



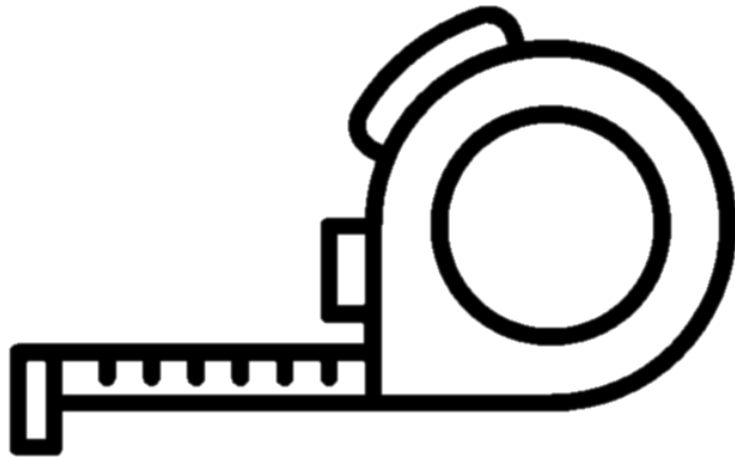
BIOCHECK.UGENT

Dr. Nele Caekebeke

WHY WAS BIOCHECK.UGENT CREATED?

No general protocol suitable for every farm

No tool available to measure biosecurity in the past

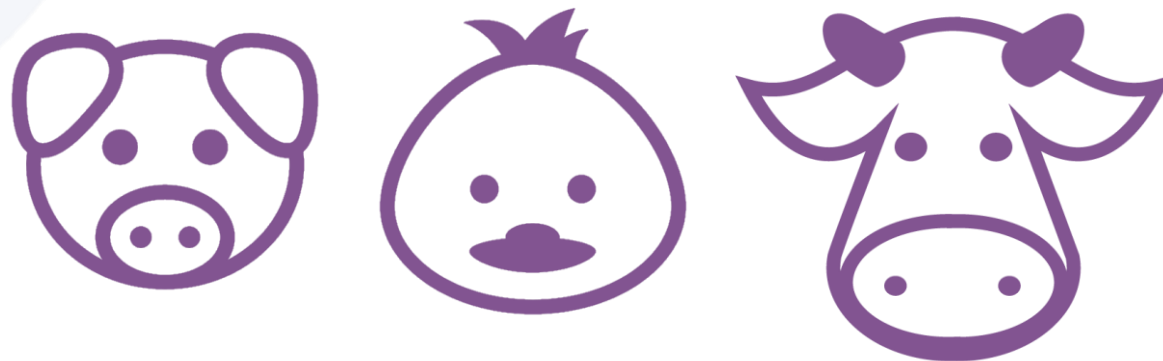


WHY WAS BIOCHECK.UGENT CREATED?

→ Biosecurity scoring system

Different animal species, different languages

Free online application: www.biocheck.ugent.be



BIOCHECK.UGENT

Over 30,000 entries worldwide



Largest database on biosecurity in animal production



23738



4505



2521

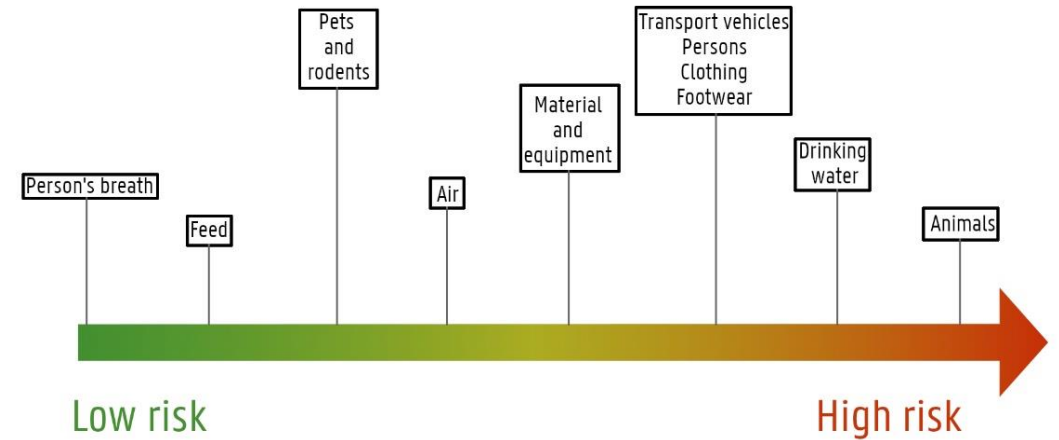
Quantification of biosecurity status on farm level

- Comparing scores between different herds
- Comparing scores between different countries
- Comparing scores in time
- Taking different risks into account

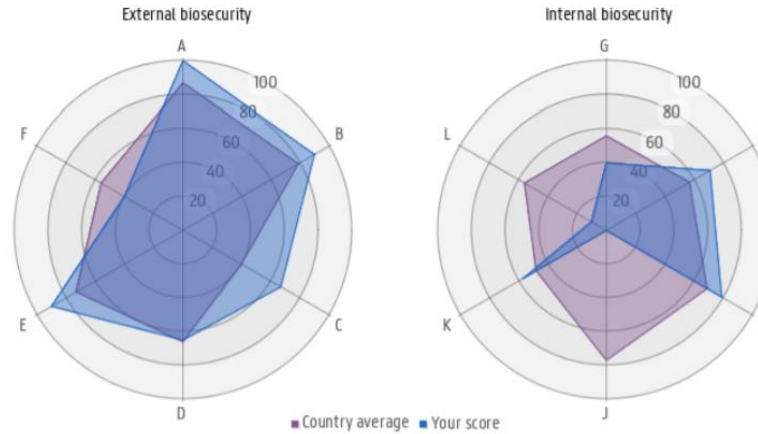
Risk-based scoring system

Weighted scores

- Based on scientific research
- Risk for transmission: direct vs. indirect contact



BIOCHECK.UGENT



Subcategory	Your score	Country average	World average
External biosecurity			
A. Purchase of breeding pigs, piglets and semen	100 %	87 %	89 %
B. Transport of animals, removal of carcasses and manure	90 %	79 %	72 %
C. Feed, water and equipment supply	67 %	40 %	50 %
D. Visitors and farmworkers	65 %	66 %	69 %
E. Vermin and bird control	90 %	73 %	67 %
F. Location of the farm	40 %	56 %	70 %
Subtotal External biosecurity	80 %	70 %	72 %
Internal biosecurity			
G. Disease management	40 %	56 %	66 %
H. Farrowing and suckling period	71 %	57 %	53 %
I. Nursery unit	79 %	69 %	65 %

User input

Comparative scoring

Feedback & coaching

External and internal biosecurity

Different subcategories

Multiple questions per subcategory

A. Purchase

1. What is the duration of one production cycle (including the empty period) on your farm (in months)? *(required)*

..... months

2. What is the maximum duration between the start and finalisation of filling one stable for one production cycle in weeks? *(required)*

One stable is equal to one compartment in which the animals can't come into contact with animals from another compartment.

..... weeks

3. How many transports does it take on average to fill one compartment for one production cycle? *(required)*

One compartment is equal to one unit in which the animals can't come into contact with animals from another compartment.

..... transports

4. Are your cattle always bought from the same original source (during the past 2 years)? *(required)*

The same original source: the same farm of origin, where the cattle are born.

Select one option.

- Yes
- No, I buy from the veal company, salesman or on the market
- No, I buy from multiple sources

REPORT

Score subcategory

Score external/internal biosecurity

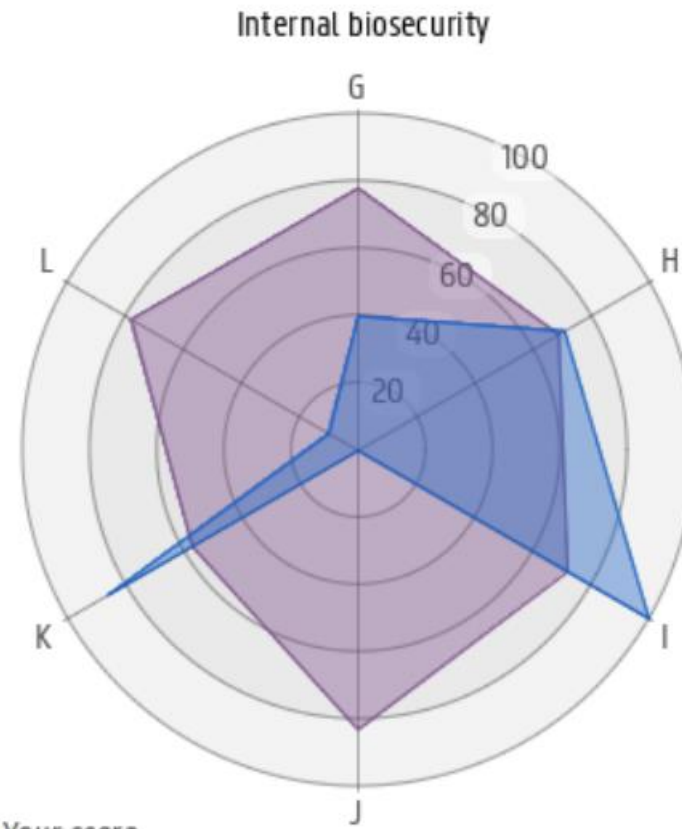
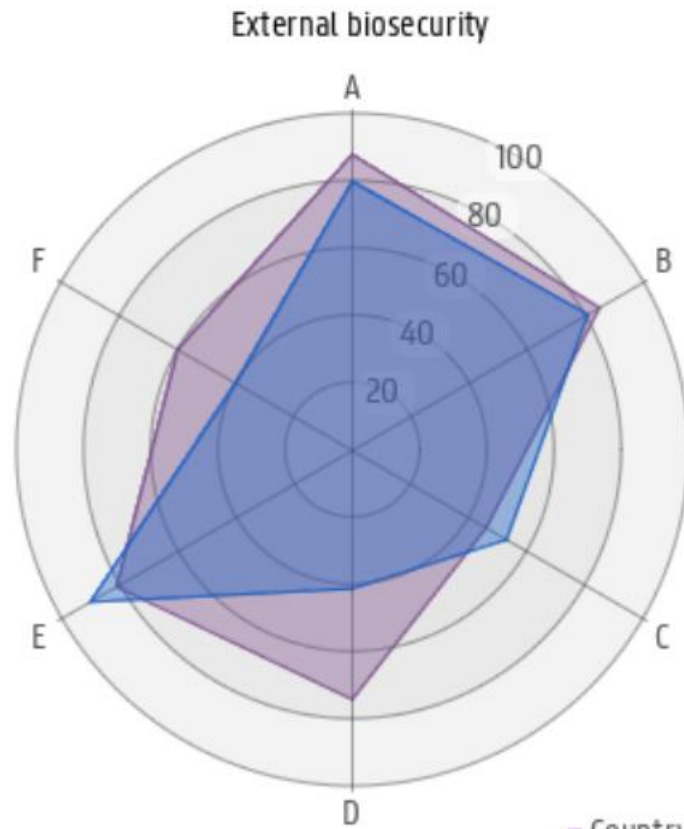
Overall biosecurity score

Country and worldwide averages

Subcategory	Your score	Country average	World average
External biosecurity			
A. Purchase of breeding pigs, piglets and semen	80 %	88 %	89 %
B. Transport of animals, removal of carcasses and manure	81 %	85 %	80 %
C. Feed, water and equipment supply	53 %	46 %	49 %
D. Visitors and farmworkers	41 %	74 %	73 %
E. Vermin and bird control	90 %	81 %	77 %
F. Location of the farm	40 %	60 %	65 %
Subtotal External biosecurity	67 %	75 %	75 %
Internal biosecurity			
G. Disease management	40 %	78 %	75 %

Subcategory	Your score	Country average	World average				
External biosecurity				Internal biosecurity			
A. Purchase of breeding pigs, piglets and semen	80 %	88 %	89 %	G. Disease management	40 %	78 %	75 %
B. Transport of animals, removal of carcasses and manure	81 %	85 %	80 %	H. Farrowing and suckling period	71 %	69 %	61 %
C. Feed, water and equipment supply	53 %	46 %	49 %	I. Nursery unit	100 %	72 %	69 %
D. Visitors and farmworkers	41 %	74 %	73 %	J. Finishing unit	n.v.t.	83 %	78 %
E. Vermin and bird control	90 %	81 %	77 %	K. Measures between compartments, working lines and use of equipment	86 %	57 %	55 %
F. Location of the farm	40 %	60 %	65 %	L. Cleaning and disinfection	10 %	78 %	73 %
Subtotal External biosecurity	67 %	75 %	75 %	Subtotal Internal biosecurity	63 %	71 %	67 %
				Total	65 %	73 %	71 %

REPORT



■ Country average ■ Your score

ADVANTAGES BIOCHECK.UGENT

Scoring system → efficient tool to quantify the biosecurity level on livestock farms

Elucidates strong and weak points of the farm

Helps to set priorities for improving and monitoring biosecurity status

HOW TO USE?

1. Make appointment
2. Do a farm visit
3. Go through the survey (paper)
4. Fill in the online version at home
5. Generate advice
6. Follow-up visit

CHECK – IMPROVE – REDUCE

Thorough evaluation of the farm

Tailored advise

Write down your biosecurity plan

Set goals (long and short term)

Follow-up and feedback





Training



Consulting



Connect



Professional



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