

Pilot project on best practices for alternative egg production systems

2021-2023



European Parliament pilot project

- Since 2012, ban on conventional cages in EU (1999/74/EC)
- Furnished cages and cage-free systems
- Limited space and limited opportunities for natural behaviour in furnished cages



Improving laying hen welfare by stimulating transition to non cage systems



Variation in use of cage and cage-free systems

EU market situation for eggs September 2020

	Enriched cage	Barn	Free range	Organic
The Netherlands	14%	61%	18%	7%
Denmark	13%	47%	8%	32%
Germany	6%	61%	21%	12%
France	54%	12%	23%	11%



Main objective

Help EU egg producers by providing practical guidance on how to transition.com to alternative higher-welfare cage-free systems





Consortium and focus countries

Consortium: 7 Partners +

2 Subcontractors

5 Countries (BE, DK, ES, NL, PL)

Countries with high % cage-free:

DK, NL, DE, FR

Dissemination countries (defined in call):

ES, PT, PL, BE







Project tasks (May 2021- May 2023)

Task 1 Work plan + methodology

Task 2 Collecting and assessing

information

Task 3 Drafting best practices

Task 4 Consulting stakeholders

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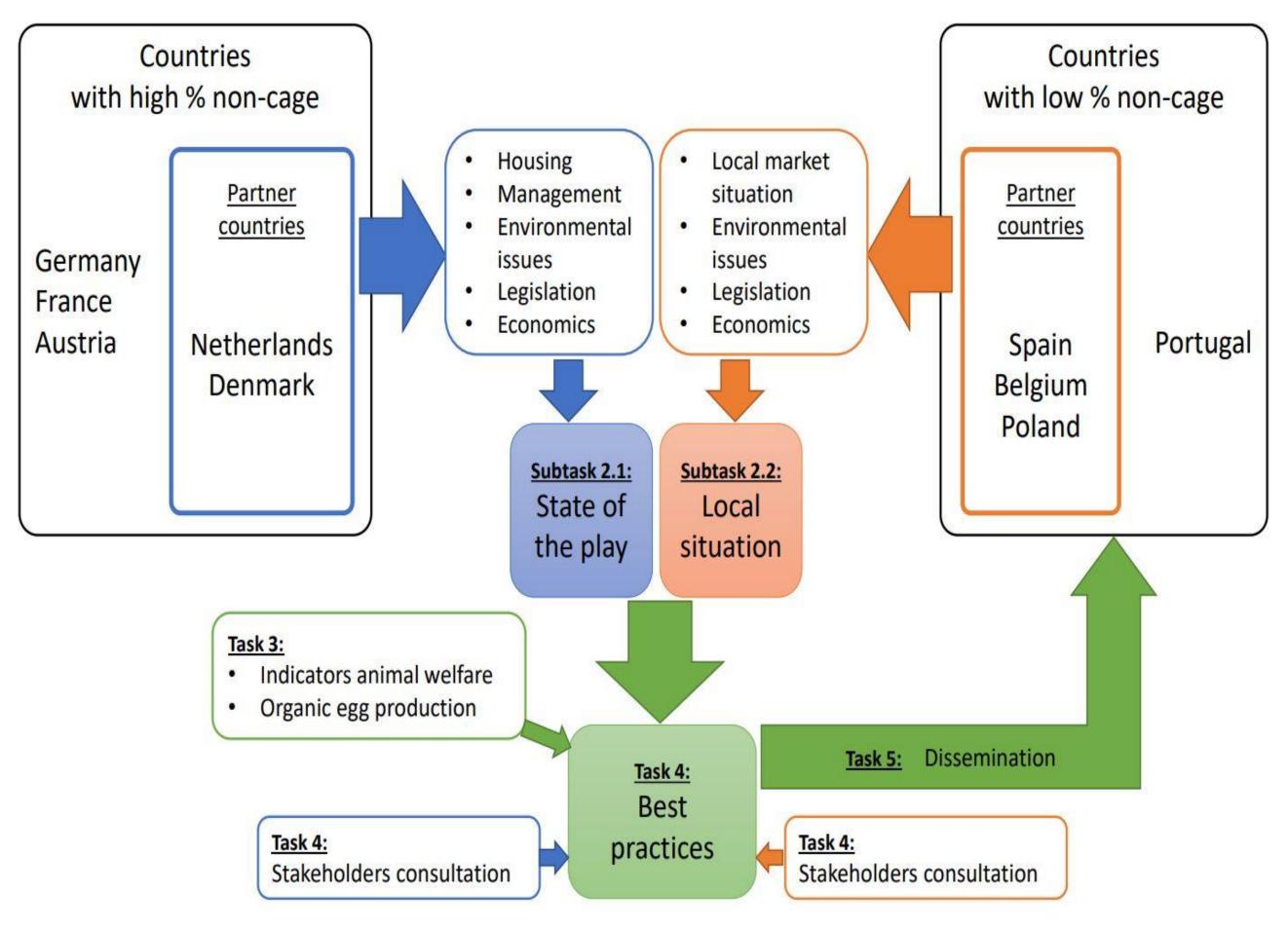
Final Best Practices + Practice Abstracts



Task 5 Dissemination



Task 1 Work plan + methodology

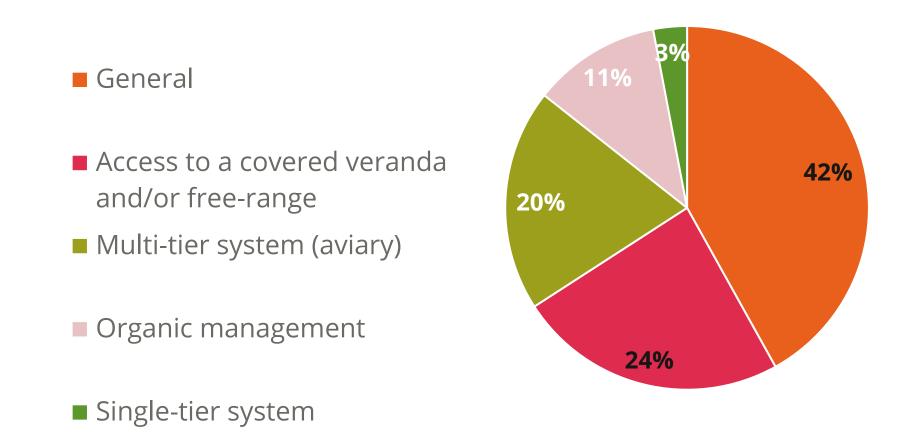




Task 2 Collecting and assessing information

Scientific literature (separate for pullets and laying hens):

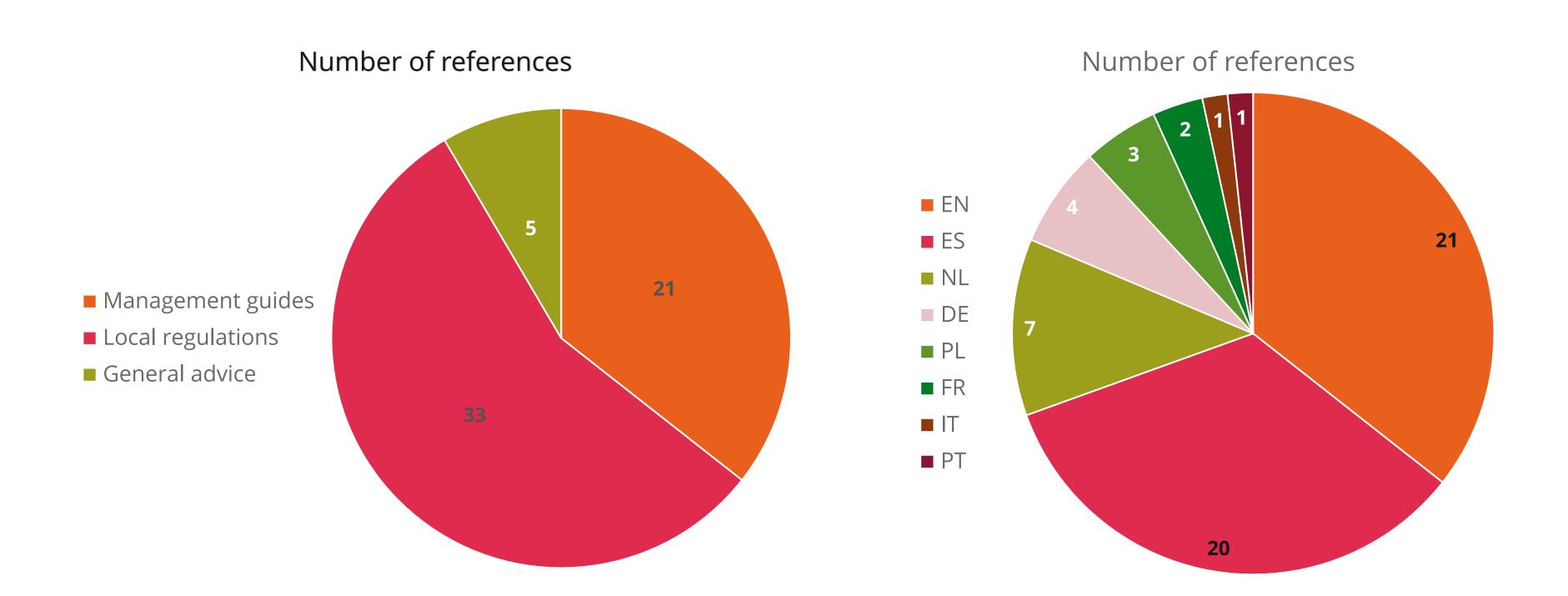
- Web of science
- Timespan: 2005-2021
- Peer-reviewed original research and review articles
- In English
- Removal of duplicates
- Abstract reading
- Categorization or rejection (incl. reason)
- Full paper reading, report writing



39 papers pullets167 papers laying hens



Task 2 Collecting and assessing information: Technical information





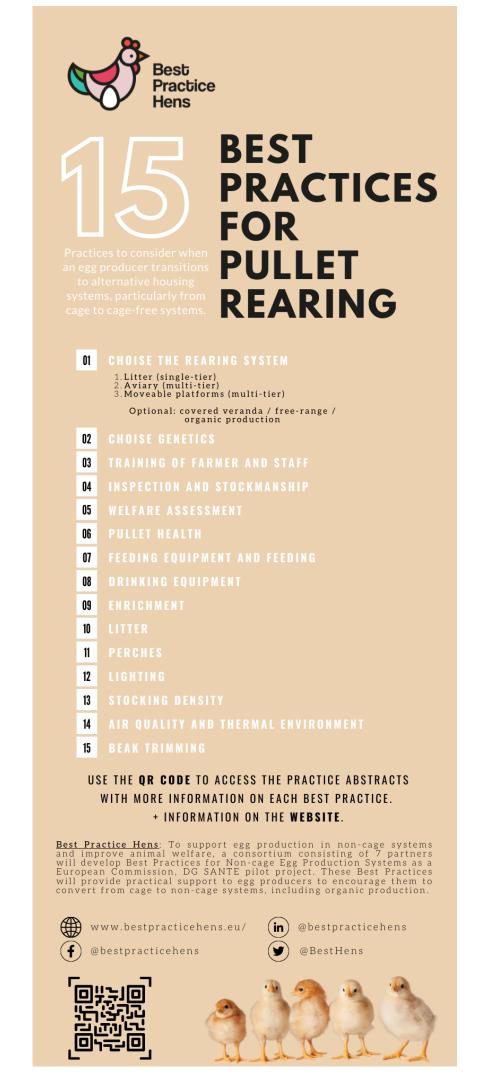
Task 3 Drafting Best Practices

- 68 best practices in total (based on scientific literature)
 - 24 Pullets
 - 10 All systems
 - 4 Floor / single-tier system
 - 4 Multi-tier system
 - 1 Covered veranda / free range
 - 5 Organic

- 44 Laying hens
 - 12 All systems
 - 3 Floor / single-tier system
 - 9 Multi-tier system
 - 14 Covered veranda / free range
 - 6 Organic



Task 3: Refined to best practices across housing systems

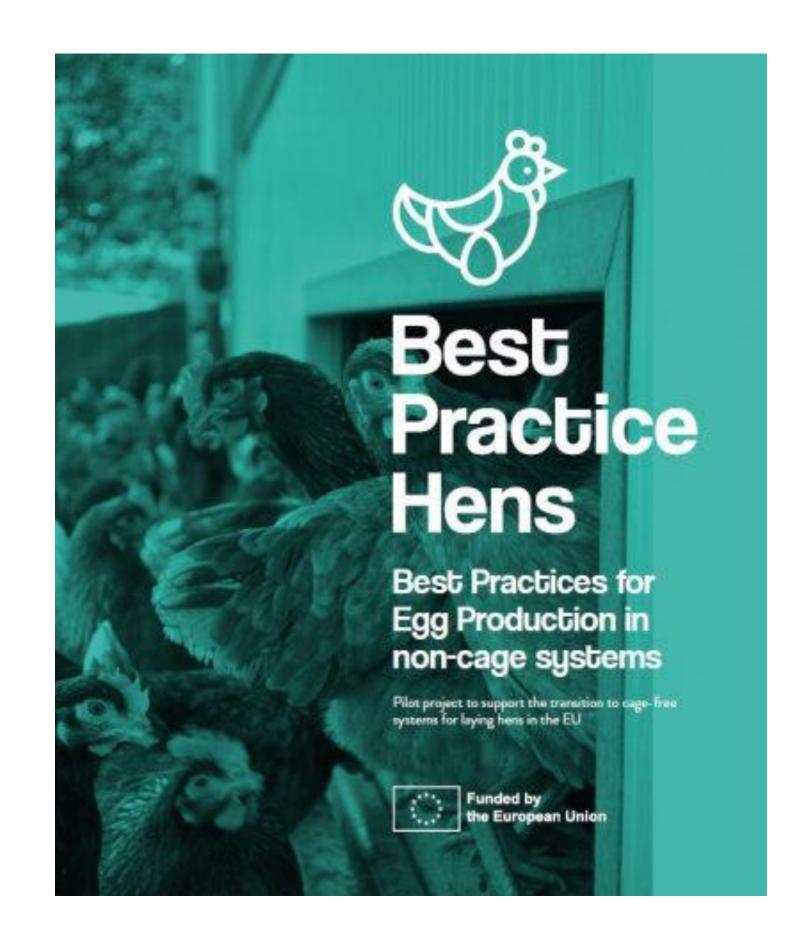






Task 4 Consulting stakeholders

- Collected input and feedback on best practices
 - Stakeholder Advisory Board
 - Cage-free countries: Germany,
 Denmark
 - Target countries: Belgium, Spain,
 Portugal, Poland



Additions: useful practical advice for farmers





https://bestpracticehens.eu/

Task 5 Best practices developed into 28 practice abstracts (EIP-AGRI)



PRACTICE ABSTRACT

APPLICABILITY BOX

Training of farmer and staff, animal

laying hens, and pullets.

Target audience

Farmer, personnel, caretaker, education,

Transition to and operating cage-free

nousing systems for pullets and laying hens

All cage-free housing systems (barn, free-

range, organic production) for pullets and

husbandry

Training for farmers and staff to handle and care for hens in cage-free housing systems

Problem

The care for pullets and laying hens in cage-free housing systems places high demands on farmers | Theme and staff. Caretakers who have only experience with managing hens in cages are often not sufficiently trained for this new task. Therefore, problems may arise particularly during the transition phase from cages to cage-free systems.

Solution

Farmers and staff having the daily responsibility for pullets and laying hens in cage-free systems need to receive appropriate training, tailored to the specific cage-free system and adapted to the context of the farmer.

Competent handling and management of hens in cage-free systems improve production

Farmers, farm advisors, policy markers performance, animal health and welfare. This leads to economic benefits and job satisfaction.

Practical recommendations

Farmers need to ensure that they and their staff, who have the daily responsibility for the pullets and laying hens in cage-free housing systems, have the necessary knowledge and skills in good management procedures regarding these systems. They need to have a proper understanding of the welfare, including the health and the behaviour, of pullets and laying hens. These skills can be acquired and maintained by appropriate training, tailored to the cage-free housing system in place (barn, free-range, organic production). Training should cover the

- · How to comply with relevant (local) legislation
- How to recognize normal behaviour and signs of good health
- How to recognize abnormal behaviour and signs of disease
- · How to quickly take effective corrective measures
- How to seek additional help from experts (e.g. veterinarian, feed advisor) if necessary

Practice Abstracts

Laying Hens and Pullets

- The choice of genetics for hens for cage-free systems
- Training for farmers and staff to handle and care for hens in cage-free housing systems
- How to decide which protocol to use for assessing the welfare of laying hens in cage-free systems?
- Challenges to keep hens healthy in cage-free housing systems
- Challenges to keep hens healthy in cage-free housing systems: endoparasites
- Perching opportunities and characteristics
- Preparation of drinking equipment for hens transitioning from rearing to laying phase in cage-free housing systems
- Litter provision and management for pullets and laying hens in cage-free systems
- Free-range access for laying hens PART 1

Training for farmers and staff to handle and care for hens in cage-free housing systems. Utrecht University. Best Practice Hens.



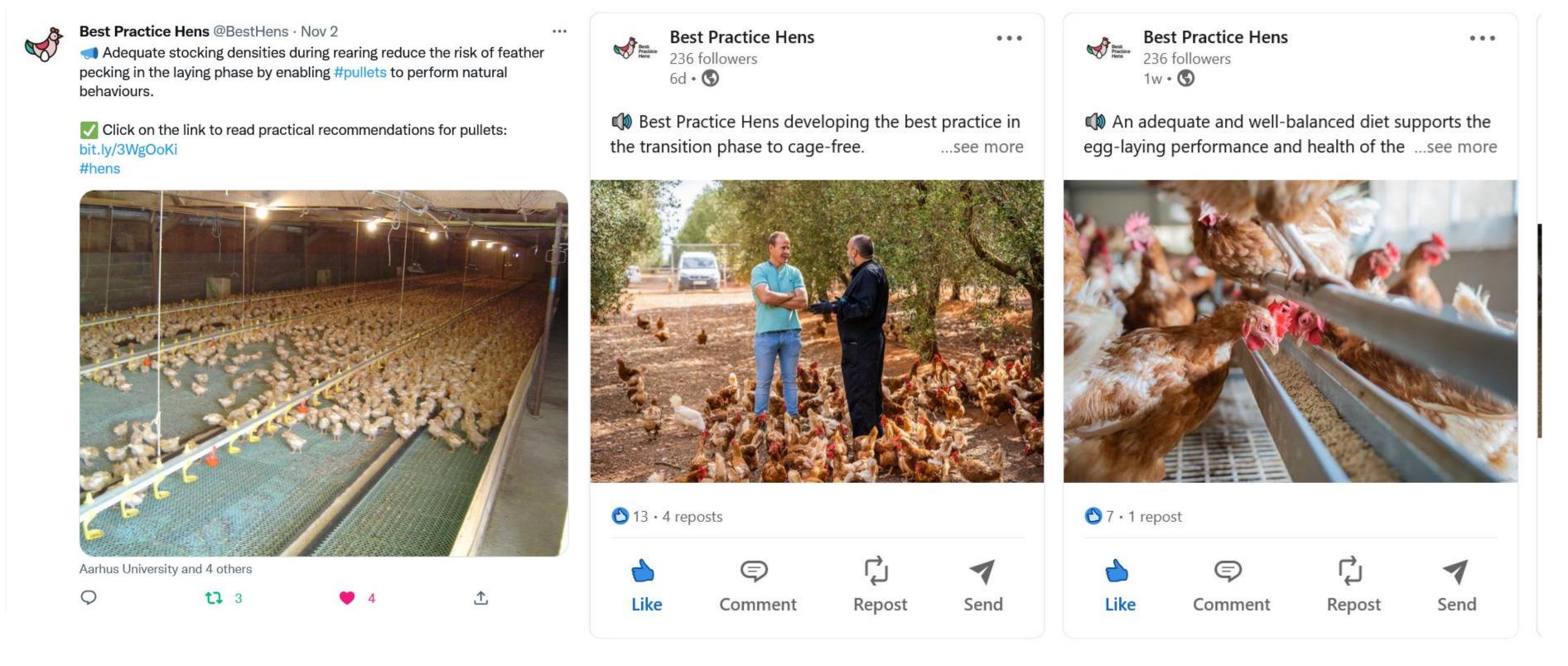






Task 5 Practice abstracts on social media

@BestHens on Twitter and @bestpracticehens / Best Practice Hens on Facebook and LinkedIn







Task 5 Dissemination meetings in target countries



- Half-a-day meetings in Poland, Spain, Portugal,
 Belgium and final event in Brussels
 - Introduction to the project
 - Transitioning to cage-free systems, economics
 - Local situation in the target country
 - Introducing the best practices
 - Roundtable with stakeholders on topics of interest

Agenda Belgium 12 January Portugal 9 March Poland 15 March Spain 30 March

Brussels 3 May 2023



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Thank you for your attention!



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