

Biosecurity scoring of Irish farms using the Biocheck system

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Introduction

Biosecurity is a must to optimize performance

External: avoiding the entrance of new diseases for outside the farm

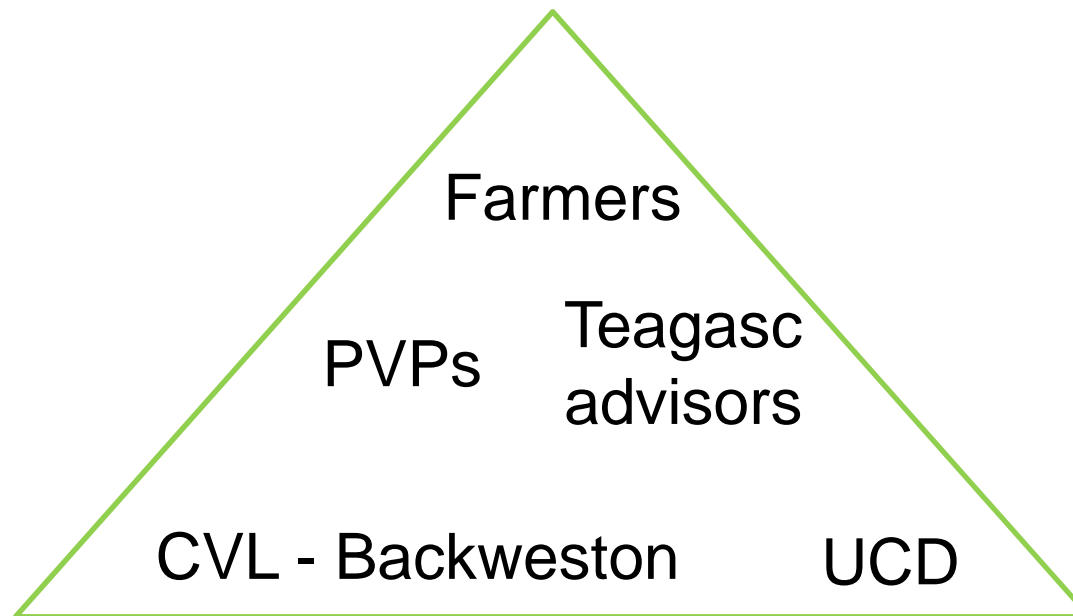


Internal: avoiding the spread and recirculation of diseases within the different stages of the farm



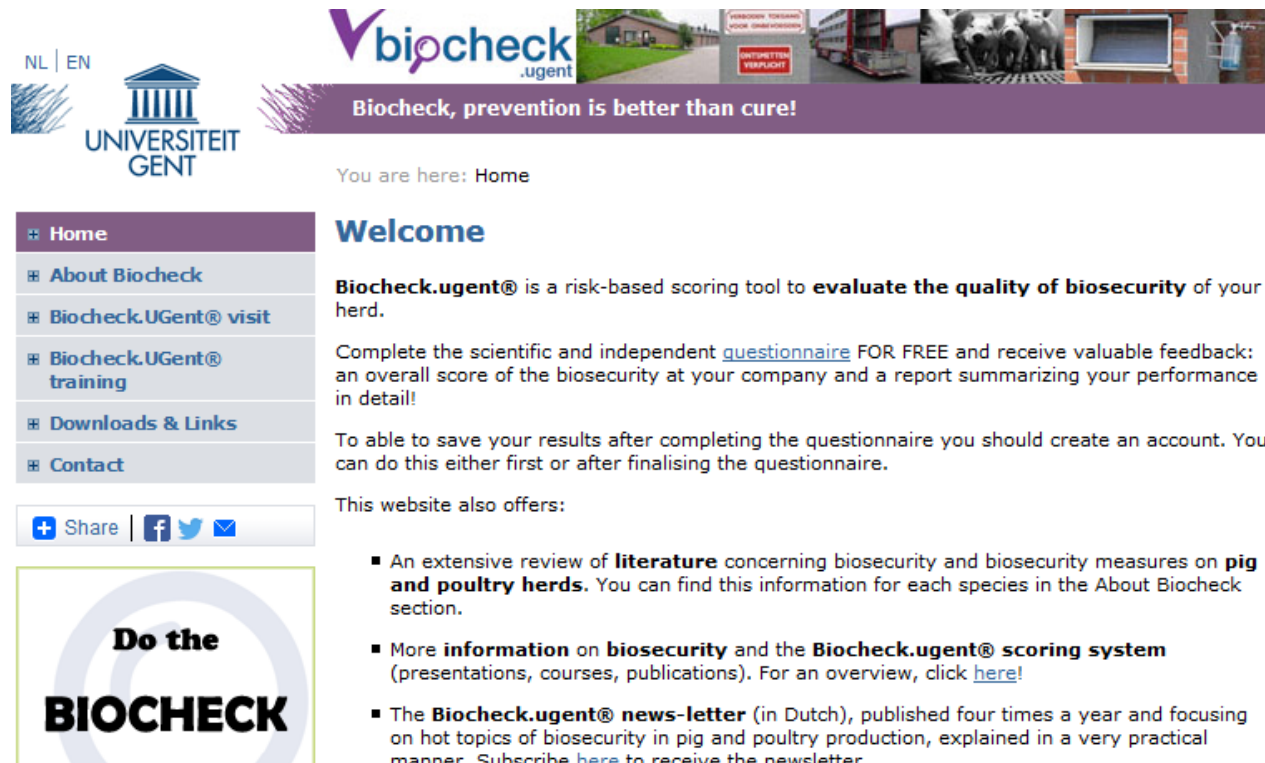
Biosecurity group Ireland

The different actors in animal health in Ireland have created a group on biosecurity and one of the first actions is using the biocheck questionnaire in Irish farms



What is Biocheck?

Biocheck is a web-based tool that evaluates the quality of biosecurity of your herd



The screenshot shows the homepage of the Biocheck.ugent website. At the top left, there are language options for NL and EN, and the logo for Universiteit Gent. The main header features the Biocheck.ugent logo and a banner with the slogan "Biocheck, prevention is better than cure!" accompanied by images of a farm, a truck, and a pig. Below the header, a breadcrumb trail indicates "You are here: Home". A navigation menu on the left lists: Home, About Biocheck, Biocheck.UGent@ visit, Biocheck.UGent@ training, Downloads & Links, and Contact. A social media sharing bar is present below the menu. The main content area starts with a "Welcome" section, followed by a paragraph explaining that Biocheck.ugent® is a risk-based scoring tool to evaluate the quality of biosecurity. It then offers a free questionnaire and a detailed report. A section titled "This website also offers:" lists three items: literature on pig and poultry herds, information on biosecurity and the scoring system, and the Biocheck.ugent® news-letter. A large graphic on the left side of the page says "Do the BIOCHECK".

NL | EN
UNIVERSITEIT GENT

biocheck.ugent
Biocheck, prevention is better than cure!

You are here: Home

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+ Share | f t e

Do the BIOCHECK

Welcome

Biocheck.ugent® is a risk-based scoring tool to **evaluate the quality of biosecurity** of your herd.

Complete the scientific and independent [questionnaire](#) FOR FREE and receive valuable feedback: an overall score of the biosecurity at your company and a report summarizing your performance in detail!

To able to save your results after completing the questionnaire you should create an account. You can do this either first or after finalising the questionnaire.

This website also offers:

- An extensive review of **literature** concerning biosecurity and biosecurity measures on **pig and poultry herds**. You can find this information for each species in the About Biocheck section.
- More **information** on **biosecurity** and the **Biocheck.ugent® scoring system** (presentations, courses, publications). For an overview, click [here!](#)
- The **Biocheck.ugent® news-letter** (in Dutch), published four times a year and focusing on hot topics of biosecurity in pig and poultry production, explained in a very practical manner. [Subscribe here](#) to receive the newsletter.

How does it work?



UNIVERSITEIT GENT
FACULTEIT BIOSCIËNCE ENGINEERING
Vakgroep Landbouwkunde en Biofysica
 Prof. dr. ir. Bert De Boer
 Prof. dr. ir. Geert Van Bocklandt
 Prof. dr. ir. Jozef Van Damme

Deel 1: Inleiding

Deze versie van de rapportage is bedoeld voor de landbouwer van de boerderij. Het doel van de rapportage is om de landbouwer te helpen bij het nemen van beslissingen op basis van de gegevens die in de rapportage zijn opgenomen. Het is belangrijk dat de landbouwer de rapportage aandachtig leest en de aanbevelingen daarin opvolgt. Het is ook belangrijk dat de landbouwer de rapportage regelmatig controleert en de aanbevelingen daarin opvolgt.

1st Visit to the farm
Questionnaire

Introduction of the data
Report

2nd Visit to the farm
Discussion of the report

Monitoring

Actions taken by the farmer



Score interne bereikbaarheid

Beschrijving	Score	Gem.
Beleidskader	20%	60%
Organisatie en structuren	25%	55%
Beleidskader	60%	30%
Organisatie en structuren	55%	50%
Beleidskader	30%	60%

Subtotaal interne bereikbaarheid: 42% (gemiddelde = 43%)

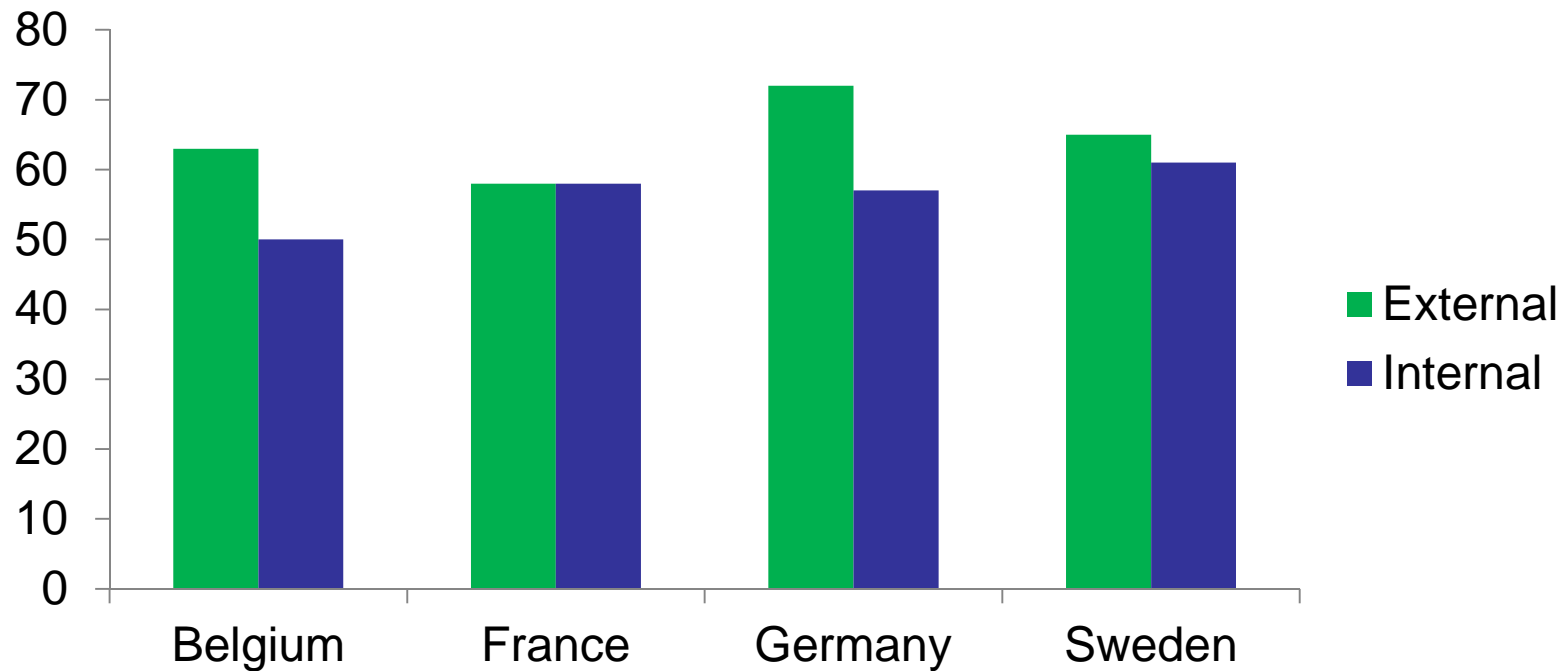
Soort	Ziekteverwekkers
Personen	Salmonella, E. coli, Listeria, Campylobacter, Shigella, Yersinia, Klebsiella, Staphylococcus aureus, Pseudomonas aeruginosa, Mycobacterium tuberculosis, Mycobacterium avium, Mycobacterium paratuberculosis, Mycobacterium neoaurum, Mycobacterium goodii, Mycobacterium abscessus, Mycobacterium fortuitum, Mycobacterium chelonae, Mycobacterium cosmeticum, Mycobacterium neoaurum, Mycobacterium goodii, Mycobacterium abscessus, Mycobacterium fortuitum, Mycobacterium chelonae, Mycobacterium cosmeticum
Spoeltijl	Aspergillus, Penicillium, Claviceps, Fusarium, Alternaria, Botrytis, Rhizopus, Mucor, Mortierella, Neurospora, Trichoderma, Chaetomium, Lecanora, Xanthoparmelia, Parmelia, Cladonia, Lecanora, Xanthoparmelia, Parmelia, Cladonia
Andere zoogdieren/vogels	Salmonella, E. coli, Listeria, Campylobacter, Shigella, Yersinia, Klebsiella, Staphylococcus aureus, Pseudomonas aeruginosa, Mycobacterium tuberculosis, Mycobacterium avium, Mycobacterium paratuberculosis, Mycobacterium neoaurum, Mycobacterium goodii, Mycobacterium abscessus, Mycobacterium fortuitum, Mycobacterium chelonae, Mycobacterium cosmeticum
Vruchtlevens	Aspergillus, Penicillium, Claviceps, Fusarium, Alternaria, Botrytis, Rhizopus, Mucor, Mortierella, Neurospora, Trichoderma, Chaetomium, Lecanora, Xanthoparmelia, Parmelia, Cladonia, Lecanora, Xanthoparmelia, Parmelia, Cladonia
Plantent	Aspergillus, Penicillium, Claviceps, Fusarium, Alternaria, Botrytis, Rhizopus, Mucor, Mortierella, Neurospora, Trichoderma, Chaetomium, Lecanora, Xanthoparmelia, Parmelia, Cladonia, Lecanora, Xanthoparmelia, Parmelia, Cladonia
Water	Salmonella, E. coli, Listeria, Campylobacter, Shigella, Yersinia, Klebsiella, Staphylococcus aureus, Pseudomonas aeruginosa, Mycobacterium tuberculosis, Mycobacterium avium, Mycobacterium paratuberculosis, Mycobacterium neoaurum, Mycobacterium goodii, Mycobacterium abscessus, Mycobacterium fortuitum, Mycobacterium chelonae, Mycobacterium cosmeticum
Eigenaardenaal/materiaal	Salmonella, E. coli, Listeria, Campylobacter, Shigella, Yersinia, Klebsiella, Staphylococcus aureus, Pseudomonas aeruginosa, Mycobacterium tuberculosis, Mycobacterium avium, Mycobacterium paratuberculosis, Mycobacterium neoaurum, Mycobacterium goodii, Mycobacterium abscessus, Mycobacterium fortuitum, Mycobacterium chelonae, Mycobacterium cosmeticum



The Irish Agriculture and Food Development Authority

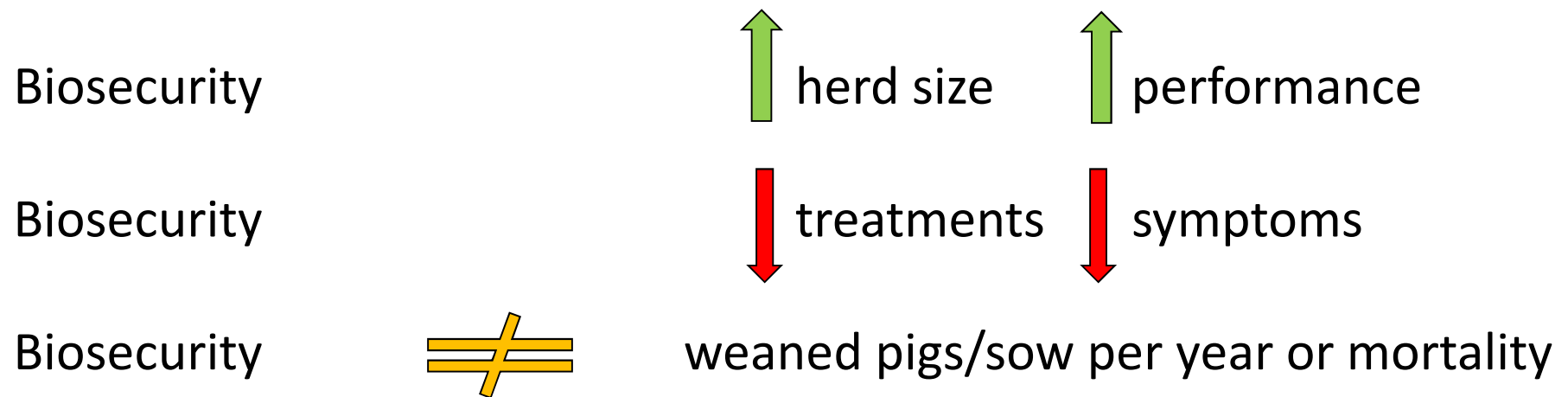
Results for different countries

The questionnaire allows to compare the biosecurity levels in different countries



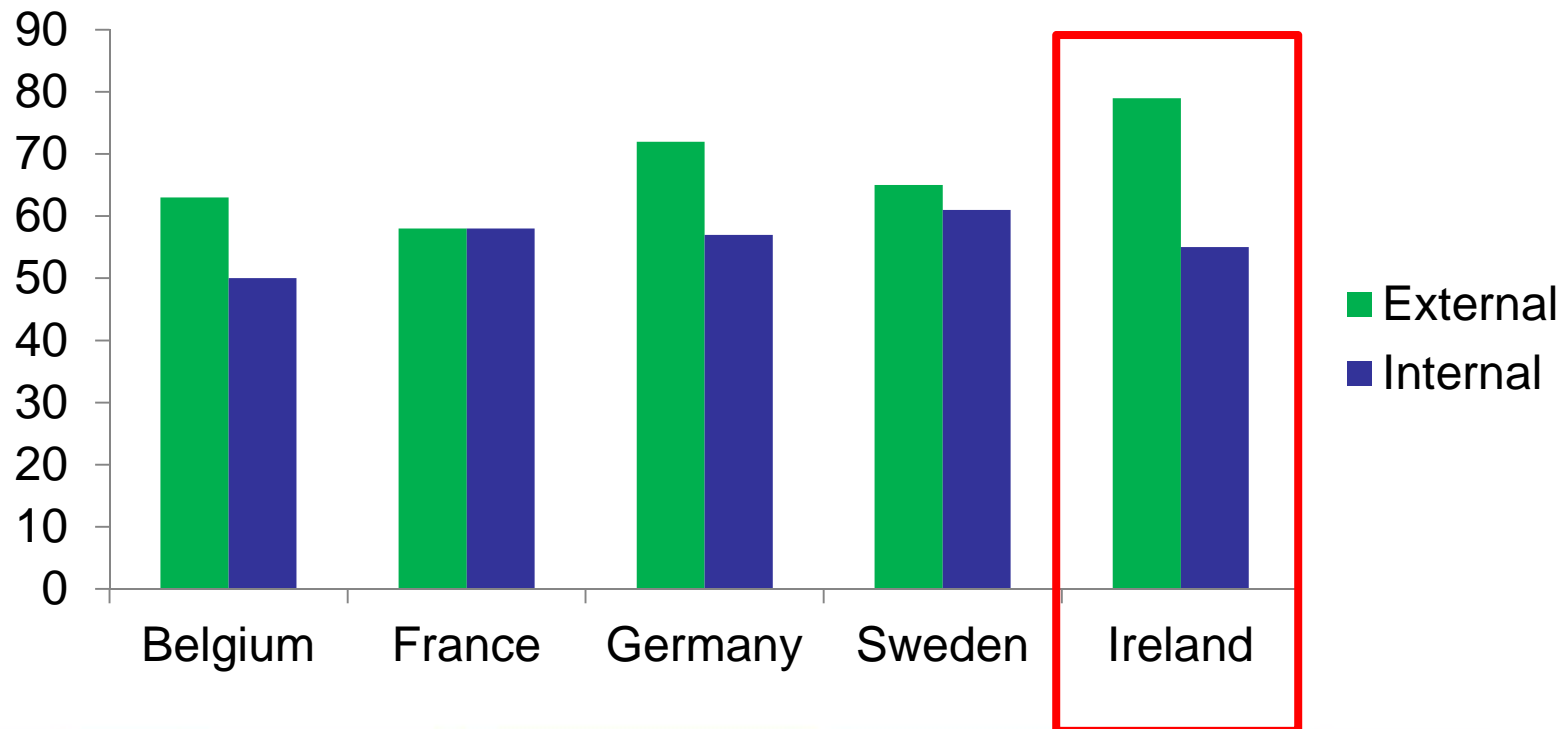
Conclusions so far - EU

There is room for improvement!!!

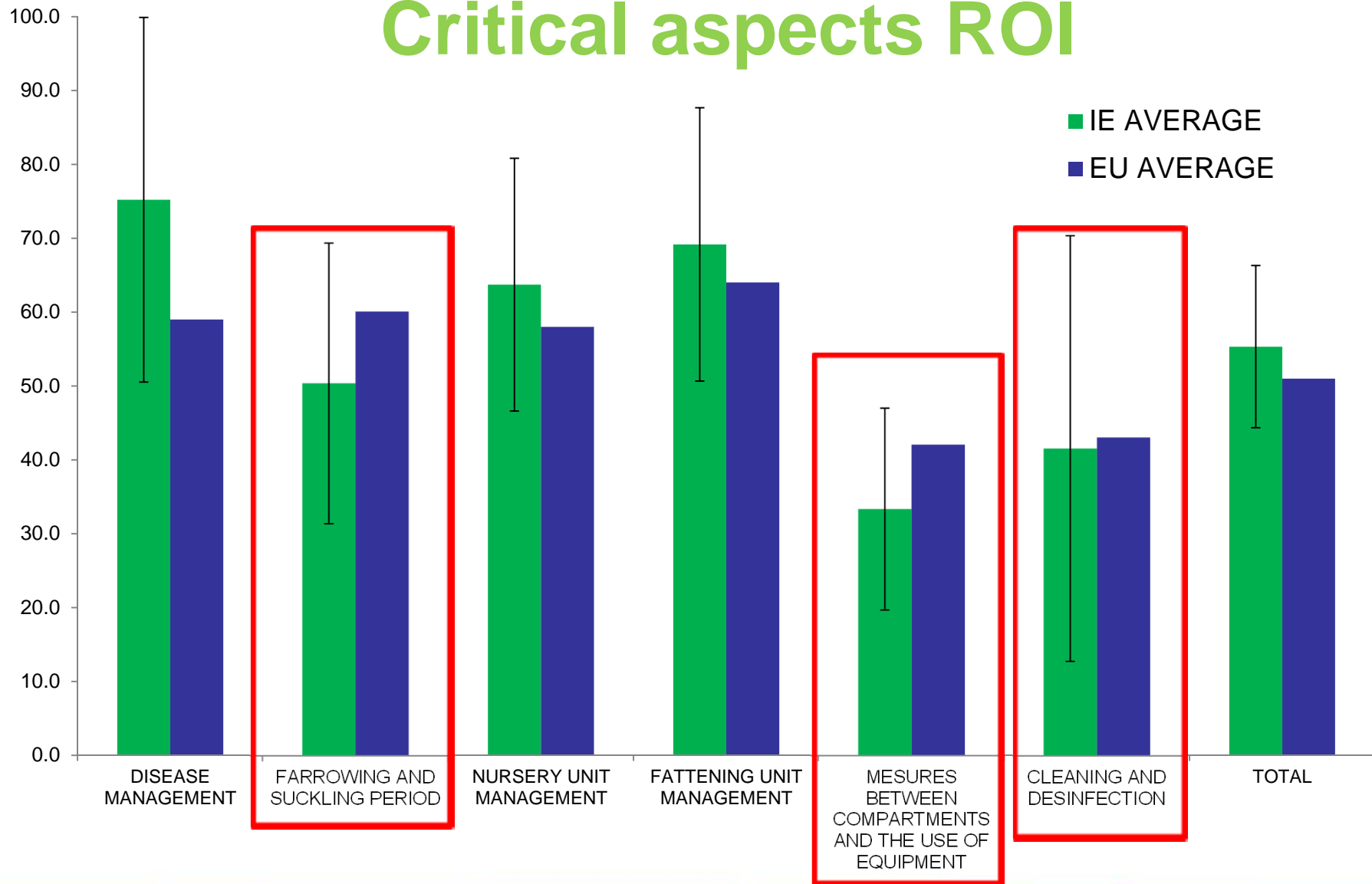


Results so far – Ireland (30 farms)

Good situation in external biosecurity but poor in internal biosecurity



Critical aspects ROI



Going forward

- Complete 60 farms and publish national report
- Discuss reports with farmers who are interested
- Future actions at a national or herd level

Thanks for your attention

