EUFRAS
EUROPEAN FORUM FOR AGRICULTURAL AND RURAL ADVISORY SERVICES

Collaborative Online Forum For Exchange & Engagement

EUFRAS COFFEE Break event in collaboration with **BroilerNet project**

BroilerNet: From Challenges to Champions

Speakers:

- **Stefan Gunnarsson** *(Swedish University of Agricultural Sciences, SLU)*
- **Annunziata Palamara** *(CRPA Italy)*

Moderator:

- **Anita Dzelme** *(EUFRAS)*

BroilerNet

Dissemination strategy

Scientific & techincal dissemination

- Factsheets
- EIP-AGRI Practice Abstracts
- National press articles (more than 95!)

Stakeholder engagement & interactive activities

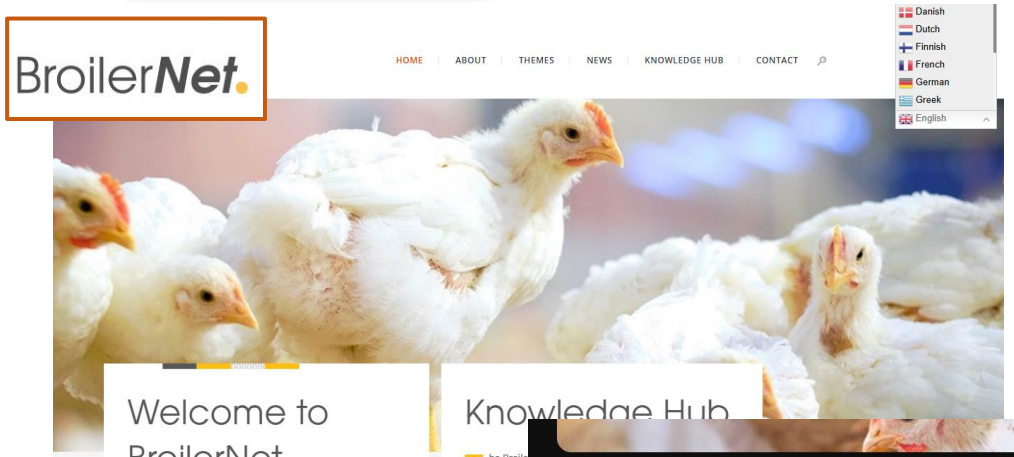
- Roadshows
- Webinars

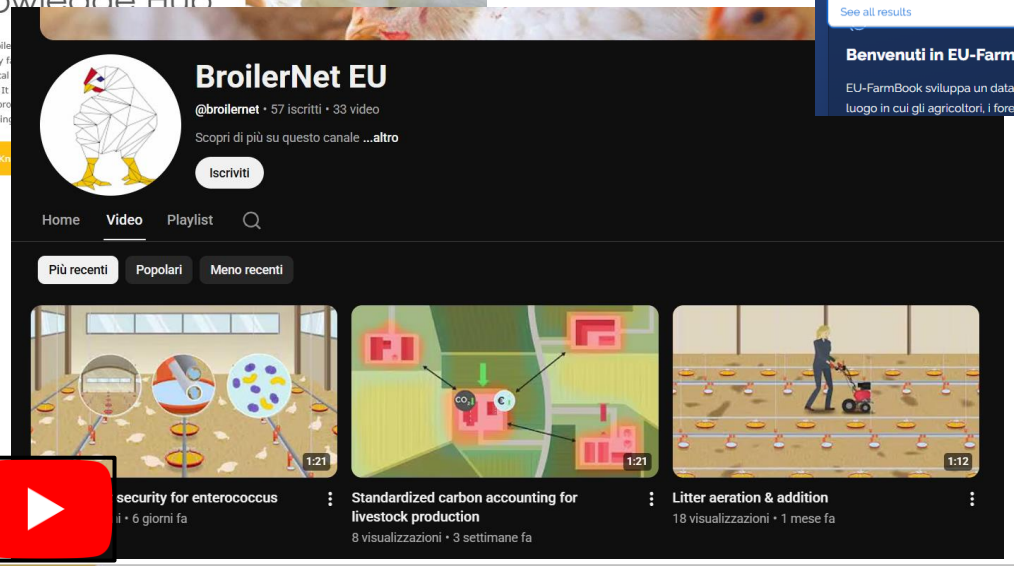
Digital & visual communication

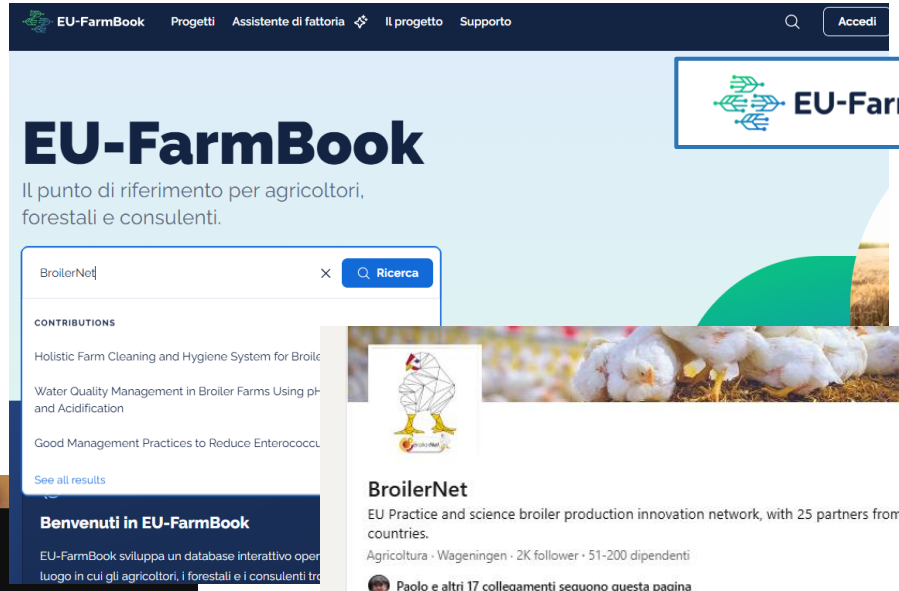
- Videos
- Animations
- LinkedIn posts
- Newsletter

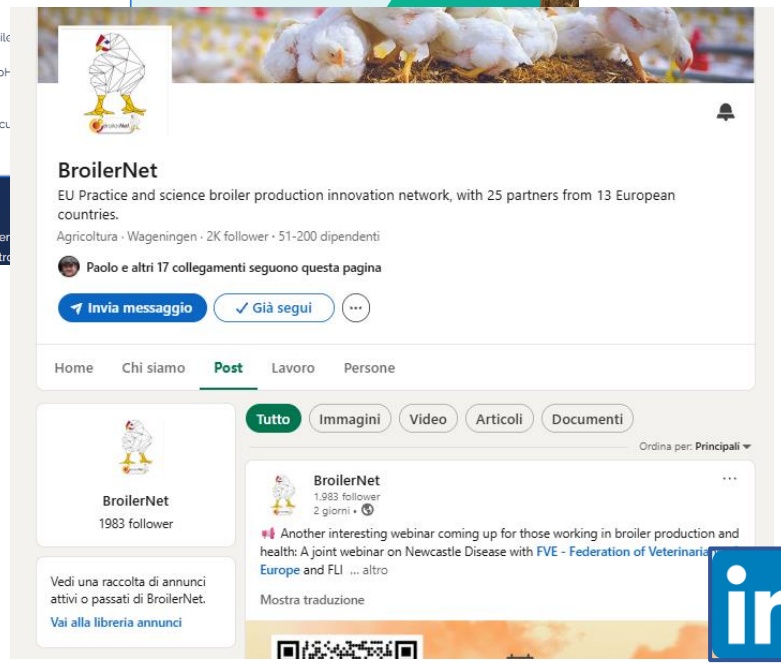
This project has received funding from the Horizon Europe Research and innovation programme under grant agreement No 101060979

Communication channels









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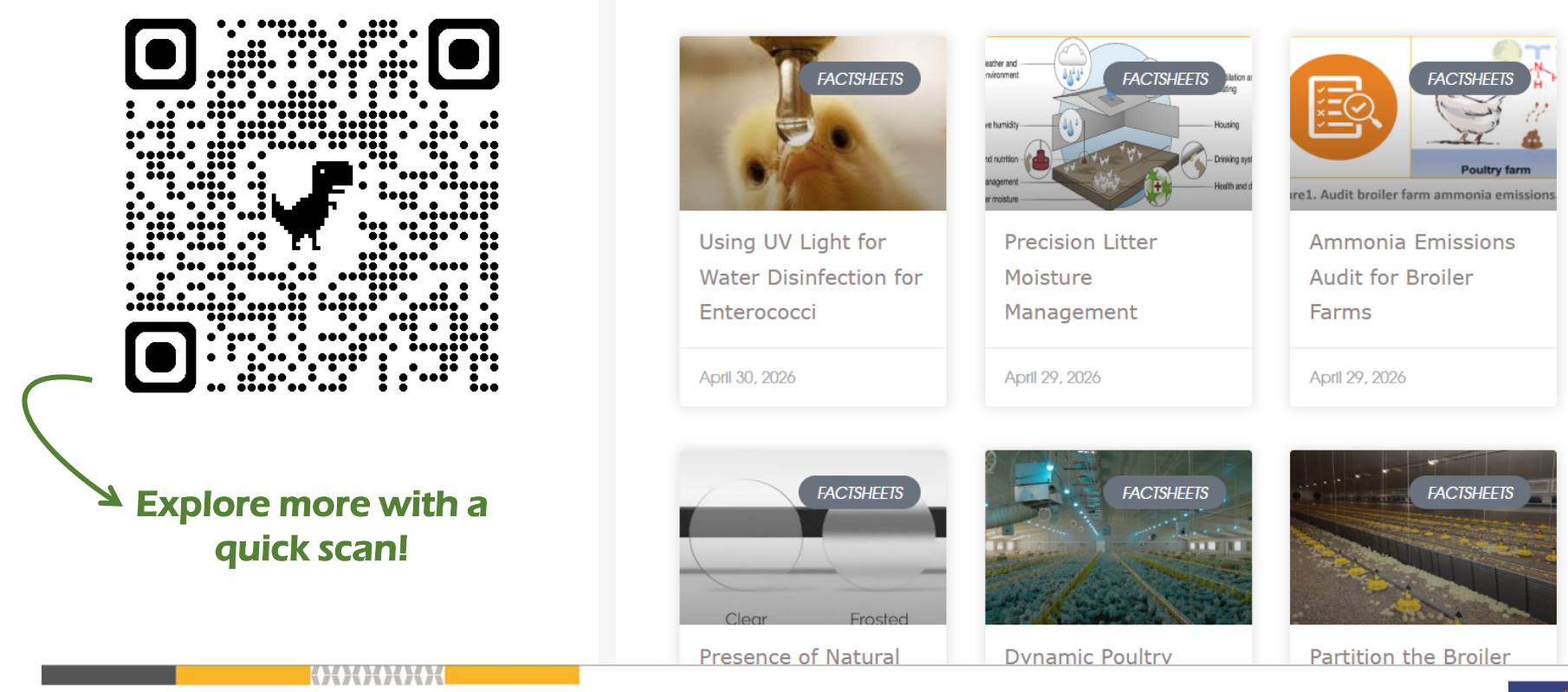
The Broiler Knowledge Hub

Explore more with a quick scan!



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Factsheets

42 factsheets from Cycle 1

44 factsheets from Cycle 2

30 factsheets from Cycle 3

116 factsheets available!

BroilerNet Factsheet

Junglite: light recipe

Author: Simona Ceroni and Serena Soffiantini

Intro Good Practice

Light is a critical environmental factor in broiler farming, with direct effects on behaviour, physiology, health and welfare. In addition, the light intensity affects the phases of movement during the day.

In the sheds, artificial light replaces natural conditions and it is necessary to define optimal programs in terms of color (wavelength), intensity, spatial distribution and cycle duration.

As for color, it is recognized that it affects both behavior and stress levels: blue light reduces fear, red light reduces irritability, green light reduces aggression. In particular, the blue wavelength during loading and culling operations has benefit for both animals and operators.

https://www.once.lighting/it/junglite

https://www.once.lighting/it/junglite

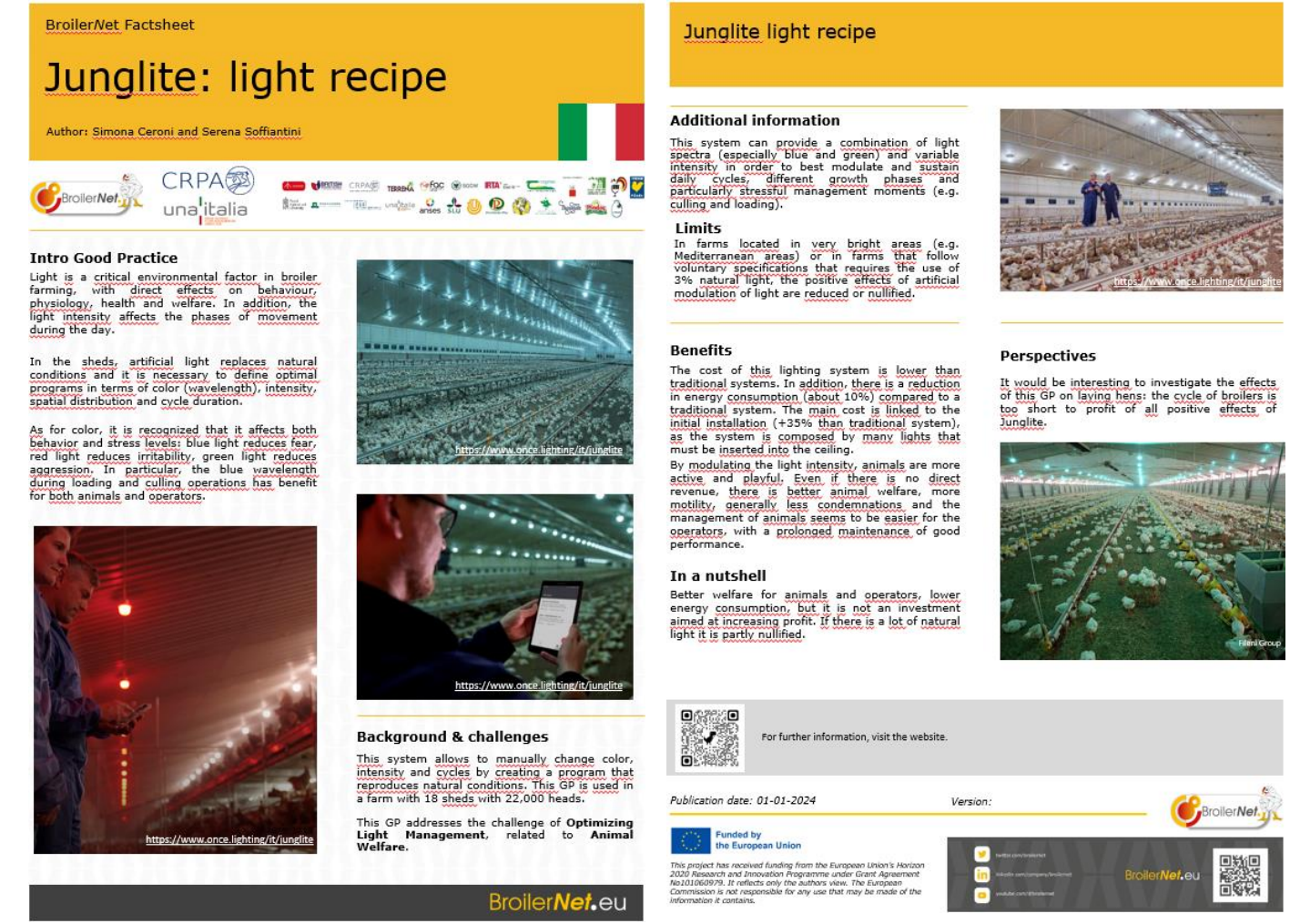
https://www.once.lighting/it/junglite

Background & challenges

This system allows to manually change color, intensity and cycles by creating a program that reproduces natural conditions. This GP is used in a farm with 18 sheds with 22,000 heads.

This GP addresses the challenge of **Optimizing Light Management**, related to **Animal Welfare**.

BroilerNet.eu



Junglite light recipe

Additional information

This system can provide a combination of light spectra (especially blue and green) and variable intensity in order to best modulate and sustain daily cycles, different growth phases and particularly stressful management moments (e.g. culling and loading).

Limits

In farms located in very bright areas (e.g. Mediterranean areas) or in farms that follow voluntary specifications that requires the use of 3% natural light, the positive effects of artificial modulation of light are reduced or nullified.

https://www.once.lighting/it/junglite

Benefits

The cost of this lighting system is lower than traditional systems. In addition, there is a reduction in energy consumption (about 10%) compared to a traditional system. The main cost is linked to the initial installation (+35% than traditional system), as the system is composed by many lights that must be inserted into the ceiling.

By modulating the light intensity, animals are more active and playful. Even if there is no direct revenue, there is better animal welfare, more motility, generally less condemnations and the management of animals seems to be easier for the operators, with a prolonged maintenance of good performance.

Perspectives

It would be interesting to investigate the effects of this GP on laying hens: the cycle of broilers is too short to profit of all positive effects of Junglite.

Filiml Group

In a nutshell

Better welfare for animals and operators, lower energy consumption, but it is not an investment aimed at increasing profit. If there is a lot of natural light it is partly nullified.

For further information, visit the website.

Publication date: 01-01-2024 *Version:*

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Carbon auditing: Challenge & Best Practice

The challenge

- **Identify** emission hotspots
- **Reduce** environmental impact
- **Harmonize** carbon footprint assessment
- **Enable** farm benchmarking

The Champion: Standardized carbon accounting for livestock production

- **Standardized carbon footprint tool**
- Based on **farm-level data**
- Accurate and comparable results
- Supports benchmarking

Take a look!

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EIP Agri abstracts

42 abstracts from Cycle 1

44 abstracts from Cycle 2

30 abstracts from Cycle 3

116 abstracts available!

BroilerNet Practice Abstract

Broiler harvesting 2.0: Mechanical Catching

Country of GP owner: Slovenia
BroilerNet Challenge: Minimizing stress and damages from catching

The mechanization of poultry harvesting is crucial for addressing labor shortages, improving efficiency, and maintaining productivity in the broiler sector. This system enables both small and large facilities to optimize workflow, as it operates efficiently regardless of capacity. By reducing labor costs and physical strain on farmers while improving bird welfare, it ensures a more humane and sustainable working environment. The use of smooth, vibration-free conveyor belts, adjustable cage inclination, and a smart design minimizes stress and injuries for both poultry and operators. A dual redundancy system with backup circuits, valves, and pumps ensures continuous operation, reducing maintenance needs and enhancing reliability. While this system offers numerous advantages, its diesel-powered engine increases emissions, raising concerns about its long-term environmental sustainability. Farmers pay €0.03 per bird, while machine owners face a €190,000 investment plus operational costs. However, efficiency gains and labor savings make it a viable long-term investment, with an expected annual revenue of €25,000 and a payback period of 5 to 7 years. Designed for industrial use, the system reduces the number of required employees from seven to three. Operated through a collaborative model, it optimizes resource utilization, reduces financial burdens on farmers, and enhances overall profitability and sustainability in poultry production.

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BroilerNet Praktični izvleček

Lovljenje piščancev 2.0

Mehanizacija pobiranja perutnine je ključna za reševanje pomanjkanja delovne sile, izboljšanje učinkovitosti in ohranjanje produktivnosti v sektorju pitovnih piščancev. Sistem omogoča optimizacijo delovnega procesa tako v manjših kot večjih obratih, saj učinkovito deluje ne glede na kapaciteto.

Zmanjšanje stroškov dela in fizične obremenitve rejcev ob hkratnem izboljšanju dobrobiti perutnine zagotavlja bolj humano in trajnostno delovno okolje. Uporaba gladkih, brezvibracijskih transportnih trakov, nastavljivega nagiba kletk in pametne zasnove zmanjšuje stres in poškodbe tako pri perutnini kot pri delavcih. Dvojni redundantni sistem z rezervnimi tokokrogi, ventili in črpalkami zagotavlja neprekinjeno delovanje, zmanjšuje potrebe po vzdrževanju in povečuje zanesljivost.

Kljub številnim prednostim dizelski motor povečuje emisije, kar vzbuja pomisleke o dolgoročni okoljski trajnosti. Kmetje plačajo 0,03 € na piščanca, medtem ko lastniki strojev vložijo 190.000 € in pokrivajo obratovalne stroške. Vendar pa povečana učinkovitost in prihranek pri delu omogočata donosnost, s pričakovanim letnim prihodkom 25.000 € in povračilno dobo 5 do 7 let.

Sistem, zasnovan za industrijsko uporabo, zmanjšuje število potrebnih zaposlenih s sedem na tri. Deluje po modelu sodelovanja, ki optimizira rabo virov, zmanjšuje finančna bremena rejcev in povečuje splošno dobičkonosnost ter trajnost perutninske proizvodnje.

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Youtube channel: animation and demonstration

15 animations

33 project videos in total

Let's watch an example together!

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Youtube channel: webinars and farmer interviews

10 webinars to date

60-70 attendees at most recent webinar

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Upcoming events

Upcoming:

- June 10: High welfare extensive systems
- July: focus on Entorococcus

Join the webinar!

Get inspired: High animal welfare extensive broiler farming systems

Event by BroilerNet

Wed, Jun 10, 2026, 6:00 PM - 8:00 PM (your local time)

Online

Event link · https://slu-se.zoom.us/webinar/register/WN_HsrT6fHjRk-bobzHOXbtpA#/registration

Teresa Johansson and 8 other attendees

Attend | Share | ···

Details | Comments

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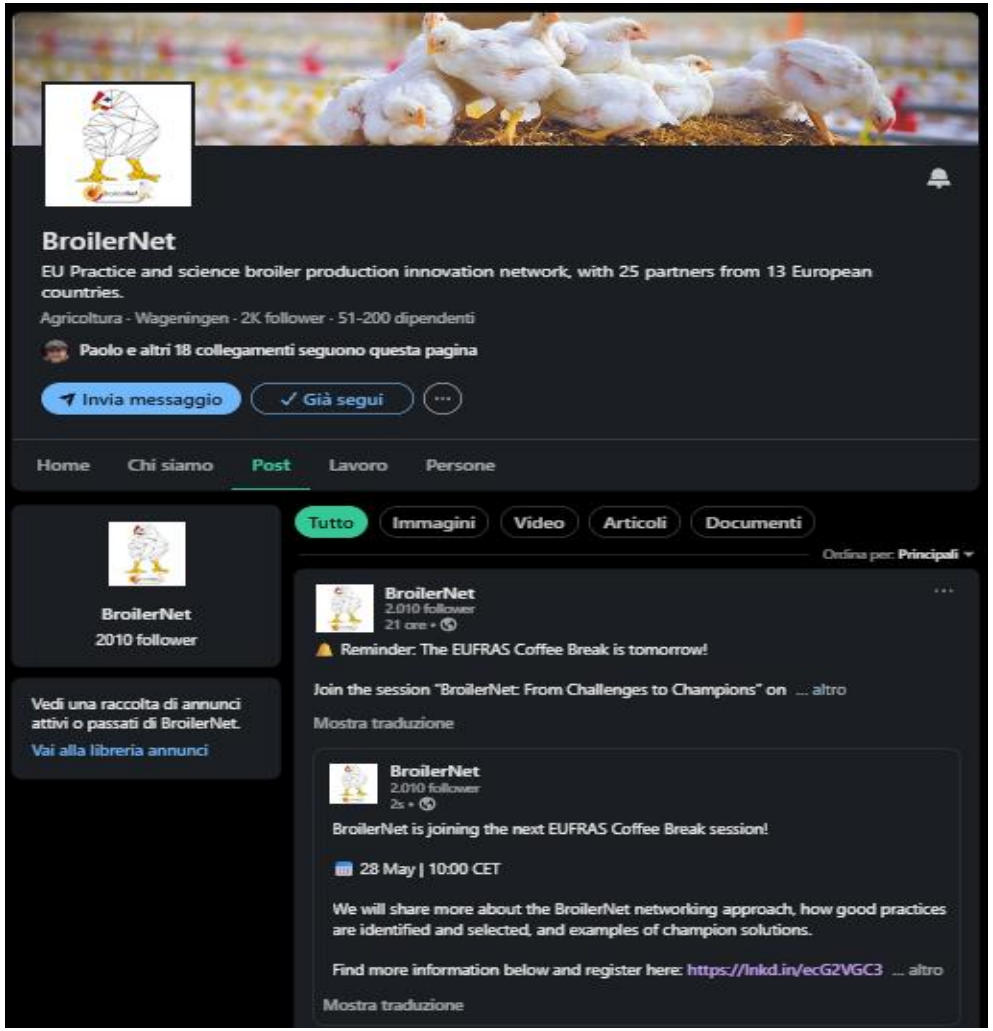
LinkedIn



Follow BroilerNet for *updates and insights*

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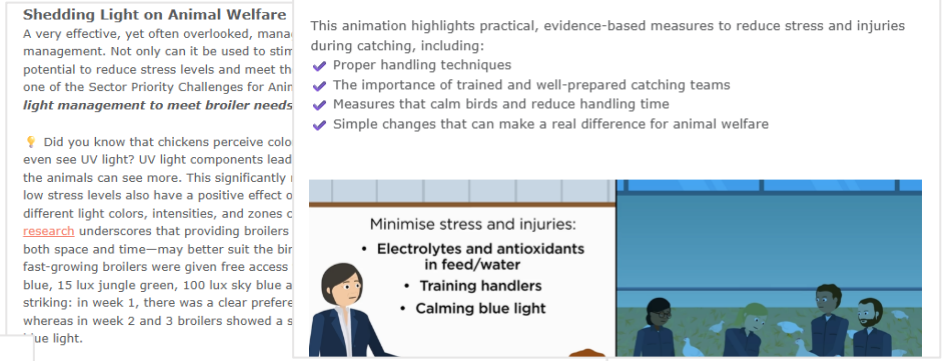
Newsletter


BroilerNet.

Newsletter 13
Number 2 2026

Dear << Test First Name >>,

The Broiler*Net* project started almost four years ago, and was created to strengthen collaboration and knowledge exchange within the European broiler sector. Throughout the project, partners, farmers, advisors, veterinarians, and researchers from 13 countries have worked together to identify practical solutions to key challenges in broiler production.


Shedding Light on Animal Welfare

A very effective, yet often overlooked, mana
management. Not only can it be used to stim
potential to reduce stress levels and meet th
one of the Sector Priority Challenges for Anir
light management to meet broiler needs

Did you know that chickens perceive colo
even see UV light? UV light components lead
the animals can see more. This significantly
low stress levels also have a positive effect o
different light colors, intensities, and zones c
research underscores that providing broilers
both space and time—may better suit the bir
fast-growing broilers were given free access
blue, 15 lux jungle green, 100 lux sky blue a
striking: in week 1, there was a clear prefere
whereas in week 2 and 3 broilers showed a s
ue light.

ast Practices to Optimize Light Management

ght can be optimized artificially through LED lights or naturally via windows. Read below
o Best Practices on how to successfully do this:

GalliSpe

New Animation Video Premieres:

How to minimize stress & injuries during broiler catching

This animation highlights practical, evidence-based measures to reduce stress and injuries during catching, including:

- Proper handling techniques
- The importance of trained and well-prepared catching teams
- Measures that calm birds and reduce handling time
- Simple changes that can make a real difference for animal welfare


Reducing Ammonia Emissions and Measuring Carbon Footprint

On 6 March 2026, there was a webinar exploring the role of broiler production on greenhouse gas emissions. Recent project insights were shared, practical solutions, emission drivers, litter management and the climate impact of evolving broiler production standards.

BroilerNet.

REDUCING AMMONIA EMISSIONS AND MEASURING CARBON FOOTPRINT


Upcoming Webinar about High Welfare Extensive Broiler Farming Systems

The webinar will include presentations by farmers with innovative extensive systems, followed by a panel discussion about challenges, sustainability, animal welfare, and more.

Save the date: Wednesday, June 10 from 18:00 - 20:00 CEST

More information about the webinar to follow!

- More than 376 subscribers
- 13 Quarterly newsletters

Subscribe to our newsletter!

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Thank you