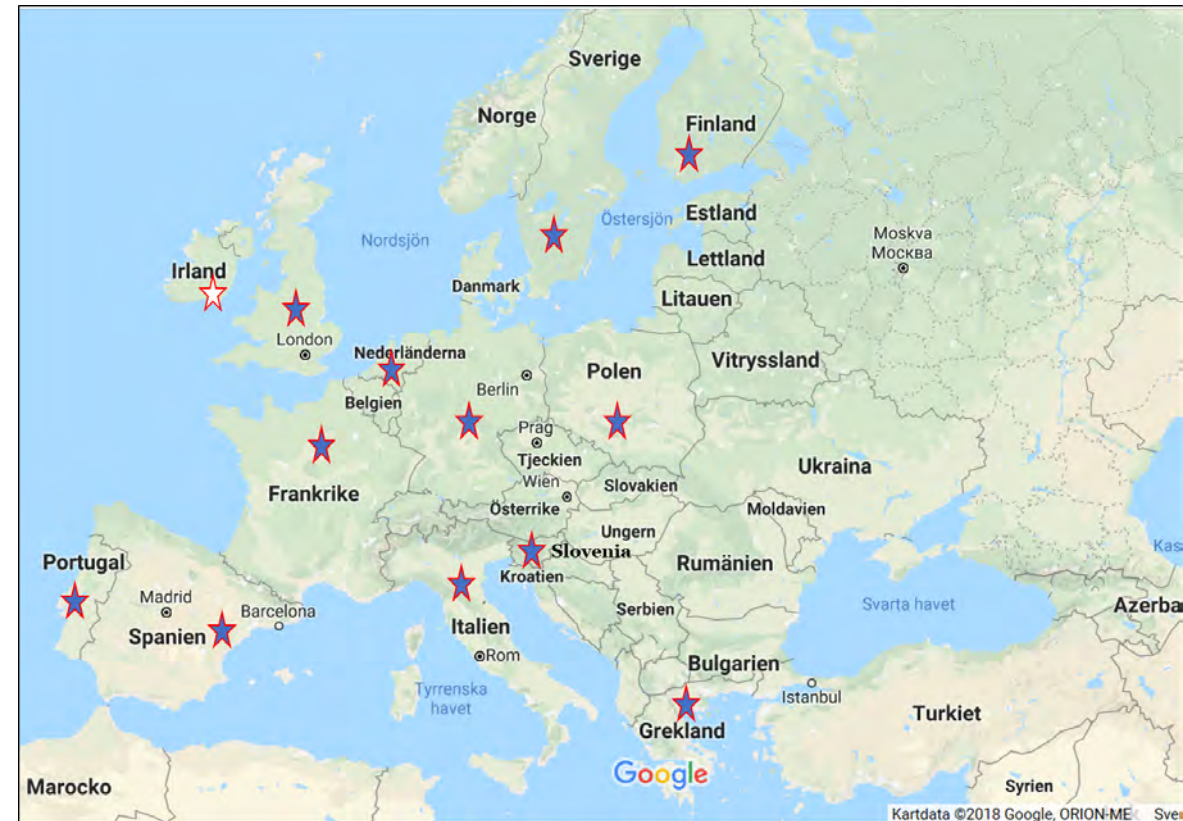


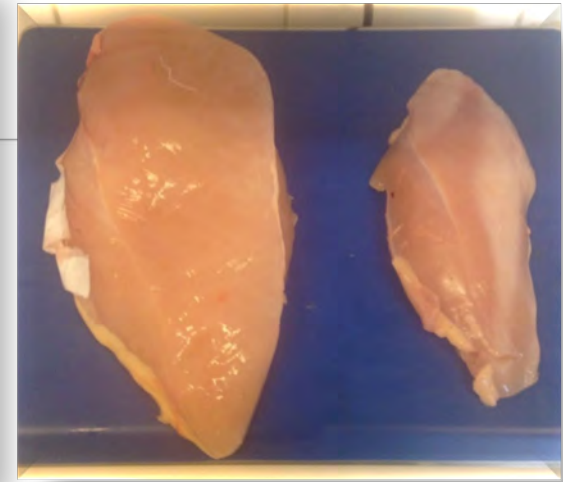
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Practice and science broiler production innovation network

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Challenges



- 🍷 Poultry to become the world's most widely consumed meat
 - 🍷 The EU is the 4th largest importer, and 3rd largest exporter of poultry meat
- 🍷 Challenge for the European poultry meat sector
 - 🍷 Support increased global consumption
 - 🍷 Provide safe and high-quality poultry meat
- 🍷 Society demands
 - 🍷 More environmentally sustainable production
 - 🍷 More animal-friendly production systems
 - 🍷 Better ways of managing animal health





Background



Other existing thematic networks



EIP-AGRI Operational groups



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Aims of BroilerNet

- Enhance the resilience and sustainability of the European broiler sector
- Creating space for interaction between science and practice
- Co-creation of ready-to-use innovative best practices on broiler farms in Europe at national and international levels.
- Mobilise all relevant AKIS actors in the broiler sector to work together to reshape the broiler sector for decades to come

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Partner No.	Participant Organisation Name	Short Name	Country	Actor
1 (Coord.)	Sveriges lantbruksuniversitet	SLU	SE	AP
2	Agence nationale de sécurité sanitaire de l'alimentation, de l'environnement et du travail	ANSES	FR	AP
3	Centro Ricerche Produzioni Animali	CRPA	IT	AP
4	Friedrich-Loeffler-Institut: Bundesforschungsinstitut für Tiergesundheit	FLI	DE	AP
5	Institut de Recerca i Tecnologia Agroalimentaries	IRTA	ES	AP
6	Ellinikos Georgikos Organismos - Dimitra	ELGO	EL	AP
7	Royal Agricultural University	RAU	UK	AP
8	Szkoła Główna Gospodarstwa Wiejskiego w Warszawie	SGGW	PL	AP
9	Univerza v Ljubljani	UL	SI	AP
10	Stichting Wageningen Research	WR	NL	AP
11	Helsingin Yliopisto	UH	FI	AP
12	Faculdade de medicina veterinaria	FMV	PT	AP
13	Svensk Fågel Service AB	SFS	SE	InP
14	Terrena Société Coopérative Agricole (Galliance)	TERRENA	FR	InP
15	Unione Nazionale Filiere Agroalimentari delle Carni e delle Uova	UNAIT	IT	InP
16	Bundesverband bäuerlicher Hähnerzeuger	BVH	DE	InP
17	Federació Avícola Catalana	FAC	ES	InP
18	Agrotikos Ptinotrofikos Synetairismos Ioanninon	PINDOS	EL	InP
19	British Poultry Council	BPC	UK	InP
20	Polski Związek Zrzeszeń Hodowców i Producentów Drobiu	PZZHiPD	PL	InP
21	PERUTNINA Ptuj Reja Perutnine Proizvodnja Krmil Perutninskega Mesa in Izdelkov Trgovina in Storitve	PERUT	SI	InP
22	Federação Portuguesa das Associações Avícolas	ANCAVE	PT	InP
23	Teagasc	Teagasc	IE	AP
24	Suomen Siipikarjasäätö	SIPI	FI	InP
25	Leenders Vennootschap Onder Firma	Lennders VOF	NL	InP





Specific objectives

1. Establish 12 national Broiler Innovation Networks (BINs) of broiler farmers, integrator companies, farmers' organisations, advisors, researchers and veterinarians to enhance national collaboration, enable information exchange, and collect innovative ideas and Good practices (GPs)
 - a) Creating these BINs will ensure a bottom-up approach to networking and enhance exchange of science and best practices within and across the major broiler producing countries in Europe.
2. Create three Thematic Expert Networks (TENs) at the European level bringing together supply chain integrator companies, etc. around the three key them:
 - a) *environmental sustainability*
 - b) *animal welfare*
 - c) *animal health management*

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The TENs aim

 - a) to collect the innovative ideas and practices identified by the BINs,
 - b) perform evaluations and cost-benefit analyses of these practices and
 - c) disseminate the best practices across Europe

Broiler

3. Engage with existing and new broiler-focused EIP-AGRI Operational Groups (OGs) and enhance their impact

The project will actively engage with OGs through the BINs and TENs and will harvest, use and further disseminate the innovative solutions identified by the OG on national and European level.

4. Identify and assess the most urgent needs of broiler farmers across the three key themes
 - a) identifying the most urgent knowledge needs of the broiler sector in the partner countries
 - b) TENs will identify the priority challenges as a sector and
 - c) work on finding innovative solutions to solve the most important challenges within the broiler sector across Europe

5. Disseminate practice-ready research solution- and innovative good practices and enhance uptake and impact by developing multi-language user material and videos to deploy the knowledge reservoir and organising national road shows.
 - a) The end-user material will be developed in partnership with identified broiler related OGs and national and European AKIS channels relevant to the sector, adapted to national contexts and shared through the EIP-AGRI network

Examples of important needs initially identified

Environmental sustainability

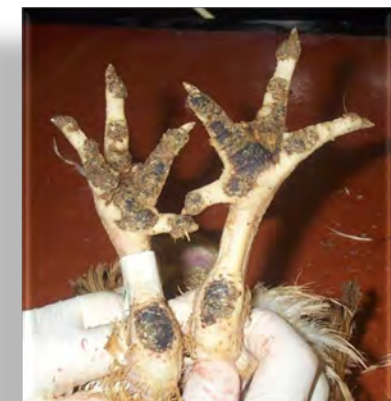
- Reducing ammonia and odour emissions from broiler houses
- Managing the CO² balance in different housing systems
- Effect of use of slow-growing broiler genotypes



Picture SLU

Animal welfare

- Handling newly hatched birds, including in house hatching
- Reducing foot pad dermatitis
- Thinning of flocks and the impact on animal welfare



Picture SLU

Examples of important needs initially identified

Animal Health Management

- Investigating alternatives to antibiotics/coccidiostats →
- Implementing different vaccination strategies
- Understanding the effect of pandemics and potential zoonotic diseases

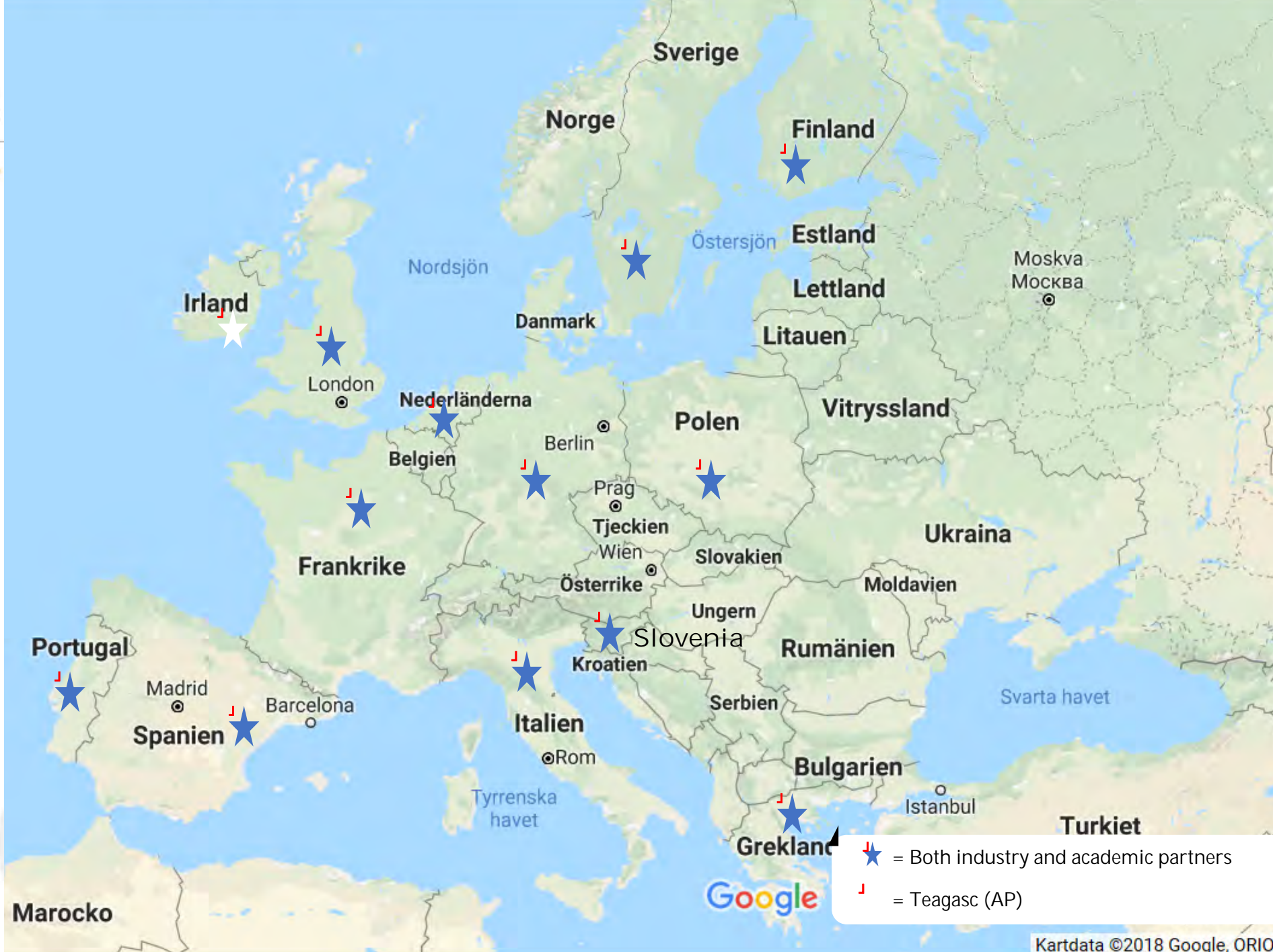


Picture SLU

Miscellaneous

- EU production compared to e.g. asian exporters
- Digital tools for modernising the broiler sector
- Better Chicken Commitment – challenges on farms







BROILERNET - a platform for dialogue, facilitating the exchange of knowledge and sharing of innovative Good Practices across Europe with focus on:

- Three challenges
- ✓ environmental sustainability
 - ✓ animal welfare
 - ✓ animal health management



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★ = Both industry and academic partners
 ↻ = Iterated regularly
 J = Teagasc (AP)

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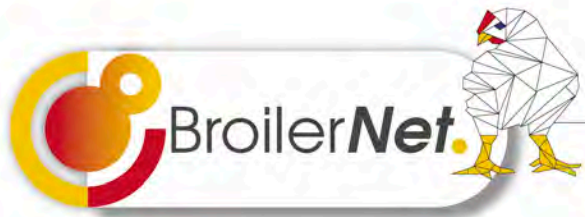
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EIP-AGRI Operational groups

EIP-AGRI Operational group	Country	Start	End
GMOVEL / CMOBILE - Control of weeds with chickens in the vineyard line, orchards and between lines of horticultural crops, and egg and meat production	PT	2016	2021
Campyfree: Control strategies of Campylobacter in poultry meat and meat products	PT	2017	2021
Feed Back Farm, test facility for the local valorisation of organic waste streams	NL	2018	2021
Optimization of fertility poultry livestock with insects	NL	2019	2021
FEEDS-Meals of insects reared on agricultural by-products for feed production	IT	2019	2021
The Circular Economy of the Murciana Chicken	ES	2019	2021
Safe Farm - product, process and marketing innovation related to the breeding of broiler chickens	PL	2019	2022
Vegetable scraps: bioconversion for poultry farming	IT	2019	2022
A tailor-made (energy neutral) chicken shed for each chicken²	NL	2020	2021
Reducing ammonia emissions from broiler chicken production	UK	2020	2021
Vegetable coal as Poultry litter - Residue Biomass to (Activated) Carbon: Prevent Foot Pad Lesions in Poultry Husbandry	DE	2020	2023
Researching the possibilities for using high-protein sunflower seed extract for developing a new feed product/supplement as an alternative protein sources	BG	2020	2023
Nasekomo - Introducing highly innovative technologies for feeding broilers and laying hens to improve their health and the quality of their products	BG	2020	2023
Essential oils to reduce stress impacts in chicks	FR	2021	2021

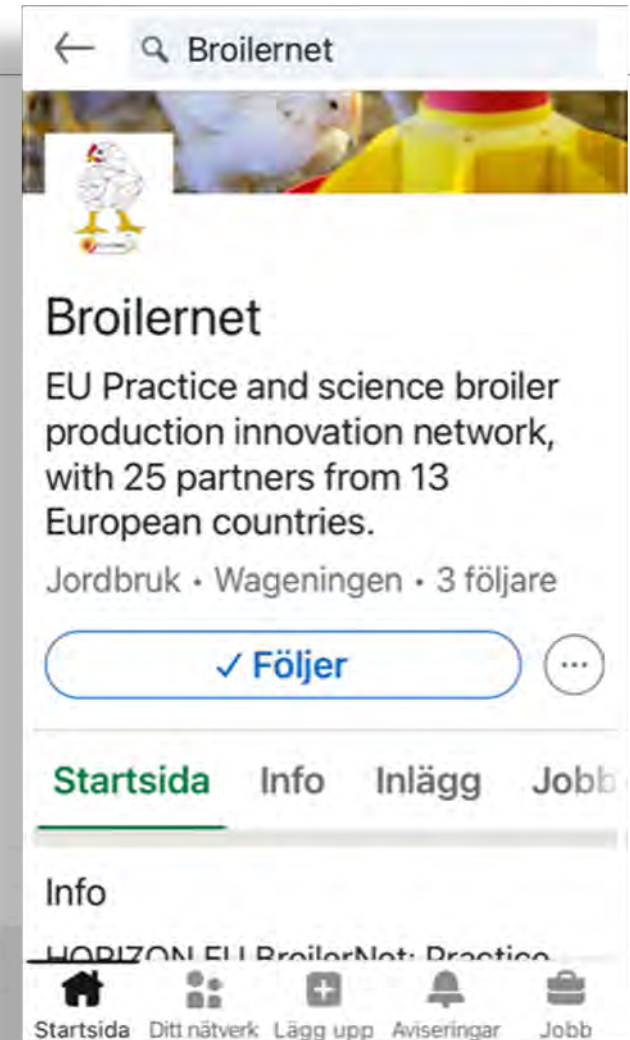




Social media

Twitter

LinkedIn



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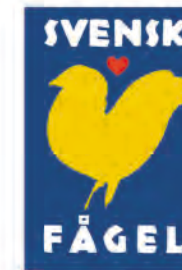


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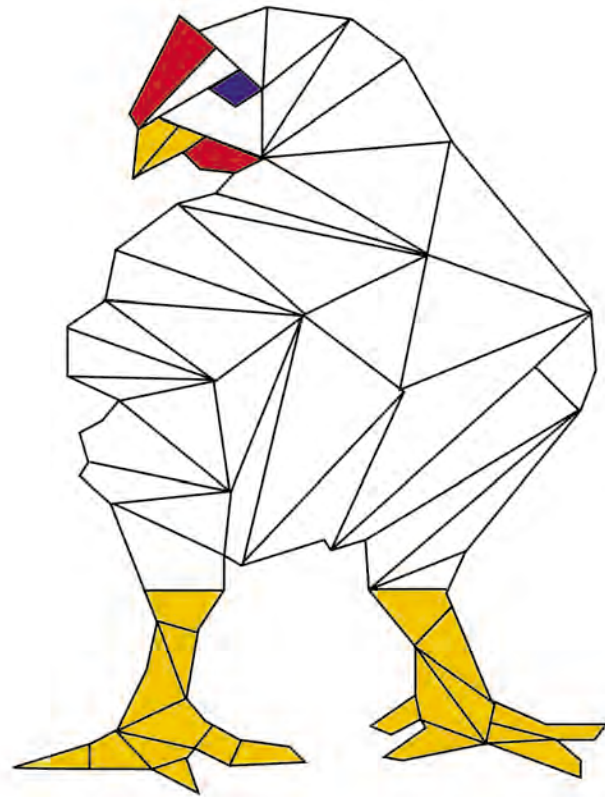


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Thank you for listening!



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