BioSecure
Enhanced and cost-effective biosecurity in livestock production

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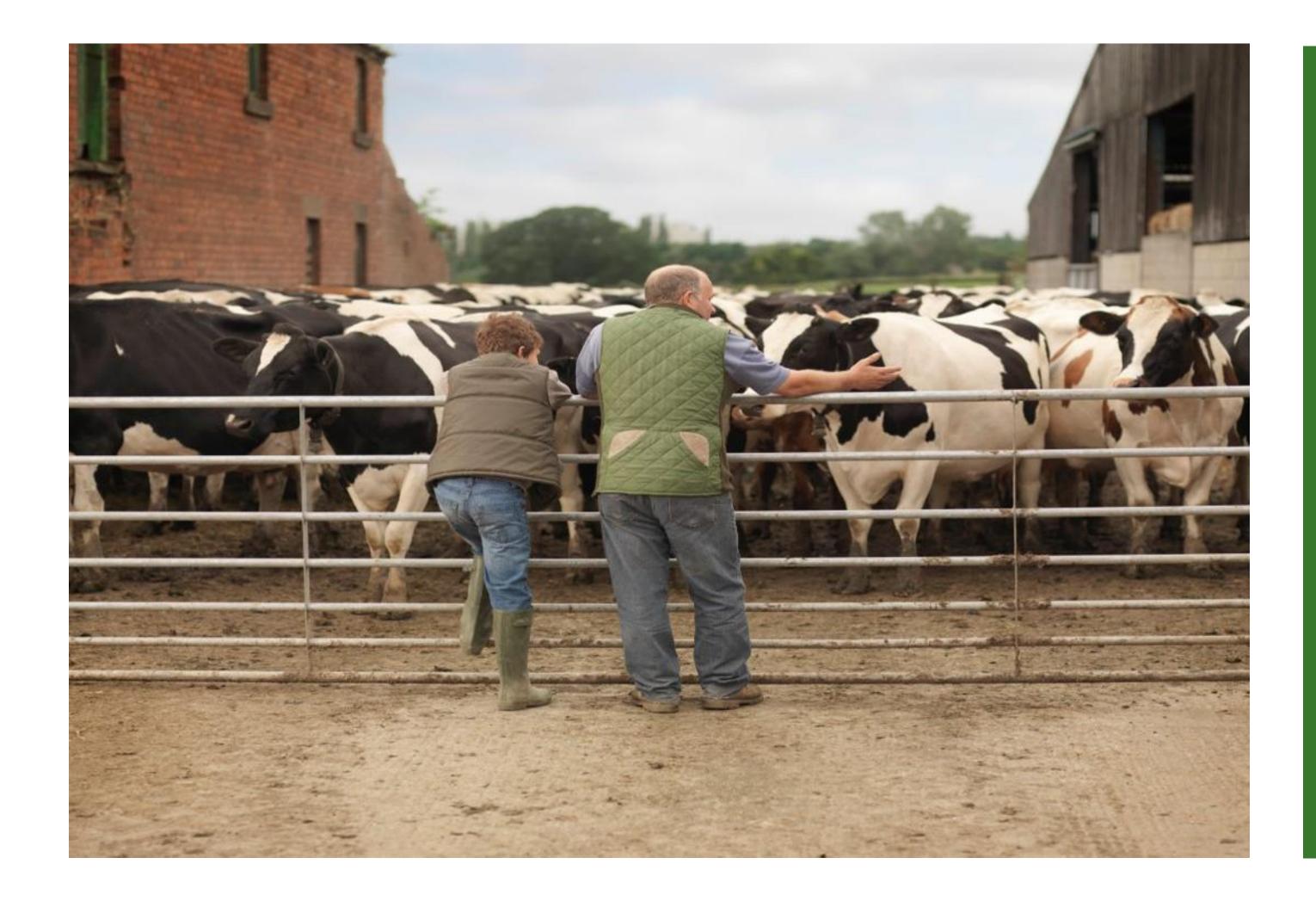PRACTICE ABSTRACT # 20

Validation of biosecurity tools

One of the tasks in the BIOSECURE project focuses on identifying and visualising risks of introduction and spread of infectious agents in intensive and extensive pig, poultry and cattle farms.

The tools used for these purposes are based on electronic monitoring of movements inside or outside the farm (cameras, tag trackers and GPS), fluorescent markers for tracing movements of people and wildlife and the measuring of microbial contamination on vehicles and humans entering the farm.

The results obtained in these approaches will be compared to the Biocheck.UGent results in the same farms to assess applicability, adding value to the Biocheck.UGent tool and the ability to identify additional risk factors.

The studies will provide information on knowledge gaps related to effectiveness of biosecurity barriers and practices applied on farms.

The tools and assessment protocols validated in these studied could be used by farmers to monitor performance of their biosecurity practices and barriers.

The tools and assessment protocols validated in these studied could be used by farmers

- to monitor performance of their biosecurity practices and barriers

- identify weaknesses and assess the effectiveness of corrective measures

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