenotypic characteristics, molecular genetics, and breeding practices,** featuring research on indigenous goats, Anatolian water buffalo, and local sheep breeds.

📽️ Both webinars are available on the EU-LI-PHE YouTube channel.







NEWSLETTER

ISSUE 5 - OCTOBER 2026

EUROPEAN NETWORK ON LIVESTOCK PHENOMICS

READ MORE

FOLLOW

Contact us:
euliphe.costaction@gmail.com

Funded by the European Union