



EFSA scientific opinion on rabbit welfare

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180 million rabbits farmed for meat annually in the EU

66% of the total EU production kept in conventional farms: medium and large size farms (>600 breeding does) all over Europe (about 4500 farms producing)

Public concerns: poor welfare, high stress, high mortality, no specific stunning methods

No species-specific legislation protecting the welfare of farmed rabbits exists in the EU



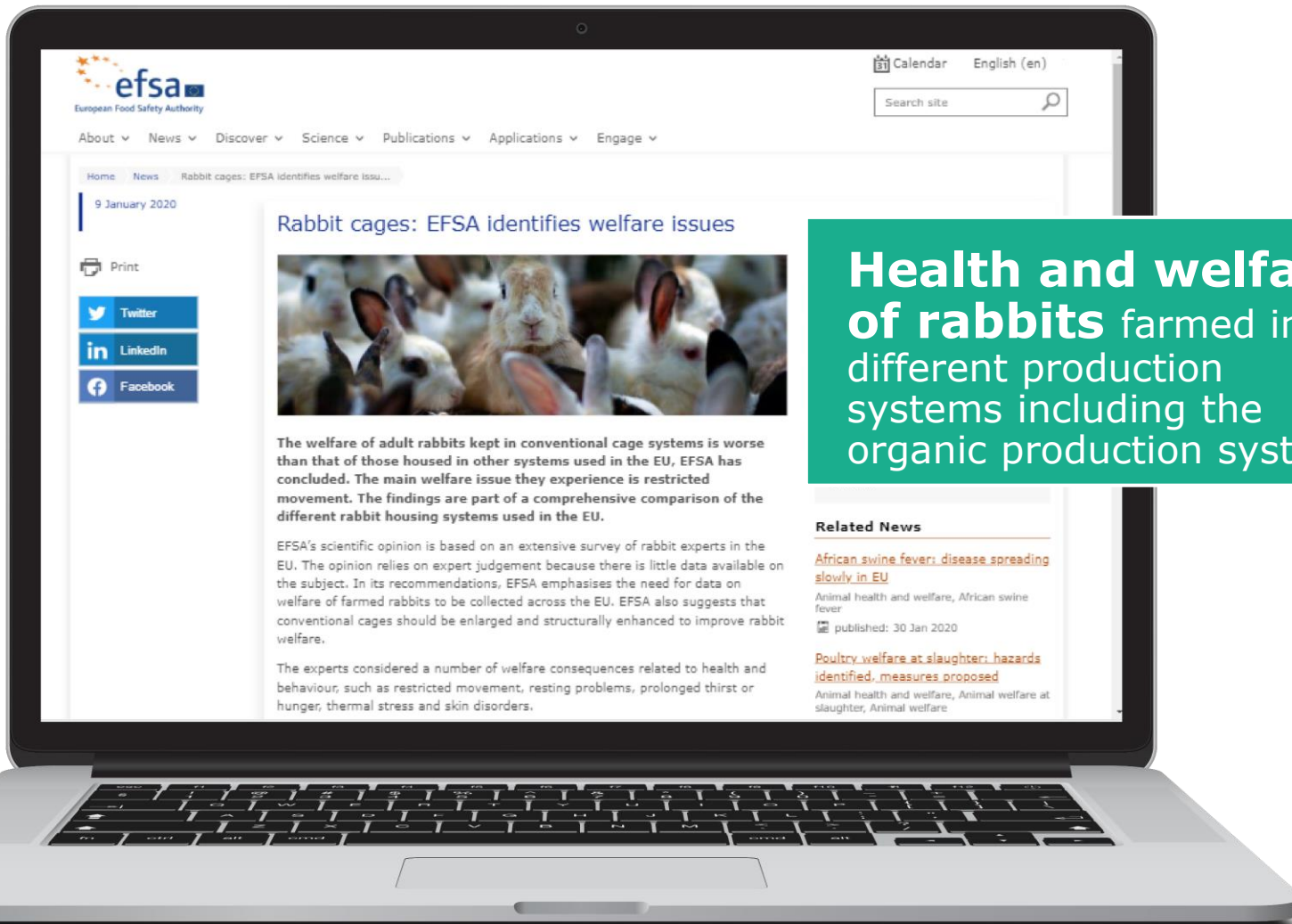
EP resolution on minimum standards for the protection of farmed rabbits

Request to EFSA to provide scientific advice on:

Health and welfare of rabbits farmed in different production systems including the organic production system (Scientific opinion 1)

“Stunning methods and slaughter of rabbits for human consumption” (Scientific opinion 2)

“Killing methods for rabbits (not for human consumption)” (Scientific opinion 3)



Health and welfare of rabbits farmed in different production systems including the organic production system

Rabbit cages: EFSA identifies welfare issues



The welfare of adult rabbits kept in conventional cage systems is worse than that of those housed in other systems used in the EU, EFSA has concluded. The main welfare issue they experience is restricted movement. The findings are part of a comprehensive comparison of the different rabbit housing systems used in the EU.

EFSA's scientific opinion is based on an extensive survey of rabbit experts in the EU. The opinion relies on expert judgement because there is little data available on the subject. In its recommendations, EFSA emphasises the need for data on welfare of farmed rabbits to be collected across the EU. EFSA also suggests that conventional cages should be enlarged and structurally enhanced to improve rabbit welfare.

The experts considered a number of welfare consequences related to health and behaviour, such as restricted movement, resting problems, prolonged thirst or hunger, thermal stress and skin disorders.

Related News

[African swine fever: disease spreading slowly in EU](#)

Animal health and welfare, African swine fever

published: 30 Jan 2020

[Poultry welfare at slaughter: hazards identified, measures proposed](#)

Animal health and welfare, Animal welfare at slaughter, Animal welfare

Animal categories



Reproducing does



Kits



Growing rabbits

Conventional production

Conventional cages

Structurally enriched cages

Elevated pens (indoor parks)

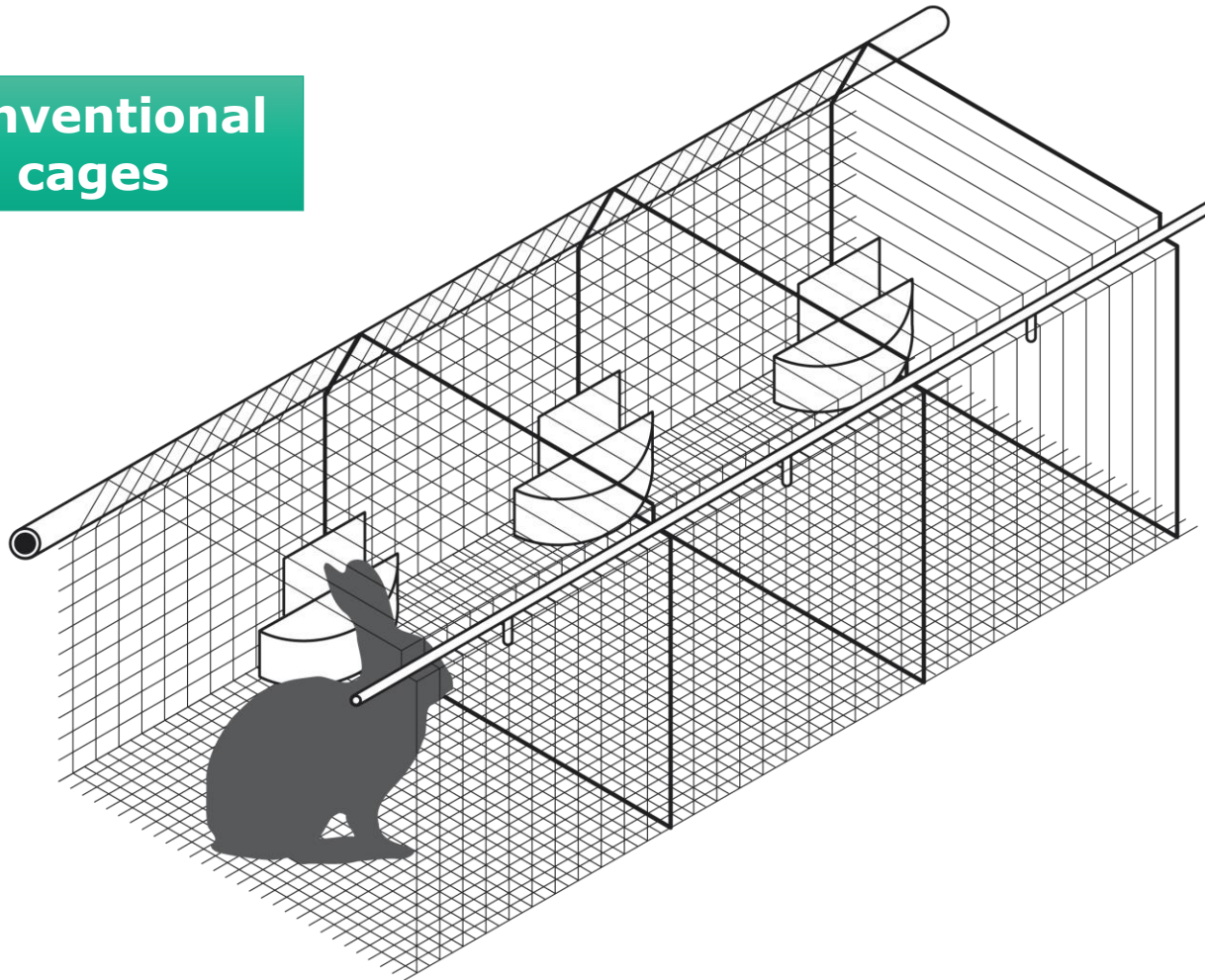
'Niche' production

Floor pens (indoor parks)

Outdoor /partially outdoor systems

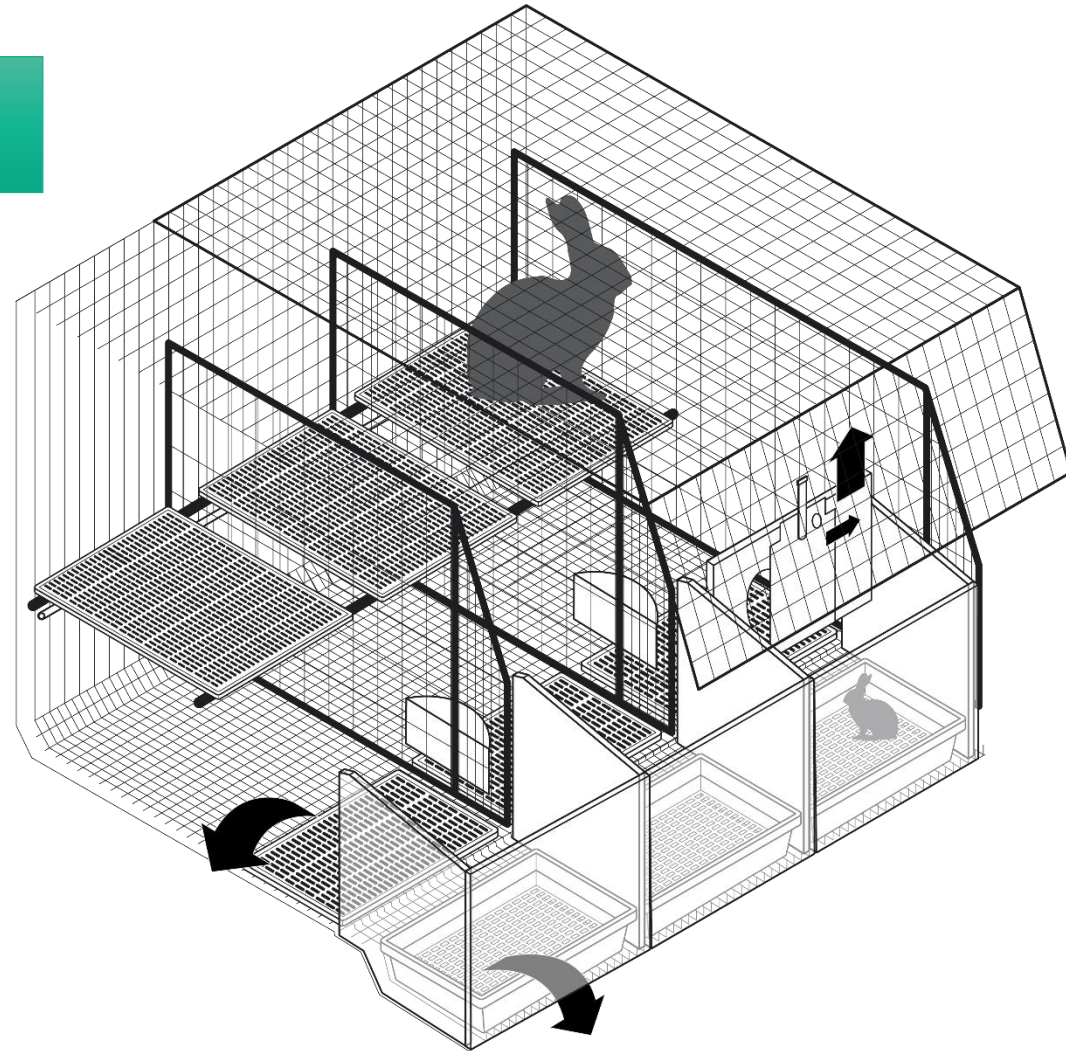
Organic systems

Conventional cages



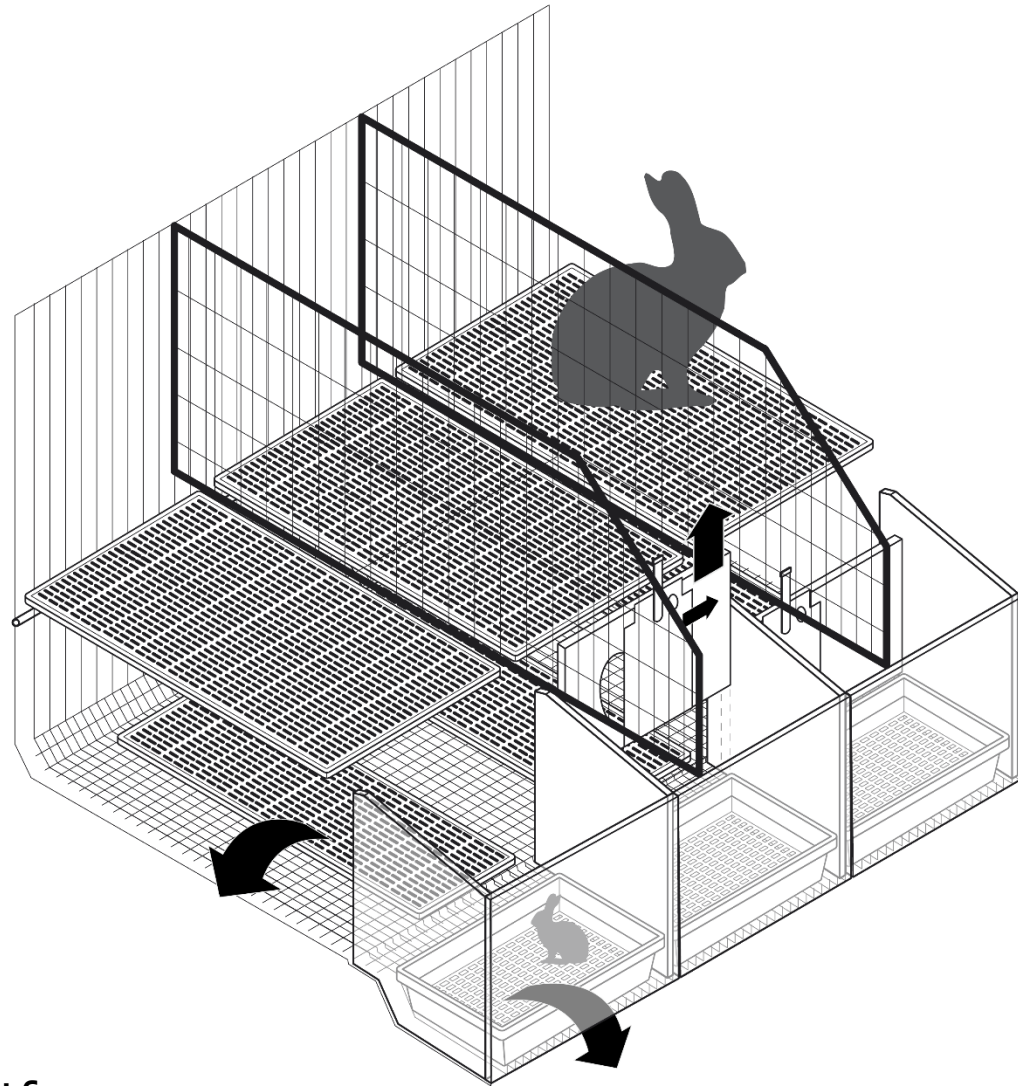
- wire cages with plastic footrests
- equipped only with a feeder, a drinker and a nest area
- dual purpose (doe and its litter or growing rabbits in small groups)

Enriched cages

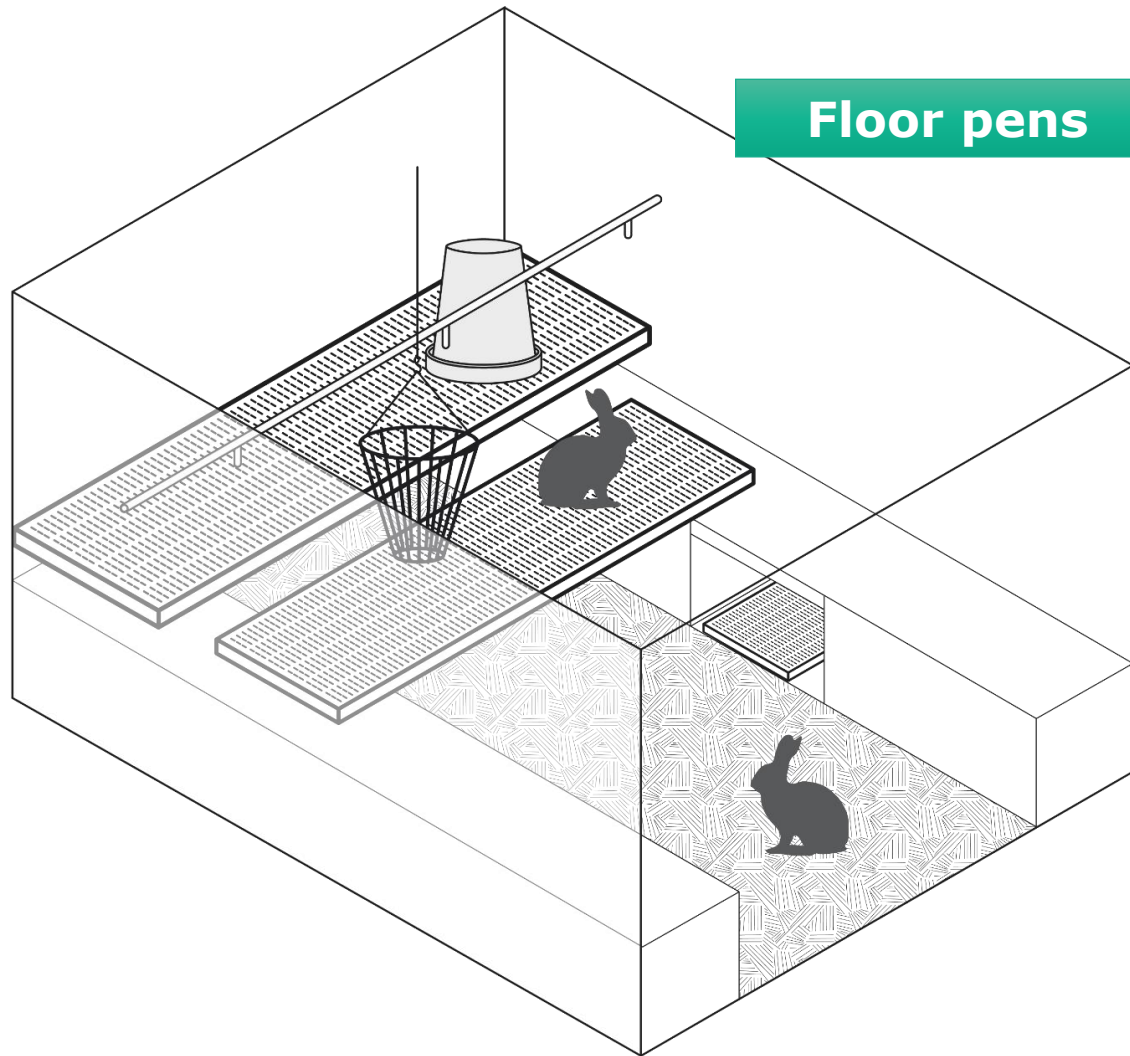


- Wire cages
- Greater floor area and height
- Equipped with elevated platforms and plastic footrests
- Dual-purpose (doe and its litter or growing rabbits in small groups)

Elevated pens (parks)



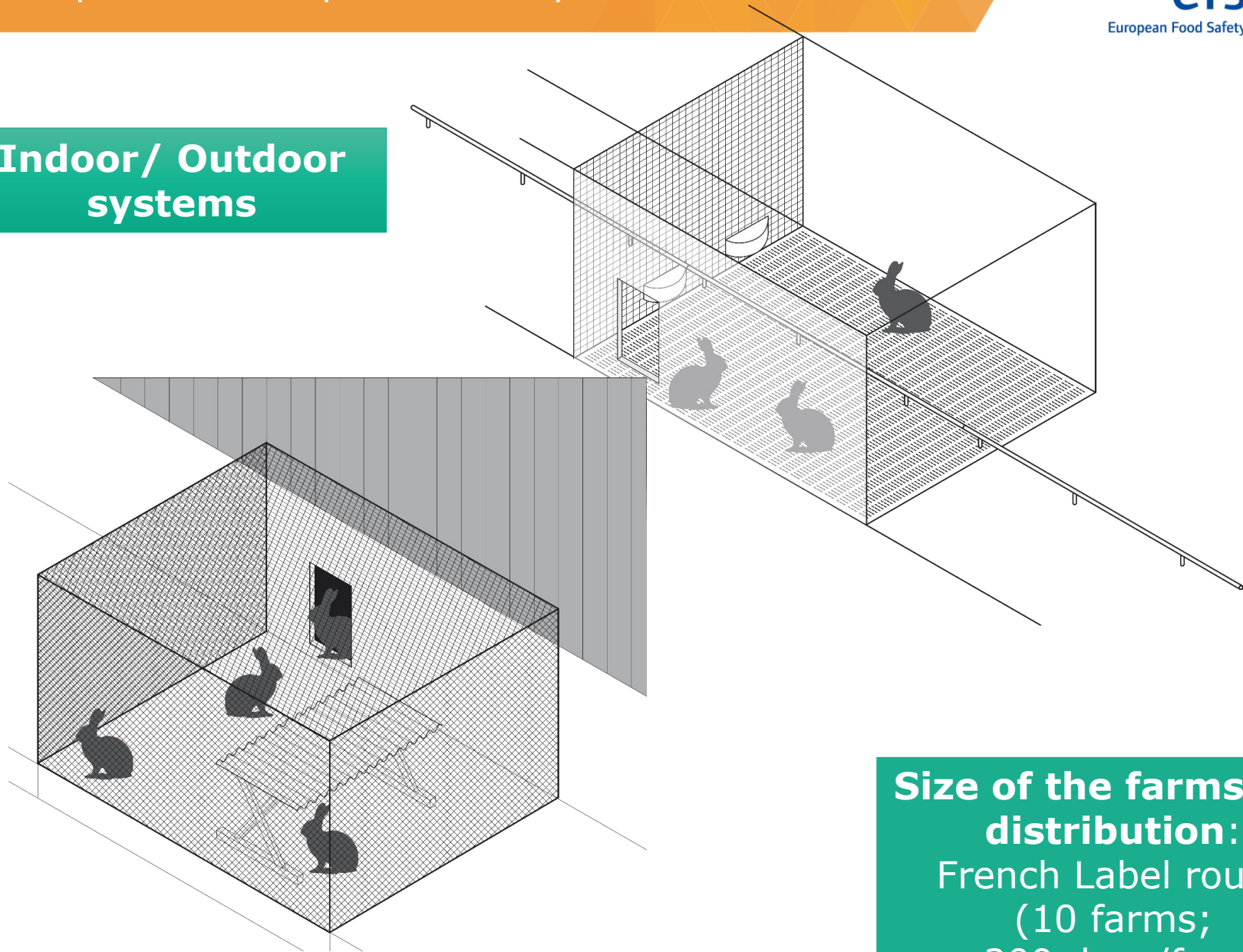
- larger elevated pens
- slatted floors and platforms
- used for growing rabbits in large groups (32–36 rabbits)
- modules linked together for group housing of does by removing wire walls



Size of the farms and distribution:
Swiss farms
(about 56 farms with
60 does/farm)

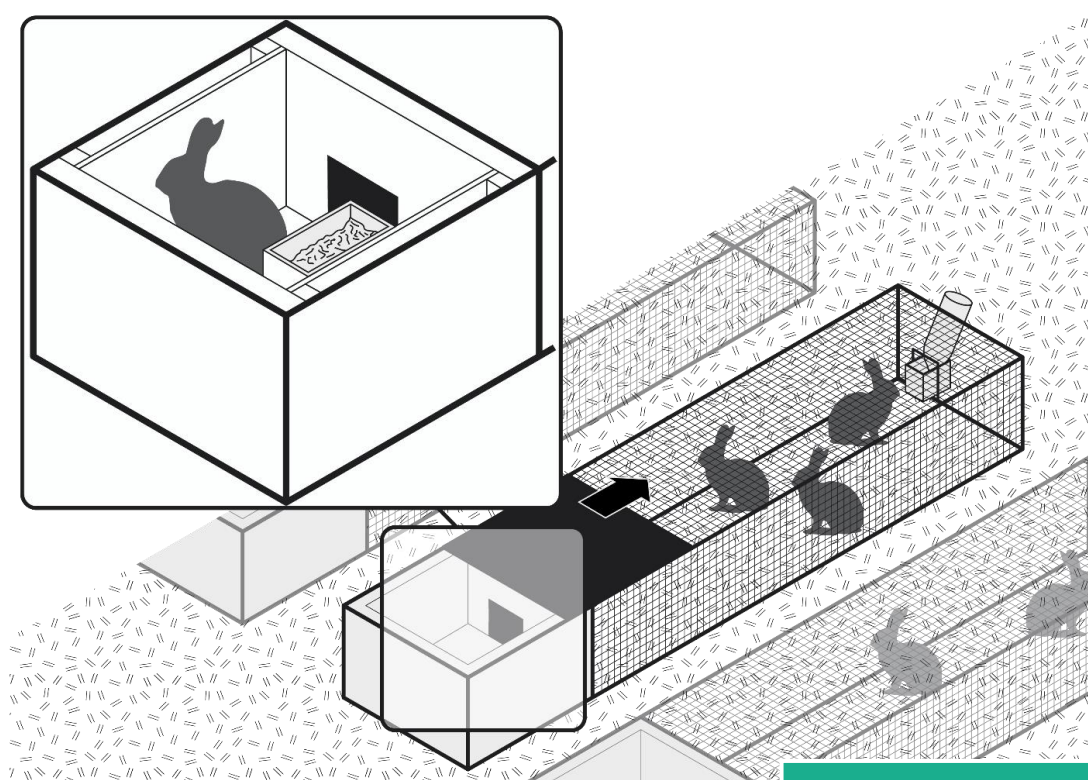
- open top larger pens with totally or partially solid floor
- bedding material, usually straw.
- group housing for does or growing rabbits

Indoor/ Outdoor systems



- Provide free access to outdoor area

Size of the farms and distribution:
French Label rouge
(10 farms;
<200 does/farm)



Organic system

Size of the farms and distribution:

French system (50 farms;
<50 does/farm)

- Covered by reg 2018/848
- Movable wire cages – to be moved outdoor for foraging on pasture
- Provide shelter including a dark hiding place
- No slatted floor, straw bedding, use of organic feed, use of robust breeds, no antibiotics, no hormones.

WELFARE CONSEQUENCES

Behaviour-related

- Restriction of movement
- Resting problem
- Inability to express maternal behaviour
- Inability to express positive social behaviour
- Inability to express gnawing behaviour
- Occurrence of abnormal behaviour
- Fear

Health-related

- Prolonged hunger
- Prolonged thirst
- Pododermatitis
- Locomotory disorders
- Skin lesions
- Respiratory disorders
- Gastro-intestinal disorders
- Skin disorders
- Reproductive disorders
- Mastitis
- Neonatal disorders
- Heat stress
- Cold stress



RESTRICTION OF
MOVEMENT



GNAWING
BEHAVIOUR



SOCIAL
BEHAVIOUR



ABNORMAL
BEHAVIOUR



SKIN
LESIONS



SKIN LESIONS
FOR KITS



PODODERMATITIS



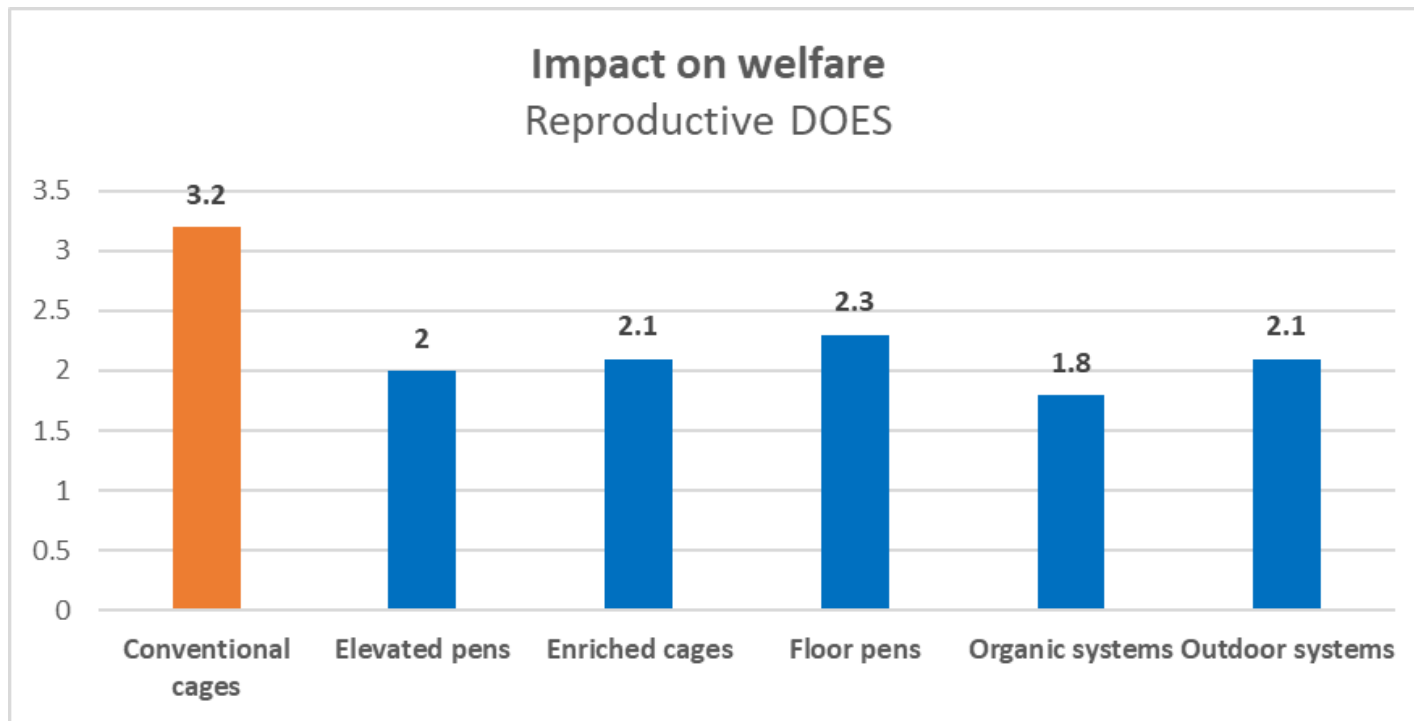
PROLONGED
HUNGER

IMPACT ON WELFARE = OCCURRENCE x DURATION x SEVERITY

Lack of data

**Expert opinion
provided estimates**

- **Survey:** 88 respondents - separately for the three rabbit categories in one or two of the six housing systems each - total = 125 completed surveys about occurrence and duration.
- **Workshop with experts:** 8 hearing experts invited to discuss about severity



CONCLUSION:

The welfare of DOES is lower in conventional cages, but no distinction can be made among the five other housing systems.

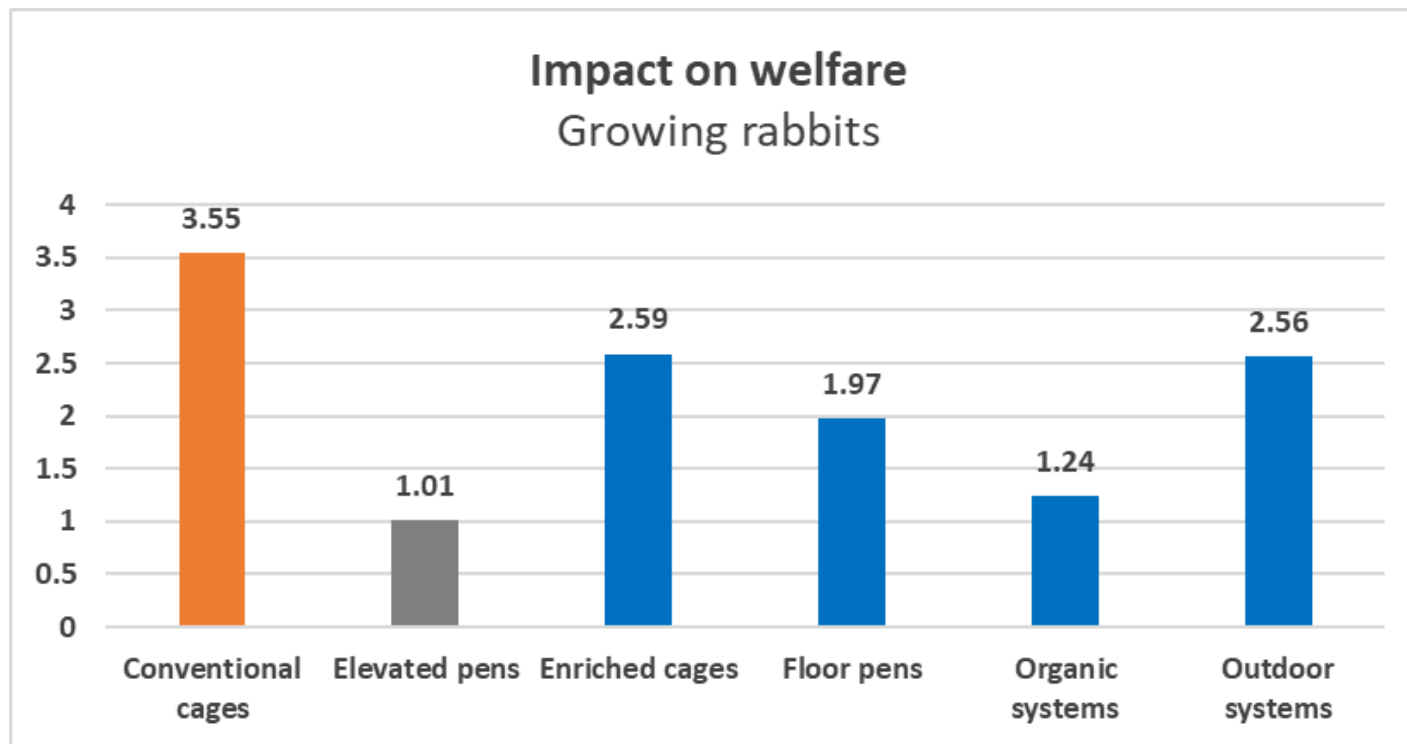
MAIN WELFARE CONSEQUENCES

CONVENTIONAL CAGES

- **Restriction of movement**
- Inability to express gnawing behaviour
- Resting problem
- **Inability to express positive social behaviour**
- Heat stress

RECOMMENDATIONS ABOUT CONVENTIONAL CAGES FOR DOES:

- Increase the size of the cages or add platforms that allow for efficient use of the cage (this means shift to enriched cages).
- Plastic foot mats to be provided; cage floors and plastic mats to be cleaned regularly.
- Thermal stress to be minimized by appropriate ventilation.
- Suitable gnawing materials (e.g. wooden sticks) to be supplied



CONCLUSION:

The welfare of GROWING RABBITS is lower in conventional cages, and higher in elevated pens.

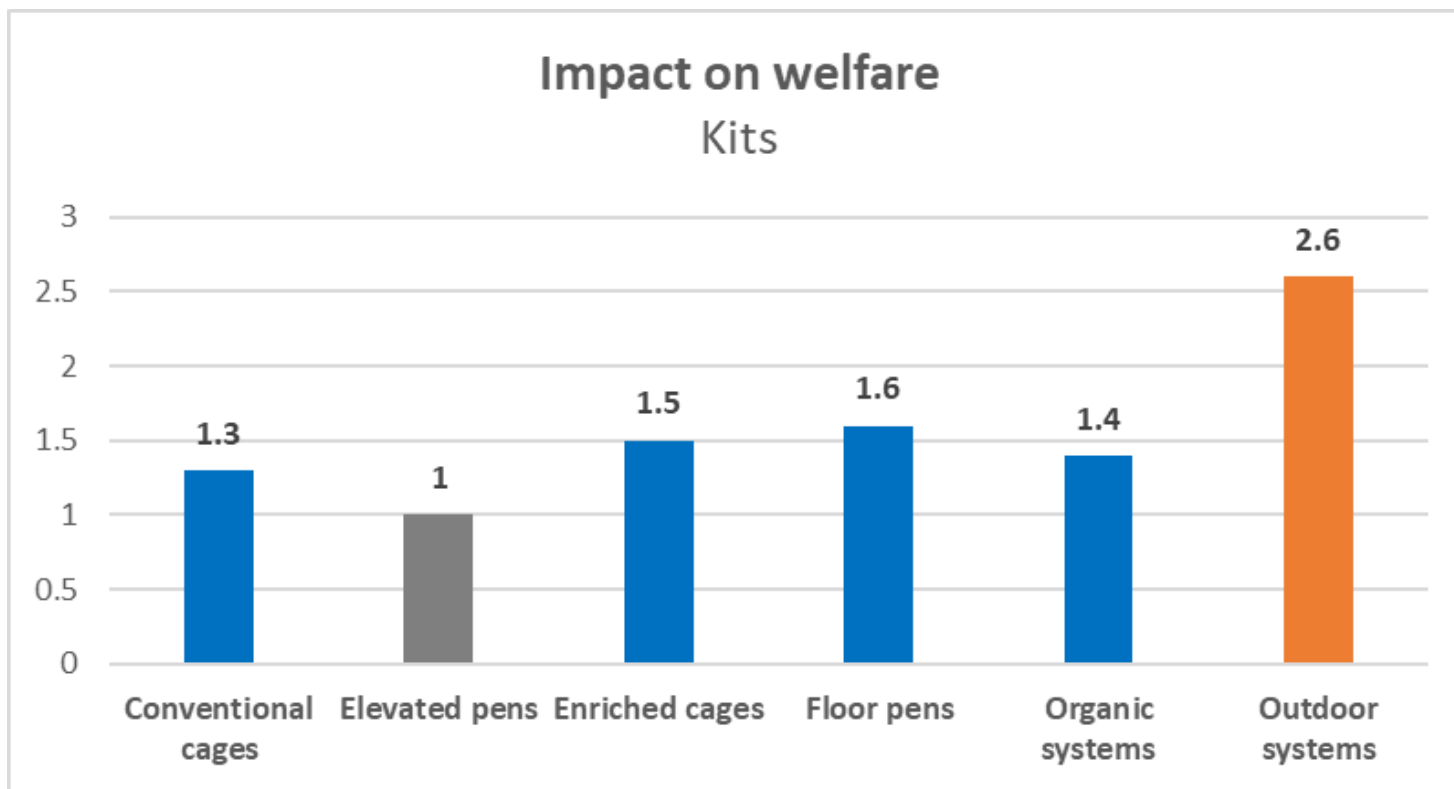
MAIN WELFARE CONSEQUENCES

CONVENTIONAL CAGES

- **Restriction of movement**
- Inability to express gnawing behaviour
- Resting problem
- **Inability to express positive social behaviour**
- Prolonged hunger

Recommendations about conventional cages for growing rabbits:

- Resting problems and restriction of movement to be prevented by reducing stocking density



CONCLUSION:

The welfare of kits is lower in outdoor systems and higher in the elevated pens.

MAIN WELFARE CONSEQUENCES

OUTDOOR SYSTEMS

- **Heat stress**
- Prolonged hunger
- Neonatal disorders
- **Cold stress**
- Gastrointestinal disorders

Recommendations about outdoor systems for kits

- For heat stress, use supplementary heaters or fans, apply correct management of the nest.
- Gastrointestinal disorders prevented by balanced diet and appropriate weaning age.



Main welfare consequences (does)

Restriction of movement (if limited access to outdoor)

Heat stress

Reproductive disorders

Resting Problem

Skin lesions

CONCLUSION

Diversity of systems (EC Regulation 848/2018): difficult to make an overall assessment

Welfare scores obtained from the experts suggest welfare is generally good

RECOMMENDATIONS

- Reduce restriction of movement by enlarging the sheltered part of the housing
- Reduce heat and cold stress by insulating shelters or adding shade in the outdoor area
- improving management of housing hygiene, feeding strategy and daily checking of the animals
- Minimise fear in growing rabbits by use of proper electrified fencing or net top protection against predators

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Back-up slides

MAIN WELFARE CONSEQUENCES

ELEVATED PENS

- **Skin disorders**
- Resting problem
- Inability to express gnawing behaviour
- Fear

Recommendations about elevated pens:

- Skin disorders are avoided by proper biosecurity, climate control and positioning of the drinkers so that wetting of the fur is prevented
- Gastrointestinal disorders minimized by balanced diet
- Fear reduced by avoiding rough handling

MAIN WELFARE CONSEQUENCES

ELEVATED PENS

- Inability to express gnawing behaviour
- Prolonged hunger
- Neonatal disorders
- Fear
- **Skin disorders**

Recommendations about elevated pens

- Provide suitable gnawing materials for kits
- Fearfulness reduced by avoiding rough handling and situations leading to aggression in does.
- Correct design of the nest box to only allow kits access to the main cage when sufficiently mature.