

The PRIMA programme is supported under Horizon 2020, the European Union's research and innovation programme.



Dear reader,

Welcome to the fourth edition of the SUSTAvianFEED project newsletter, where we are taking tangible steps towards a more sustainable livestock sector, embracing the principles of circular economy.

In our quest for environmentally friendly and socially conscious food chains, we recognize the pivotal role of feed production. Therefore, the SUSTAvianFEED project (Grant Number 2015), a part of the PRIMA programme supported by the European Union, is dedicated to showcasing innovative poultry farming systems that incorporate sustainable animal feeding practices. Our goal is to develop a nutritional formula for poultry farming that harnesses the power of insects as a key component, revolutionizing the approach to poultry farming.

Within this newsletter, you will discover the latest updates and vital information to get involved and support our project's mission. Together, let's pave the way for a more sustainable and responsible livestock sector.

Happy reading!

[Go to the website](#)

News



Here below you can find the latest developments and progress within the project. Stay informed about the innovative poultry farming systems, sustainable nutritional formulas, and the role of insects in shaping a more sustainable livestock sector.

Revolutionizing poultry farming through sustainable nutrition

To address the challenges of modern poultry farming, SUSTAvianFEED project aims to demonstrate innovative approaches to sustainable animal feeding. By developing a nutritional formula for poultry farming that incorporates insects and utilizes regional agri-food sector by-products, this initiative seeks to revolutionize the industry and promote sustainable practices. With objectives ranging from reducing environmental impact to promoting local economies and empowering women, the project is set to transform the poultry sector in Mediterranean countries. In this article, starting from the activities of the last period, we explore the project's objectives, progress, and potential impacts on the future of poultry farming.

[\[Explore the project's objectives\]](#)

Reducing soybean dependency in chicken diets

Chicken production is a major contributor to the global food industry, but it is not without its challenges. One significant concern is the high cost of feed, with approximately 70% of the total production cost attributed to feed expenses. Soybeans, a key component of chicken diets, have a substantial environmental impact due to their association with carbon emissions and climate change. As a result, finding alternative feedstuffs that are both locally sourced and environmentally friendly is crucial. Therefore, there are high potential benefits of substituting soybeans with alternative feed ingredients and black soldier fly (BSF) larvae, not only in terms of environmental sustainability but also economic viability.

[\[Find out more\]](#)



Transforming waste into poultry feed: integrating insects into the circular economy

In the past few months, the debate over insect farming as an alternative protein source for both animals and humans has been heating up in the European Union. Could insects be an environmentally friendly, local-economy-boosting and socially valuable source of livestock feed? We talked to **Juan Antonio Cortés** of Entomo AgroIndustrial, a partner in the SUSTAvianFEED project, to find out more.

[\[Find out more\]](#)



Pilot activities proceed successfully

Five pilot activities are planned under the SUSTAvianFEED project to demonstrate the innovative approach to feeding poultry for sustainable products. The pilot activities are being developed in four different regions of the Mediterranean: Spain, Tunisia, Italy and Turkey.



The University of Murcia concludes the study period with hens: now it's time for analysis of samples and results

The 40-week period in which the University of Murcia has been working with Isazul breed hens, to analyze the effects of the new experimental diets within SUSTAvianFEED project, has recently come to an end. The large number of stored samples and results reported by the methodology fielded are now being analyzed.

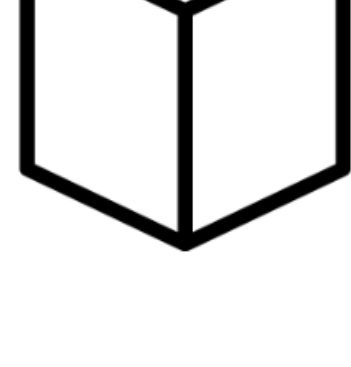
[\[Read advances on the results\]](#)

Reading Tips



Here, you'll find a curated collection of scientific articles published by our project partners. Dive into thought-provoking reads and explore engaging content related to sustainable poultry feeding. We believe that sharing knowledge and valuable resources is crucial in our collective journey towards a more sustainable future. Happy reading!

Larvae meal: what are its effects on the diet of chickens and what is its energy value?



In recent years, one of the goals of researchers is to find ways to reduce the environmental impact of raising animals for human consumption. The possibility of replacing traditional protein sources with high environmental impact with insect meal in poultry diets could contribute to this goal, making farms more environmentally sustainable. Among the most promising insect species is the black soldier fly, which is an excellent source of protein and essential nutrients for farmed chickens.

[\[Read the article written by the University of Turin published on the Journal of Animal Sciences\]](#)

PPilow's Scientific publication



One of SUSTAvianFEED partners, Slow Food, is part of another interesting animal welfare project, Ppilow. This project aims to co-construct through a multi-actor approach solutions to improve the welfare of poultry and pigs reared in organic and low-input outdoor production systems. As part of that project, some interesting publications have been written, which may be of interest to you.

[\[Read the article written in the framework of the Ppilow project\]](#)

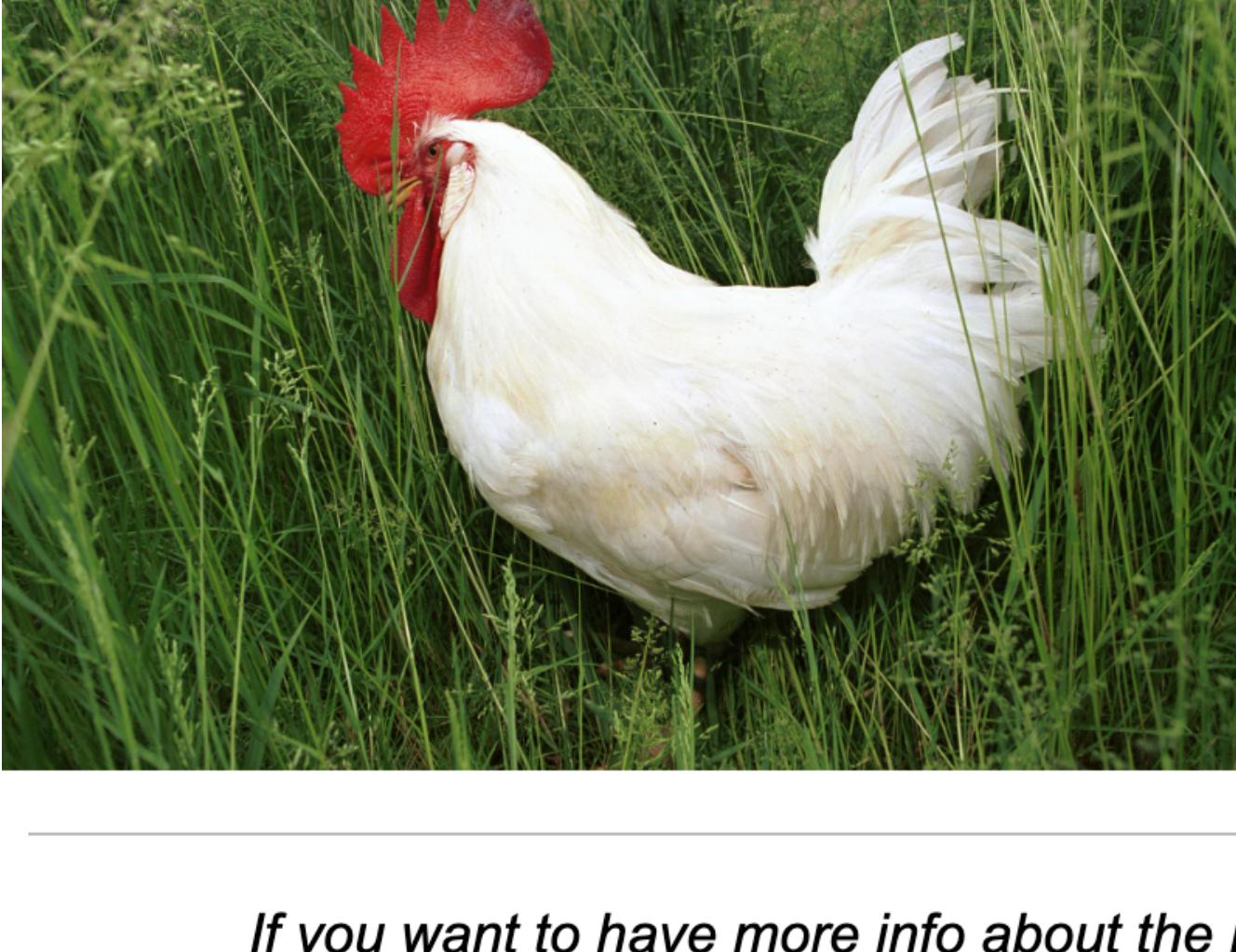
These books offer valuable insights into sustainable poultry feeding practices, and they were published in different years, covering a range of perspectives and research on the topic.



- **"Feeding Poultry: The Classic Guide to Poultry Nutrition for Chickens, Turkeys, Ducks, Geese, Gamebirds, and Pigeons"** by G. F. Heuser and R. R. M. Wegner (2016) - This comprehensive guide provides valuable insights into poultry nutrition, including sustainable feeding practices for various types of poultry.
- **"Organic Poultry Farming: A Comprehensive Guide to Raising Chickens and Other Poultry for Profit or Pleasure"** by Anne Kuo (2018) - While primarily focused on organic poultry farming, this book includes valuable information on sustainable feeding practices for healthier birds.

And here you can find 10 Best Books On Poultry Farming. Discover them here!

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#SUSTAvianFeed
#Slowmeat
#sustainability
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#zerowaste



If you want to have more info about the project, write to info@sustavianfeed.eu

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Partners

