

Insights into Mastitis Management:

Unveiling the Drivers and Goals Behind Swedish Dairy Farmers and Veterinarians Decision-Making

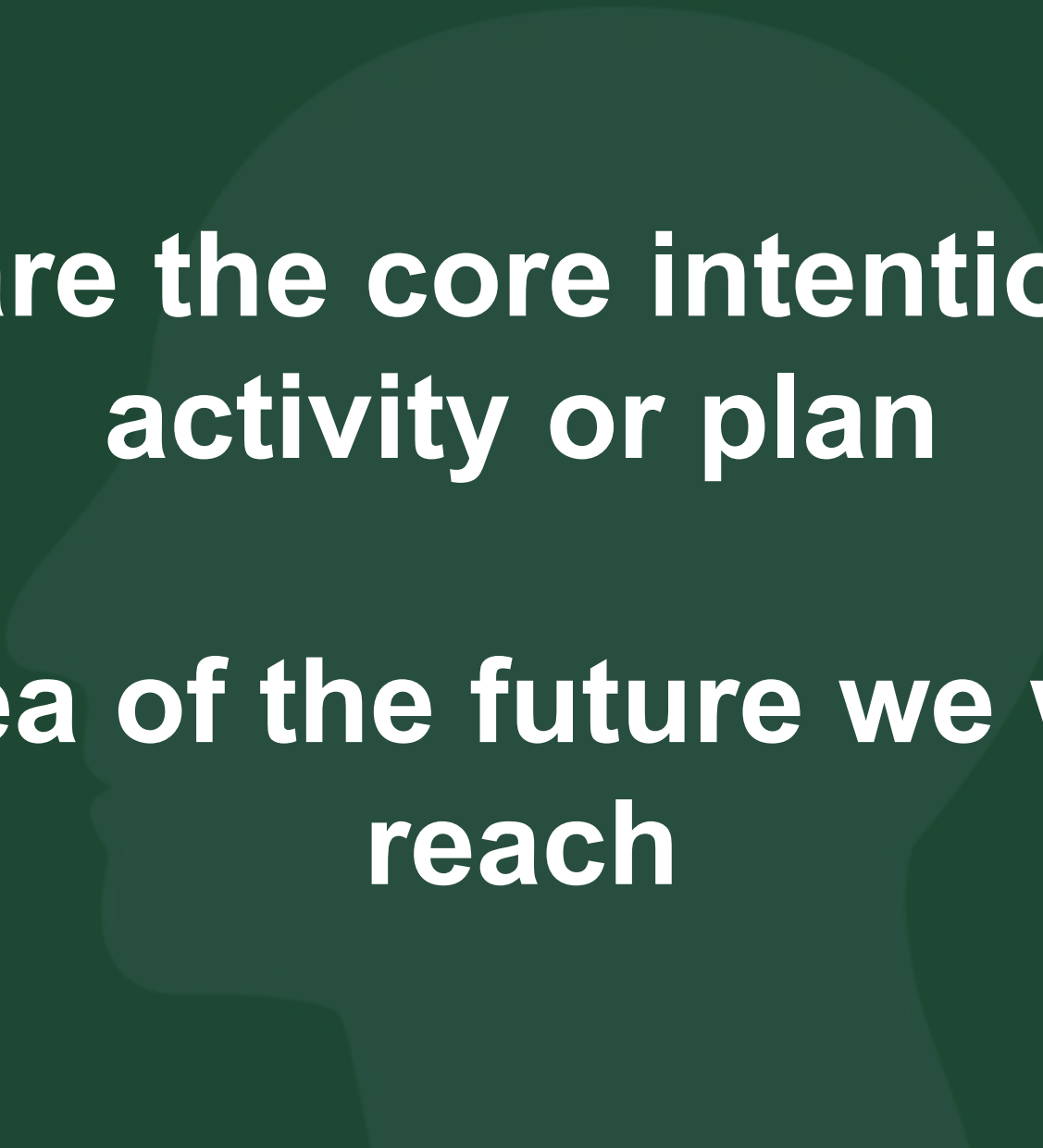
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Project funded by:

FORMAS The FORMAS logo consists of the word 'FORMAS' in a bold, black, sans-serif font, followed by a graphic of five colored dots (yellow, red, blue, green, and orange) arranged in a slightly curved pattern.



**Goals are the core intention of an
activity or plan**

**The idea of the future we want to
reach**

Mental Maps:

**What drives farmers and
veterinarians when they make up
their mind of which preventive
measures to use?**

Laddering Technique

"Why is that important to you?"

"Why is that important to you?"

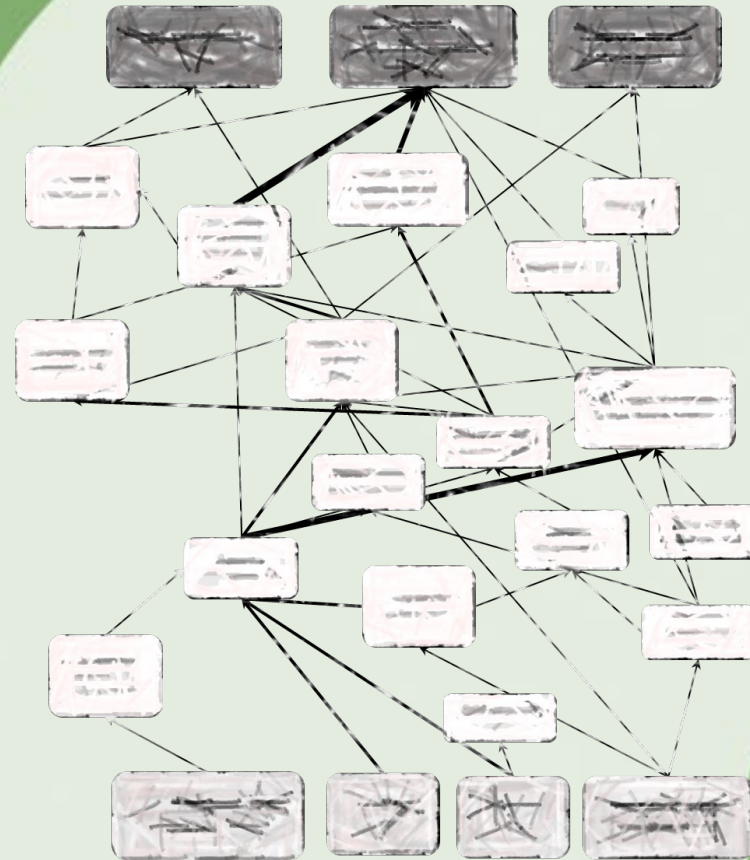
"Why is that important to you?"

"Why is that important to you?"

"Why is that important to you?"



Means-End chain





Picture: AI generated using iStock

Attributes

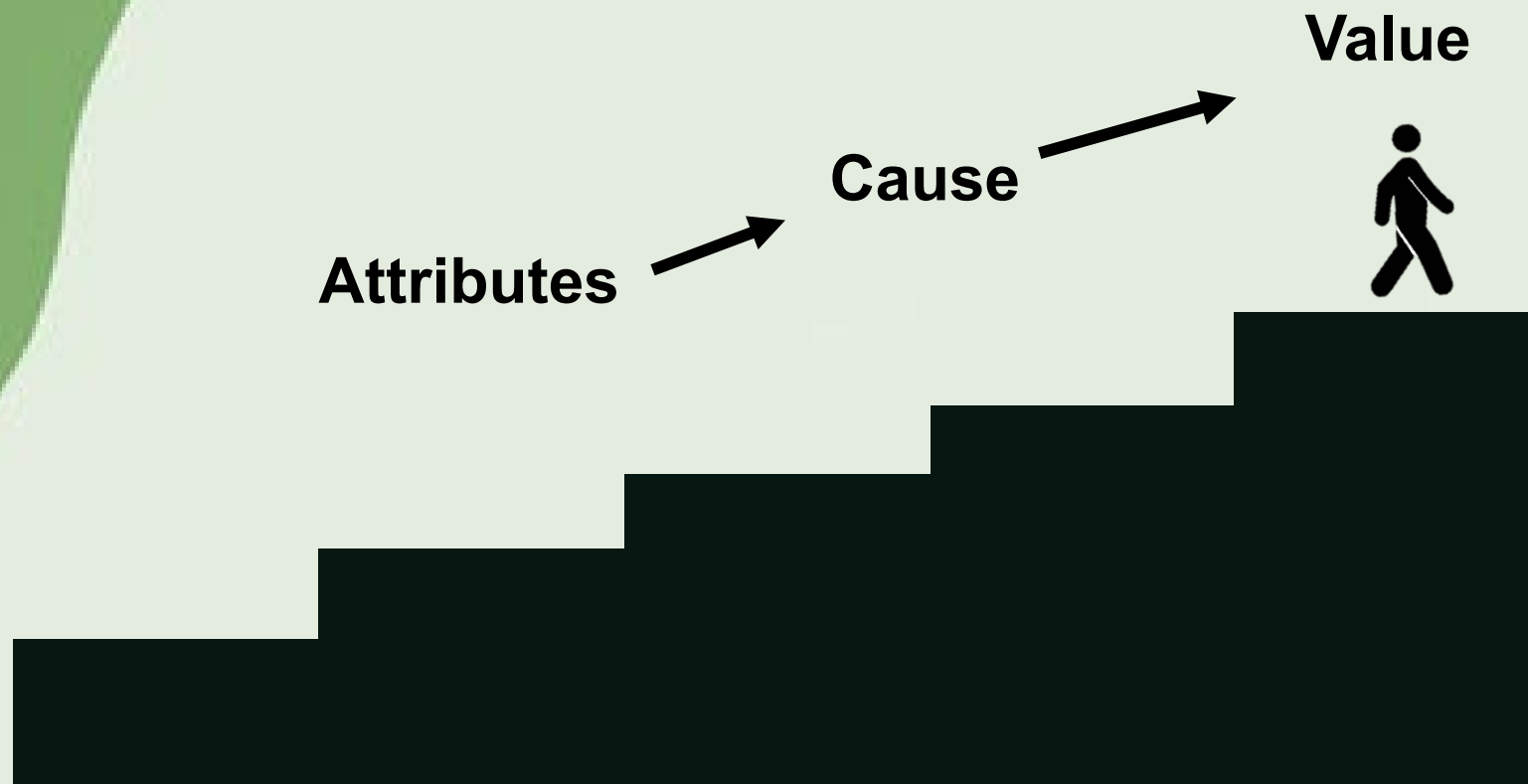


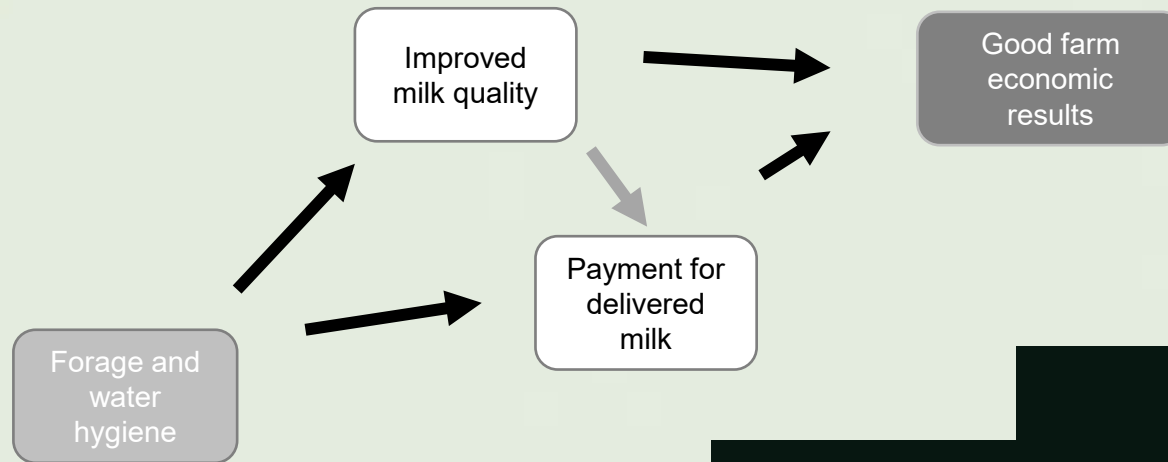
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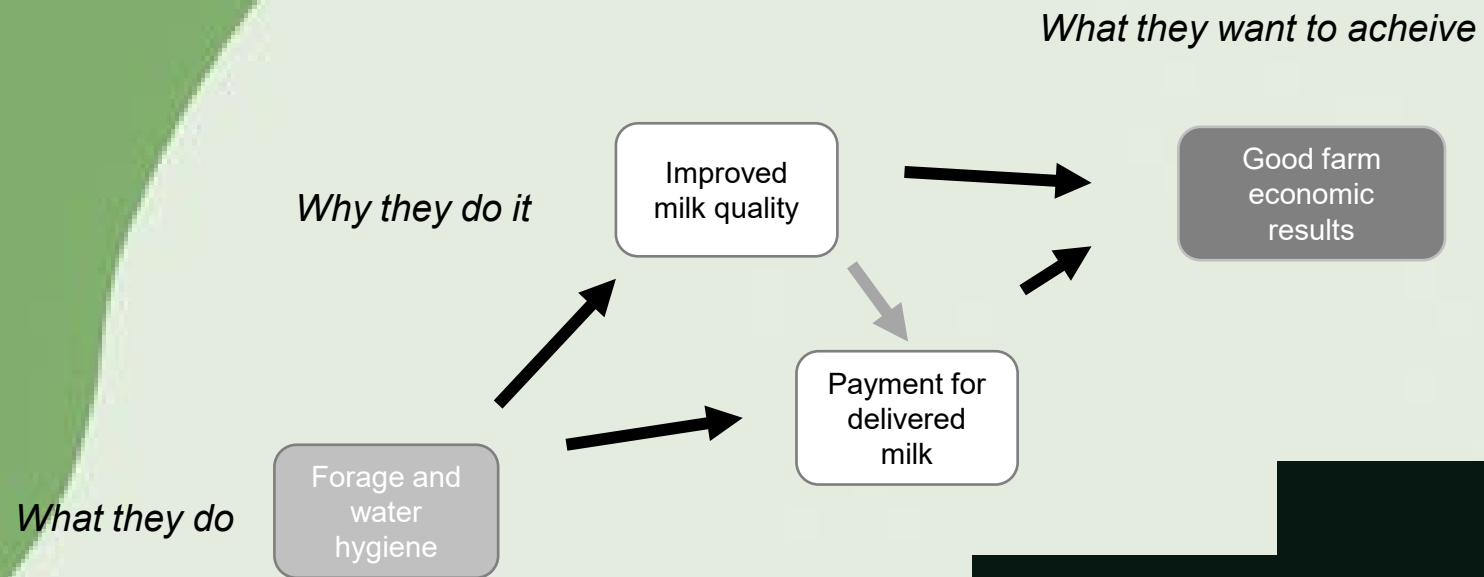


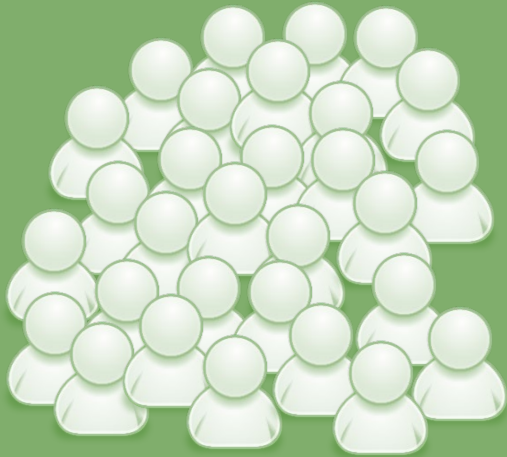
Cause











30 Swedish dairy farmers



27 cattle veterinarians

Scenario 1



Scenario 2



Scenario 3



Scenario 1

BMSCC increased to a level
that you find unacceptably high

What measures would you
implement/recommend?

Scenario 1



Scenario 2



Scenario 3



Scenario 2

Despite (your) efforts the
BMSCC remain at level that
you find unacceptably high

Which further measures would
you implement/recommend?

Scenario 1



Scenario 2



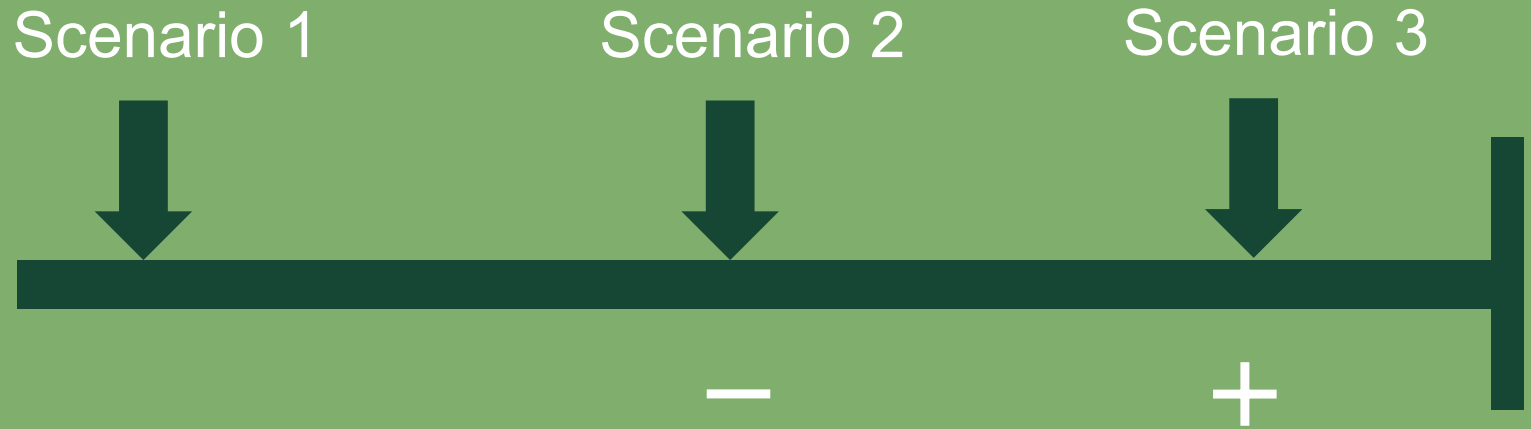
Scenario 3



Scenario 3

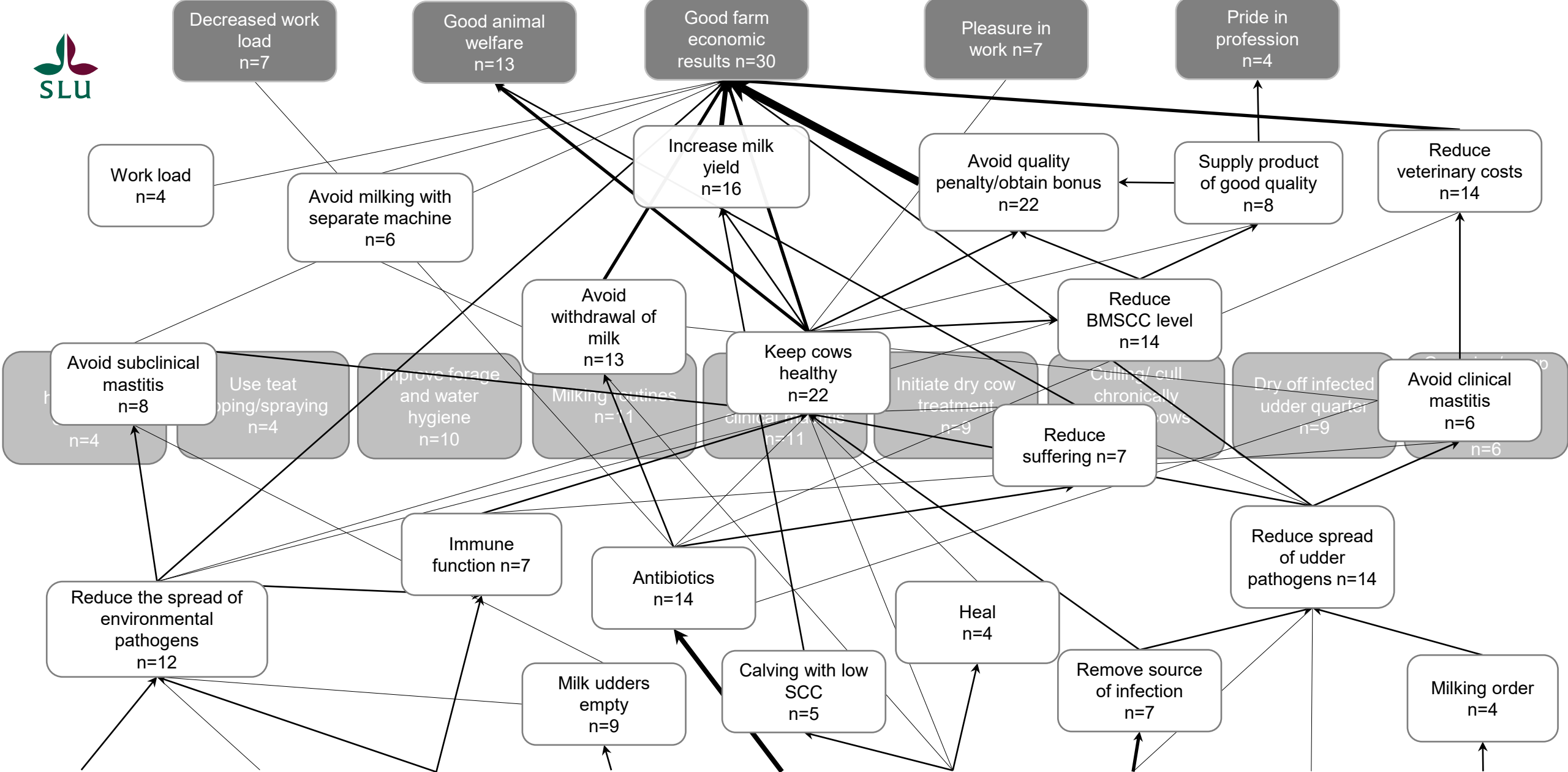
You have now observed a reduction in BMSCC from the previously unacceptable level.

At this point, which further measures will you add or withdraw/stop implementing?



Scenario 1 - Farmers





Scenario 1 - veterinarians



Improve
hygiene in
cubicles
n=4

Use teat
dipping/spraying
n=4

Improve forage
and water
hygiene
n=10

Milking routines
n=11

Initiate
treatment of
clinical mastitis
n=11

Initiate dry cow
treatment
n=9

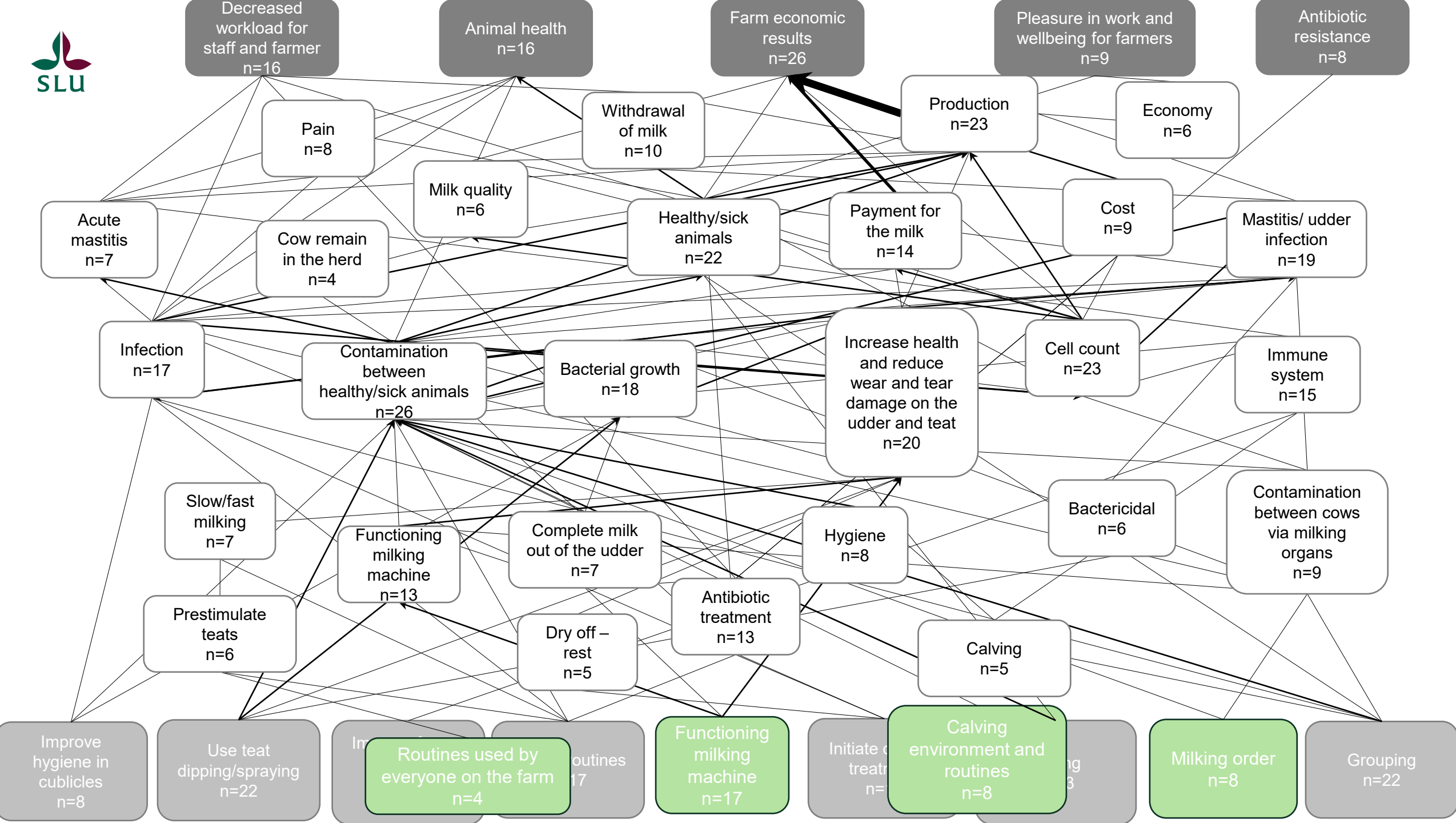
Culling/ cull
chronically
infected cows
n=13

Dry off infected
udder quarter
n=9

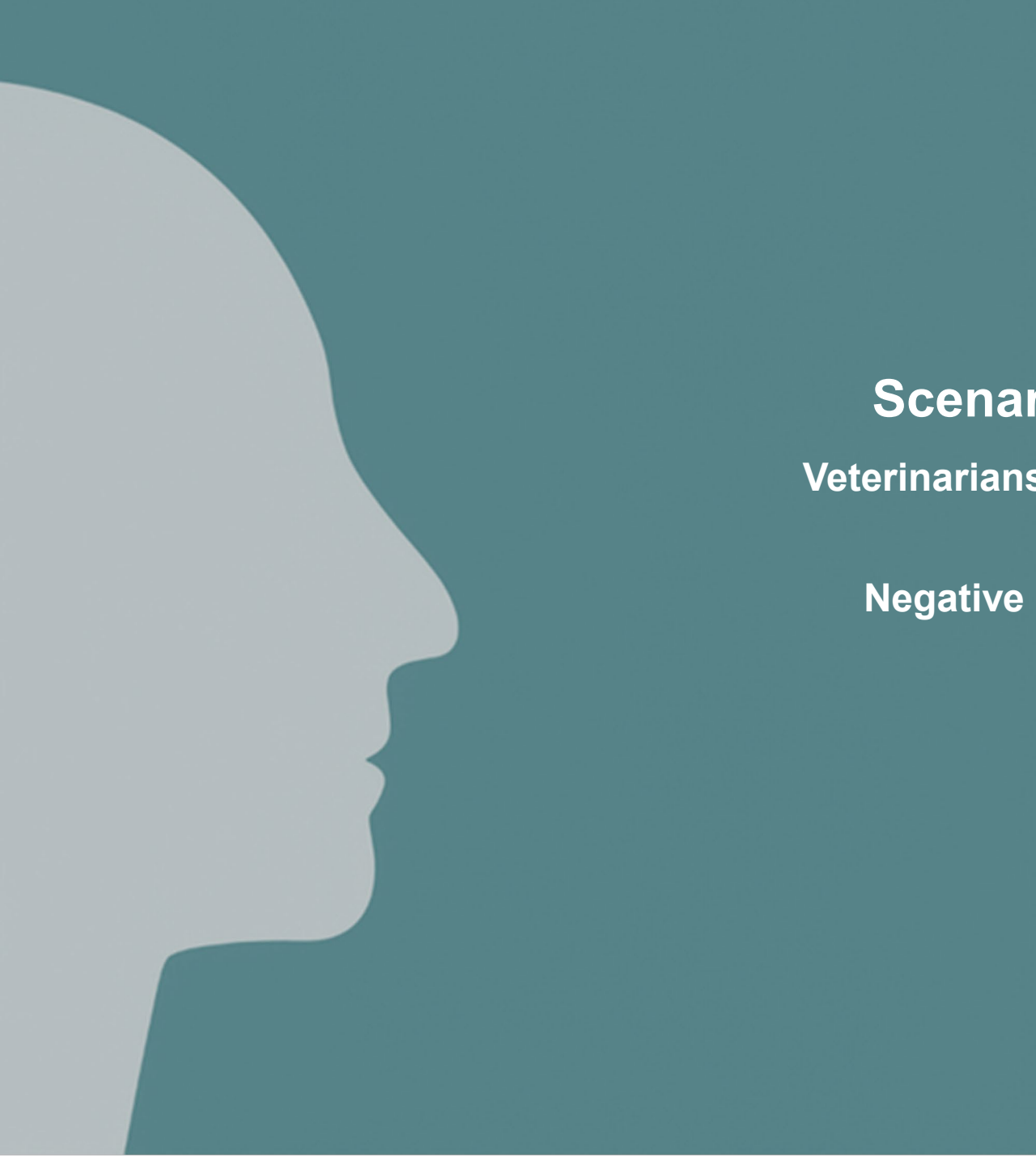
Grouping/group
according to
udder health
status
n=6

Initiate
treatment of
clinical mastitis
n=11

Dry off infected
udder quarter
n=9



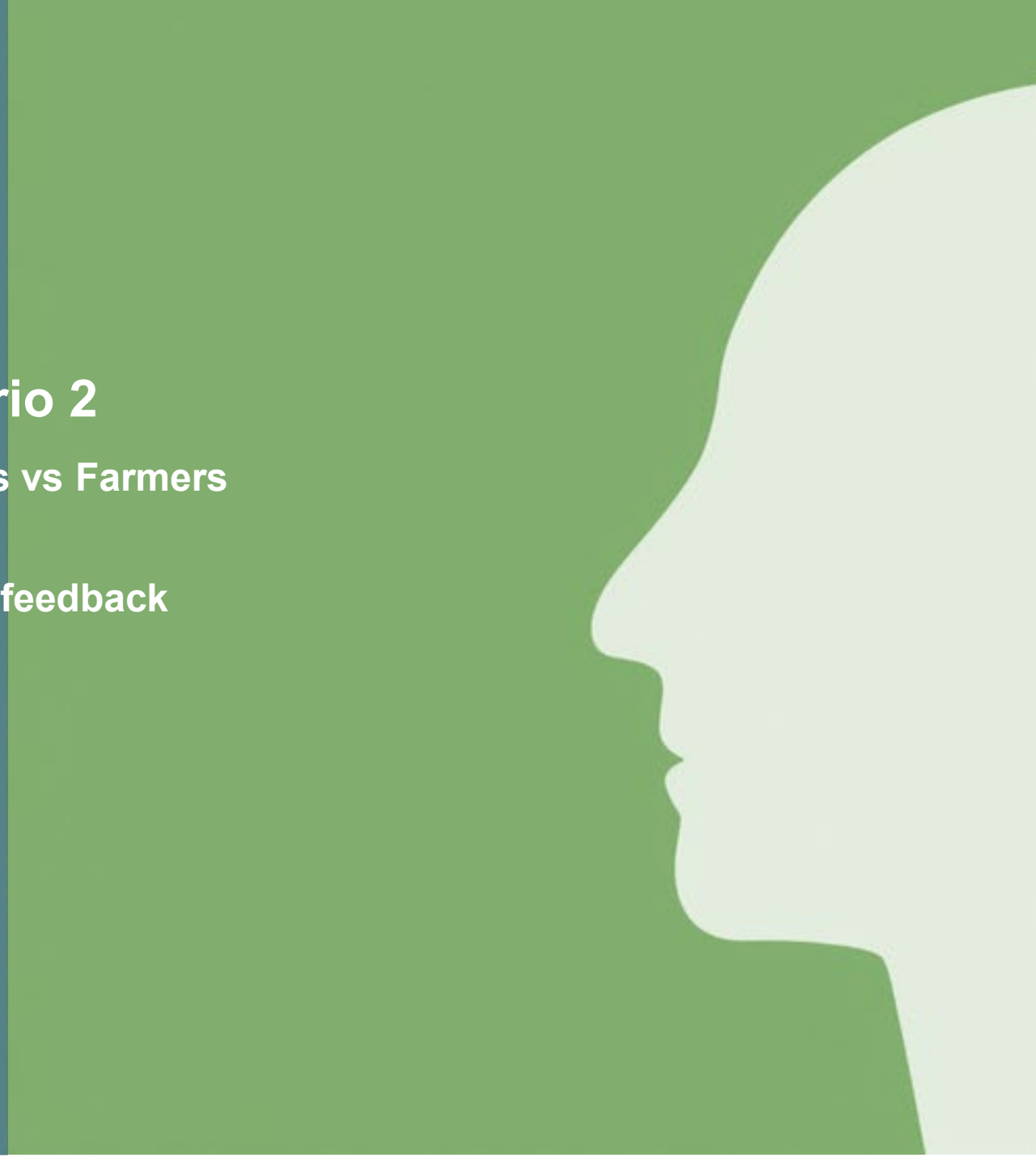
**What happens when we use
negative and positive feedback?**

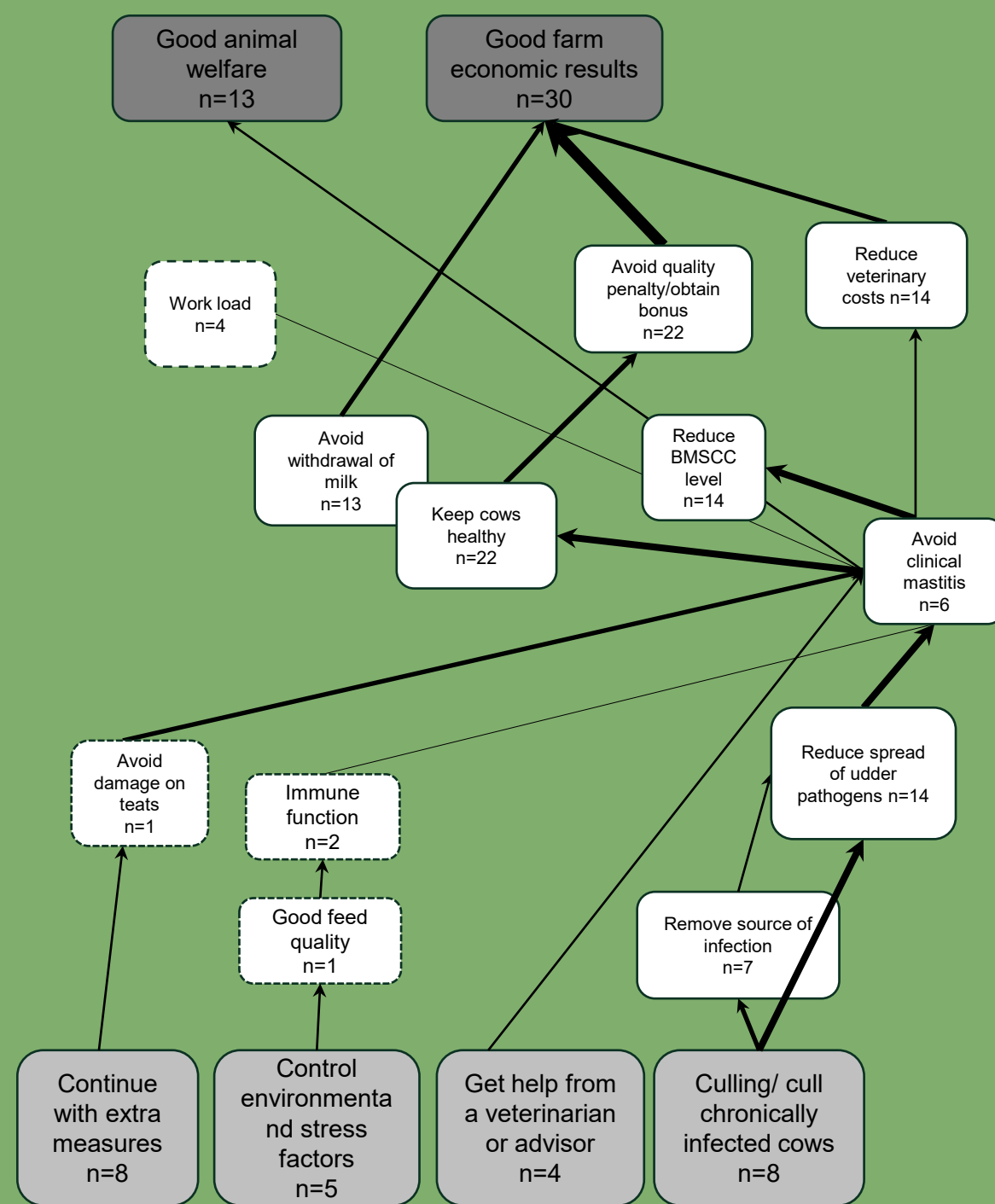
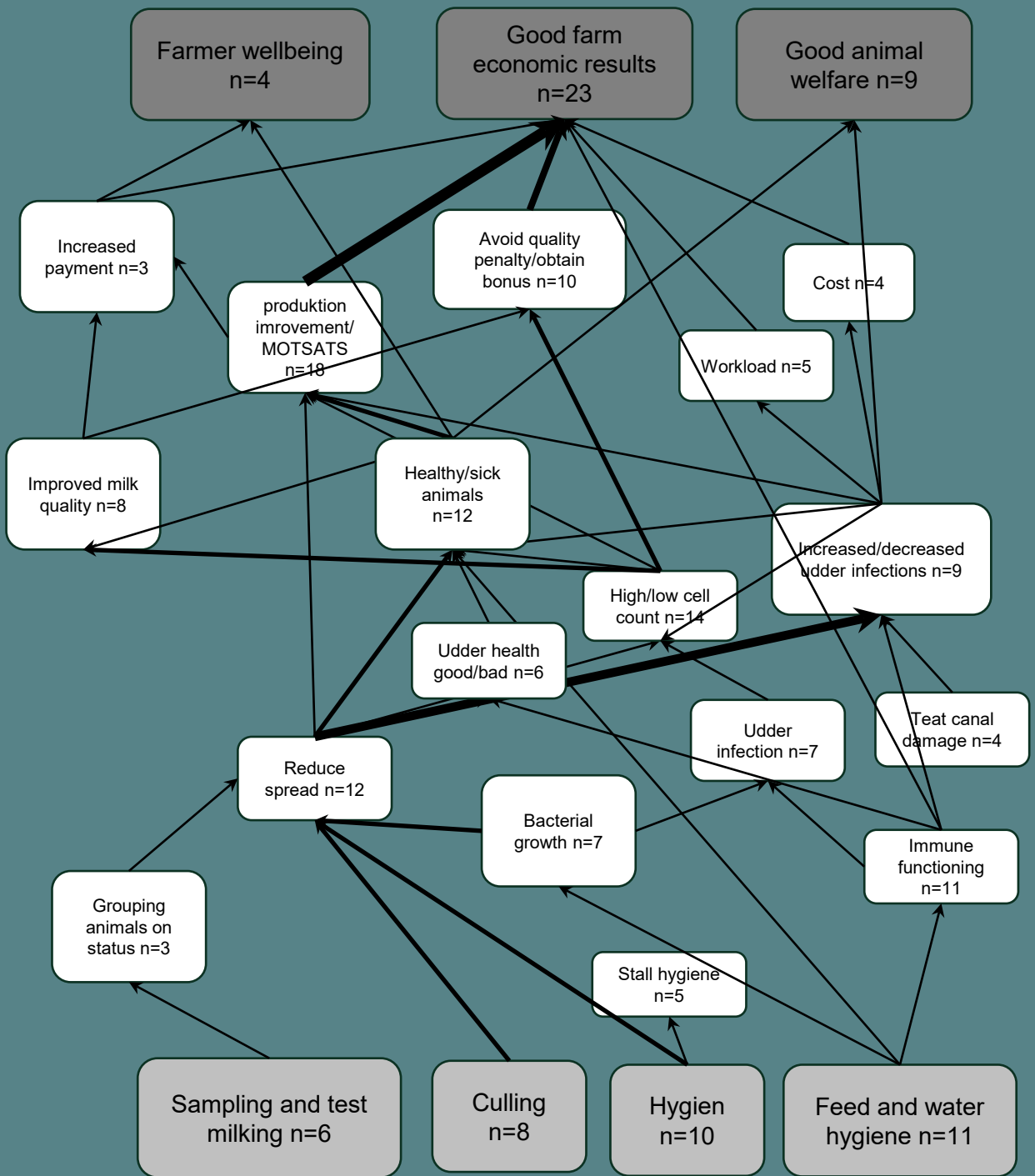


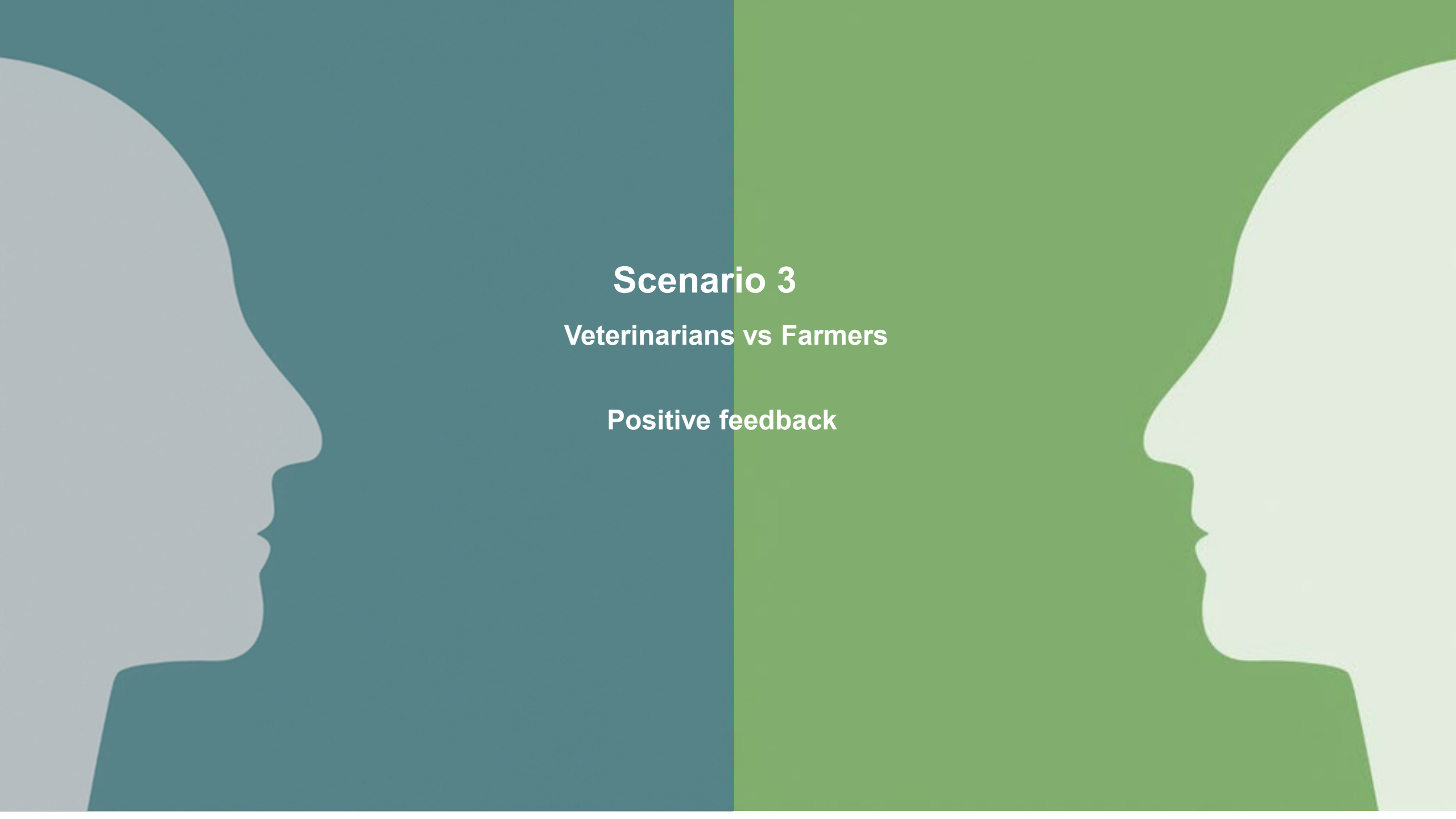
Scenario 2

Veterinarians vs Farmers

Negative feedback



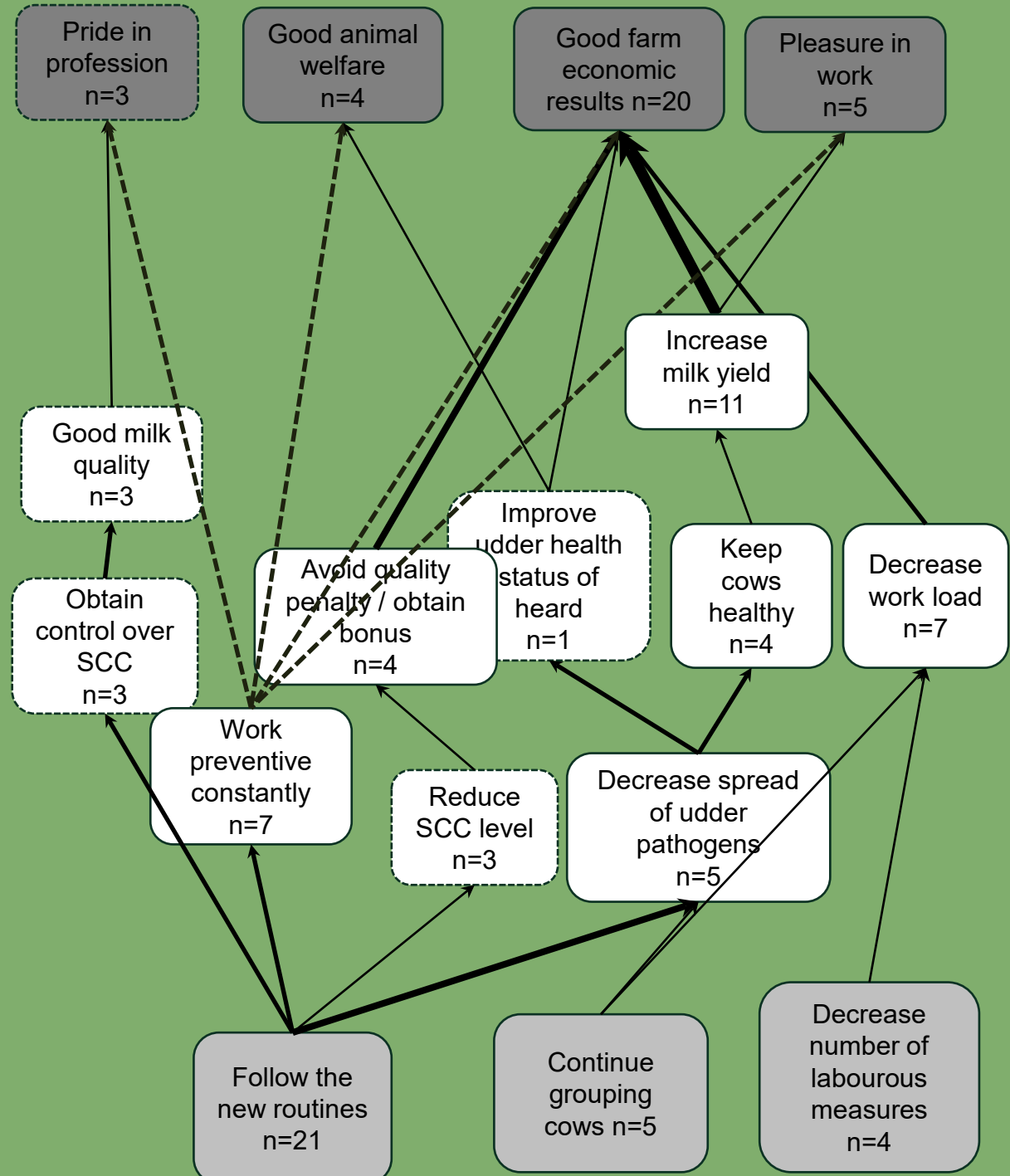
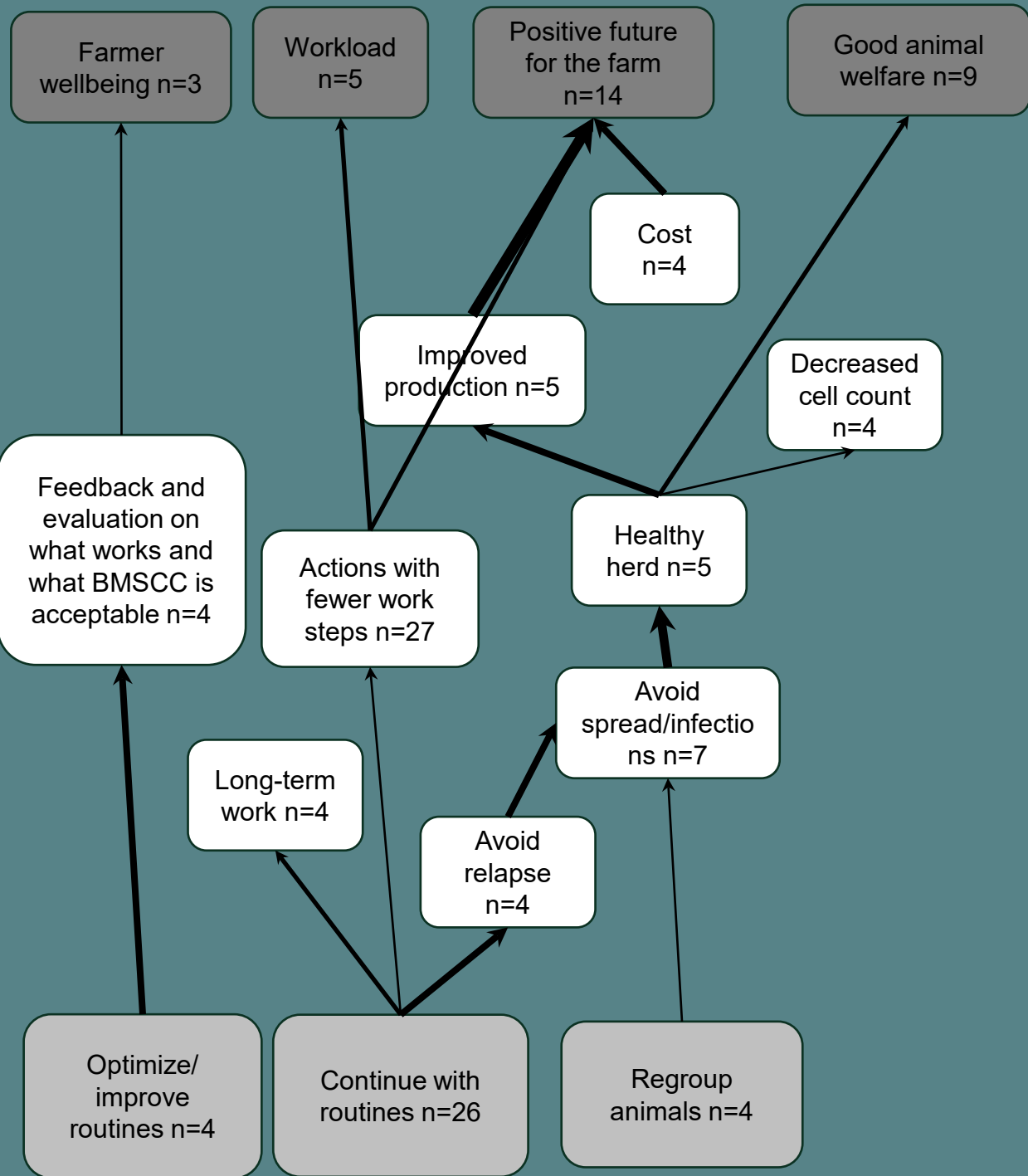


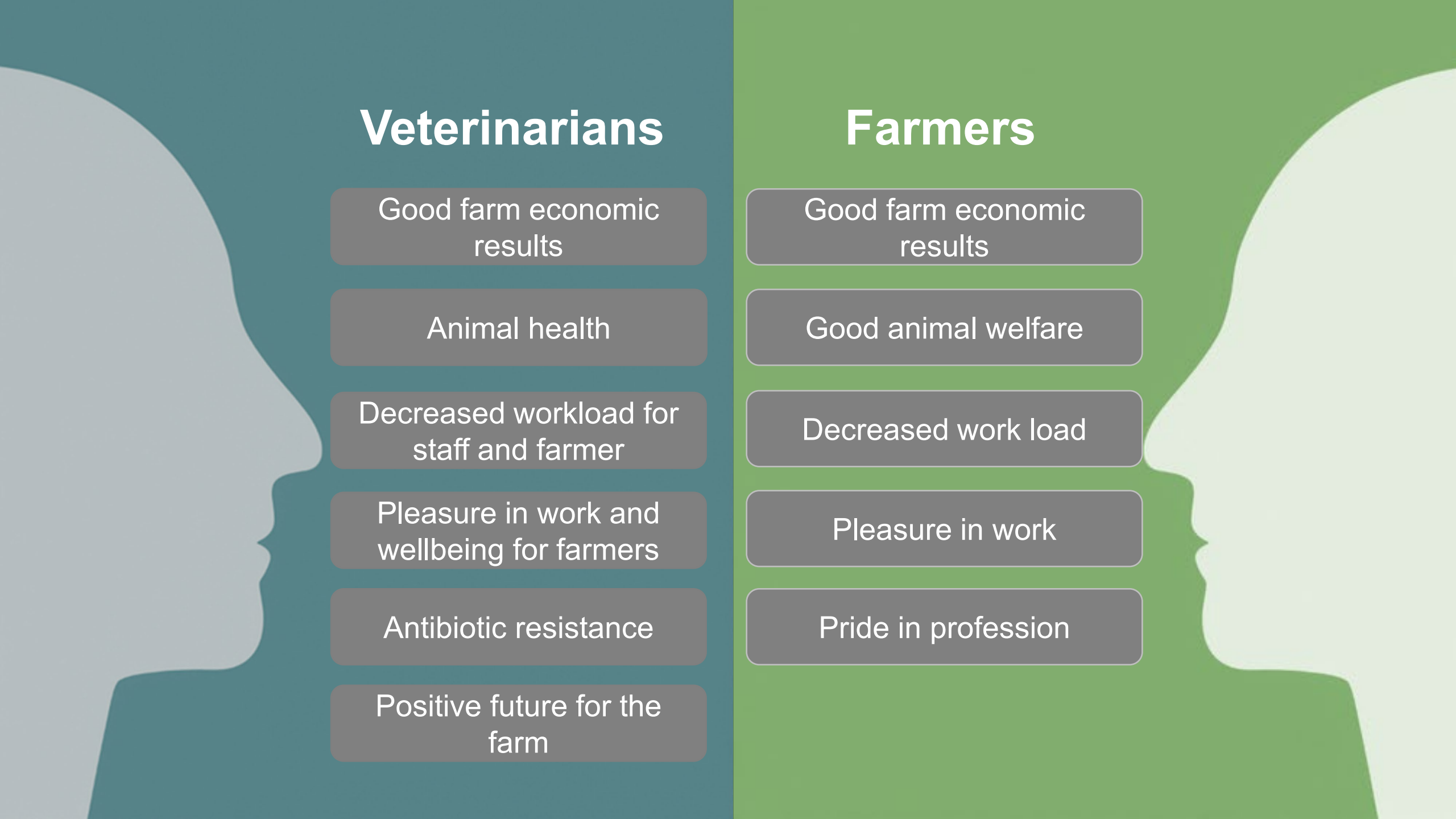


Scenario 3

Veterinarians vs Farmers

Positive feedback





Veterinarians

The infographic is divided into two main sections by a vertical line. The left section, titled 'Veterinarians', has a teal background and features a grey silhouette of a person's head in profile on the left. The right section, titled 'Farmers', has a green background and features a light green silhouette of a person's head in profile on the right. Each section contains six rounded rectangular boxes, each with a specific outcome listed in white text.

Good farm economic results

Animal health

Decreased workload for staff and farmer

Pleasure in work and wellbeing for farmers

Antibiotic resistance

Positive future for the farm

Farmers

Good farm economic results

Good animal welfare

Decreased work load

Pleasure in work

Pride in profession

**Farmers and veterinarians have
similar goals and drivers**

***Farm economic situation and
animal health and welfare***



**”Why are they not following the
recommendaions?”**

Complexities matters!

**The path from what they do to why
they do it” differs**



SCIENCE AND
EDUCATION **FOR**
SUSTAINABLE
LIFE