

Evaluation of biosecurity supporting measures

One of the tasks in the BIOSECURE project aims at mapping the use of various biosecurity supporting tools on pig, poultry and cattle farms across Europe and evaluating their effectiveness in longitudinal studies.

Biosecurity supporting measures or tools are specialised resources, equipment, and systems designed to assist in the implementation, management, and enforcement of biosecurity measures on farms by promoting adherence to established biosecurity protocols. The frequently used biosecurity supporting measures are various hygiene protocols established on farms, signalisation on the farm (clean/dirty areas, routes to follow, etc.), training of all staff on a regular basis, management checklists, advisory/coaching sessions for farm personnel, various sensors (e.g. movement tracking, cameras), hygiene measurement tools (microbial plate scoring, ATP-metry, fluorescence markers), regular inspection of all farm infrastructure and farm biosecurity checks (by third party).

The studies will provide information on the use of biosecurity supporting measures on farms as well as on perceptions of farmers regarding feasibility of implementation and usefulness of different measures.

The results of these studies could guide farmers about which measures or approaches could be used to achieve progress in areas requiring improvement or interventions on their farms based on experience of their peers, but also might encourage farmers to implement novel approaches utilising the latest achievements of social sciences related to motivating people to change their behaviour.



The results of these studies provide guidance for farmers and their advisors

- which measures or approaches to be used to achieve progress in areas requiring improvement or interventions in farm biosecurity
- how to motivate people to change their behaviour

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