

# Make your own SimHerd analysis

## From A to Z



HJEM

OM SIMHERD A/S

ARKIV

PRODUKTER

VEJLEDNING

KONTAKT

BRUGERLOGIN



Dansk / English

Click on Brugerlogin

# Simuleringsmodel til malkekvægsbesætninger

SimHerd A/S tilbyder økonomiske analyser med udgangspunkt i data og management i den enkelte malkekvægsbesætning. Vi tilbyder en række ydelser fra brugerlicens til SimHerd modellen til konsulentbaserede besætnings- og investeringsanalyser.

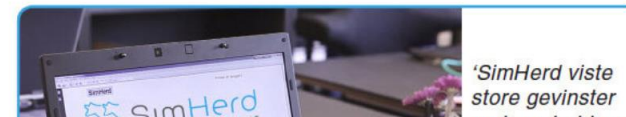
– NYHED: Hvad er den optimale udskiftningsprocent i din besætning? Prøv SimHerd's nye gratis lommeregner

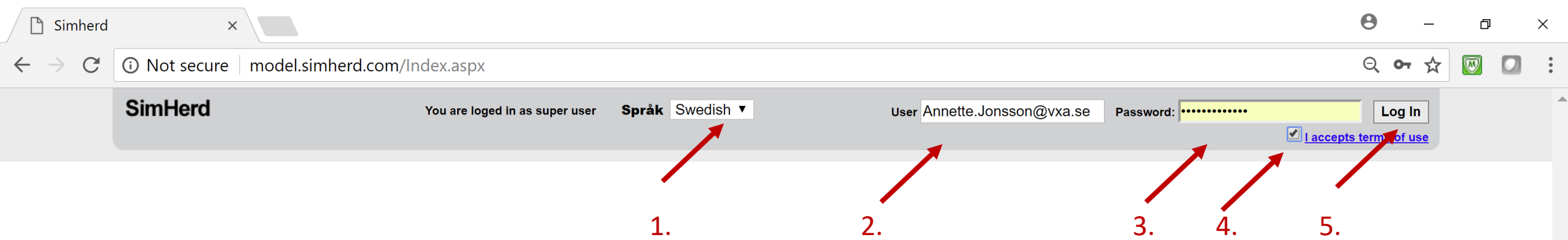
 FØLG OS PÅ FACEBOOK

[Se vores præsentationsvideo](#)



Skal SimHerd også finde de **skjulte gevinster** i din besætning?





1. Choose language
2. Enter Username (your e-mail address)
3. And password (simherd)
4. Put a tick mark in the box
5. Click on "Log in"

Välkommen til SimHerd. Frågor och feedback: [je@simherd.com](mailto:je@simherd.com)

SimHerd

You are logged in as super user   Language English   You are logged in as: sanni.kallio@lehkalaakarit.com   Overview Herds   [Log out]

Herds

Synchronize   Education   Health   Genetics

testfin2

Other information  
CHR No.: testfin2  
Last edited 10/24/2018 4:07:17 PM

[Enter this herd to create scenarios](#)   [Delete](#)

**6. Click on Health**

### The other three buttons

- **Synchronize:** Communicate with the cattle database. This is only operational in Denmark
- **Education:** Upload a *standard* 200-cow herd. This is used for teaching on universities and agricultural schools
- **Genetics:** Perform an analysis on the value of NTM (Vikinggenetics)

Simherd

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← → ↺ ⓘ Not secure | model.simherd.com/user/SimherdLight.aspx?ligtttype=SOEA

SimHerd

You are logged in as super user

Language English ▾

You are logged in as: sannikallio@lehkalaakari.com

Overview H

7. Enter name and herd ID

Name

Jönsson

CHR No.:

12345

Choose Country

Germany

Currency

7,45

Enter symbol (€) or abbreviation (EUR) of currency

€

8. Choose GERMANY in case your country is not in the list

Enter the data for your herd

Herd size

?

kg ECM per cow-year

?

Run SØA

Enter in more detail

Choose the level for your herd

Exakt värde

Key figure		Low	Average	High	Exact value
Mastitis	?	<input type="checkbox"/> 20	<input type="checkbox"/> 35	<input type="checkbox"/> 50	
Bulk Tank Somatic Cell Count (x1000)	?	<input type="checkbox"/> 190	<input type="checkbox"/> 240	<input type="checkbox"/> 290	
Claw and Leg Problems	?	<input type="checkbox"/> 12	<input type="checkbox"/> 25	<input type="checkbox"/> 38	
Infectious Hoof Diseases	?	<input type="checkbox"/> 10	<input type="checkbox"/> 50	<input type="checkbox"/> 100	
Metabolic diseases	?	<input type="checkbox"/> 1	<input type="checkbox"/> 6	<input type="checkbox"/> 12	
Reproductive diseases	?	<input type="checkbox"/> 4	<input type="checkbox"/> 13	<input type="checkbox"/> 22	
Heat observation rate, cows	?	<input type="checkbox"/> 33	<input type="checkbox"/> 46	<input type="checkbox"/> 59	

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Simherd

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Not secure

model.simherd.com/user/SimherdLight.aspx?ligtttype=SOEA

SimHerd

You are logged in as super user

LanguageEnglish

You are logged in as: sannikallio@lehmlaakarit.com

Overview H

Herds

Name

Jönsson

CHR No.:

12345

Choose Country

Germany

Currency

7,45

Enter symbol (€) or abbreviation (EUR) of currency

€

Enter the data for your herd

Herd size

?

120

kg ECM per cow-year

?

11000

Run SØA

Enter in more detail

Choose the level for your herd

Exakt värde

Key figure		Low	Average	High	Exact value
Mastitis	?	<input type="checkbox"/> 20	<input type="checkbox"/> 35	<input type="checkbox"/> 50	<input type="text"/>
Bulk Tank Somatic Cell Count (x1000)	?	<input type="checkbox"/> 190	<input type="checkbox"/> 240	<input type="checkbox"/> 290	<input type="text"/>
Claw and Leg Problems	?	<input type="checkbox"/> 12	<input type="checkbox"/> 25	<input type="checkbox"/> 38	<input type="text"/>
Infectious Hoof Diseases	?	<input type="checkbox"/> 10	<input type="checkbox"/> 50	<input type="checkbox"/> 100	<input type="text"/>
Metabolic diseases	?	<input type="checkbox"/> 1	<input type="checkbox"/> 6	<input type="checkbox"/> 12	<input type="text"/>
Reproductive diseases	?	<input type="checkbox"/> 4	<input type="checkbox"/> 13	<input type="checkbox"/> 22	<input type="text"/>
Heat observation rate, cows	?	<input type="checkbox"/> 33	<input type="checkbox"/> 46	<input type="checkbox"/> 59	<input type="text"/>

9. Enter basic data

Simherd

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SimHerd

You are logged in as super user

LanguageEnglish ▾

You are logged in as: sanni.kallio@lehkalaakari.com

Overview H

Herds

Name

Jönsson

CHR No.:

12345

Choose Country

Finnland ▾

Currency

7,45

Enter symbol (€) or abbreviation (EUR) of currency

€

Enter the data for your herd

Herd size

?

120

kg ECM per cow-year

?

11000

Run SØA

Enter in more detail

Choose the level for your herd

Exakt värde

Key figure		Low	Average	High	Exact value
Mastitis	?	<input type="checkbox"/> 20	<input checked="" type="checkbox"/> 35	<input type="checkbox"/> 50	
Bulk Tank Somatic Cell Count (x1000)	?	<input checked="" type="checkbox"/> 190	<input type="checkbox"/> 240	<input type="checkbox"/> 290	
Claw and Leg Problems	?	<input type="checkbox"/> 12	<input checked="" type="checkbox"/> 25	<input type="checkbox"/> 38	
Infectious Hoof Diseases	?	<input type="checkbox"/> 10	<input type="checkbox"/> 50	<input checked="" type="checkbox"/> 100	
Metabolic diseases	?	<input type="checkbox"/> 1	<input type="checkbox"/> 6	<input type="checkbox"/> 12	10
Reproductive diseases	?	<input type="checkbox"/> 4	<input checked="" type="checkbox"/> 13	<input type="checkbox"/> 22	
Heat observation rate, cows	?	<input type="checkbox"/> 33	<input type="checkbox"/> 46	<input type="checkbox"/> 59	

10. Choose your levels that best represent your herd

Either choose a "Low, Average and High" level if you only know that your herd is under- or overperforming or just average. Or enter the **Exact values** if you know them.

"Low" and "High" represent the 25% of the Danish herds with the lowest and highest value for this parameter, respectively.

Point at the "questions marks" with your mouse, to go explanations on the key-figures

Simherd

Not secure | model.simherd.com/user/SimherdLight.aspx?ligtttype=SOEA

SimHerd

You are logged in as super user

LanguageEnglish

You are logged in as: sannikallio@le

Herds

Name

... Jönsson

CHR No.:

... 12345

Choose Country

Finnland

Currency

7,45

Enter symbol (€) or abbreviation (EUR) of currency

€

Enter the data for your herd

Herd size

120

kg ECM per cow-year

11000

Choose the level for your herd

Key figure	Low	Average	High	Exakt värde
Mastitis	<input type="checkbox"/> 20	<input checked="" type="checkbox"/> 35	<input type="checkbox"/> 50	
Bulk Tank Somatic Cell Count (x1000)	<input checked="" type="checkbox"/> 190	<input type="checkbox"/> 240	<input type="checkbox"/> 290	
Claw and Leg Problems	<input type="checkbox"/> 12	<input checked="" type="checkbox"/> 25	<input type="checkbox"/> 38	
Infectious Hoof Diseases	<input type="checkbox"/> 10	<input type="checkbox"/> 50	<input checked="" type="checkbox"/> 100	
Metabolic diseases	<input type="checkbox"/> 1	<input type="checkbox"/> 6	<input type="checkbox"/> 12	10
Reproductive diseases	<input type="checkbox"/> 4	<input checked="" type="checkbox"/> 13	<input type="checkbox"/> 22	
Heat observation rate, cows	<input type="checkbox"/> 33	<input type="checkbox"/> 46	<input type="checkbox"/> 59	

Run SØA

Enter in more detail

11a. Click on Run SØA: the analysis starts, which means you are finished. Go to page 13

11b. Click on "Enter in more detail" in case you want to specify that the Metabolic diseases only concern Milk fever (for example!)

See next page.



Overview Herds

Suomi

12345

Edit

Overview

0110

Calibration

Standard

Scenario

Prices

Scenario

Standard ID: SHI\_18989

Created by: sannikallio@lehmalakarit.com

Date: 10/24/2018 10:41:10 PM

Herd file:

Upload file

Simulation : status

12. Scroll all the way down

Here you can enter more details (Breed and Organic; see the circles).

Read the question marks behind the key-figures.

Key figures

Production system	?	<input checked="" type="radio"/> Conventional
		<input type="radio"/> Organic
Dairy cattle breed	?	<input checked="" type="radio"/> HF
		<input type="radio"/> Jersey
Is a herd file present?	?	<input type="radio"/> Yes
		<input checked="" type="radio"/> No (typically for foreign users)
Prices used in the analyses	?	<input checked="" type="radio"/> Use the system's own price set (recommended)
		<input type="radio"/> Use the user's price set
Yes!	?	<input checked="" type="checkbox"/> Have you validated your data?

Key figure	Your herd?	P25?	P75?	Beware!!?	Unit
1 Cow-years	?	120			Number
2 kg ECM per cow-year	?	11000			kg

## Overview Herds

Suomi

12345

[Edit](#)

## Overview

01  
10

Data



Calibration



Scenario



Prices



Report

Standard

Scenario

Standard ID: SHI\_18989  
Created by:  
sanni.kallio@lehkalaakarit.com  
Date: 10/24/2018 10:41:10 PM

Herd file:



Upload file

Simulation :  
status [Comments](#)

## Key figures

8	Number of first parity calvings	?	<input type="text" value="39"/>	24	54		Number
9	Stillbirths	?	<input type="text" value="6"/>				%
10	Calf mortality, efter birth	?	<input type="text" value="7"/>	2.1	10.5		%
	Cow mortality	?	<input type="text" value="5"/>	2.7	7		%
	Milk Fever	?	<input type="text" value="10"/>	1	6	!!!	Cases / 100 cow-years
	Dystocia	?	<input type="text" value="1"/>	0	2		Cases / 100 cow-years
	Retained Placenta	?	<input type="text" value="6"/>	2	11		Cases / 100 cow-years
	Metritis	?	<input type="text" value="6"/>	1	10		Cases / 100 cow-years
	Displaced Abomasum	?	<input type="text" value="0"/>	0	2		Cases / 100 cow-years
	Ketosis	?	<input type="text" value="0"/>	0	5		Cases / 100 cow-years
18	Mastitis	?	<input type="text" value="35"/>	17	46		Cases / 100 cow-years

**13. Choose specific levels\*****14. Click on "Save"****15. Click on "Calibration"**

\* You entered 10 "Metabolic diseases" on page 8. Then SimHerd assumes, that 5 of the 10 are milk fever, 3 are ketosis and 2 is displaced abomasum; this 5:3:2 distribution is always used. But you clicked on "Enter in more detail" on page 8, so that you can enter that this herd only has trouble with Milk fever here.

Simherd

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Not secure | model.simherd.com/user/Calibrate.aspx?basisid=18989

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SimHerd

You are logged in as super user

Language English

You are logged in as: sannikallio@lehkalaakarit.com

Overview Herds

[Log out]

Overview Herds

Suomi

12345

Edit

Overview

0110

Calibration

Data

Scenario

Prices

Report

Standard

Scenarie

Standard ID: SHI\_18989

Created by: sannikallio@lehkalaakarit.com

Date: 10/24/2018 10:41:10 PM

Herd file:

Run

Simulation : status

Run

Genetics

Health

?

Comments

Youngstock

Disease

Reproduction and Culling

Milk yield

-Control and Settings

-Repro

-Feeding

Yield

SN

Input parameter

Average value

Input

Unit

Simulated Results

Key figure

18

Start breeding, first parity cows

?

42

45

days after calving

Number of Calvings

19

Start breeding, other cows

?

42

45

days after calving

Replacement Rate

20

Heat observation rate

?

38

51

probability

Calving Interval

21

Conception rate

?

49

44

probability

22

Insemination period

?

11

12

number of cycles

Number of cullings due

16. Click on Health

## SimHerd

You are logged in as super user

Language English ▼

You are logged in as: sannikallio@lehmlaakarit.com

[Overview Herds](#)[\[Log out\]](#)

## Overview Herds

Suomi

12345

[Edit](#)

## Overview

01  
10

Standard ID: SHI\_18989  
Created by:  
sannikallio@lehmlaakarit.com  
Date: 10/24/2018 10:41:10 PM  
Herd file:



Run

Simulation :  
status

## Youngstock

## Disease

## Reproduction and Culling

## Milk yield

-Control and Settings

-Repro

-Feeding

-Yield

-Youngstock



Running this HEA is an add-on module to the SimHerd software. This module has a price (depending on your agreement with HDS b.v.) in addition to the license for simulating scenarios in a specific herd. Click on "Cancel" in case you don't wish to proceed.

Send to e-mail::

OK

Cancel

17. Click on OK

18. Go to "Overview"

18	Start breeding, first parity cows	?	42	45	days after		
19	Start breeding, other cows	?	42	45	days after calving		Replacement Rate
20	Heat observation rate	?	38	51	probability		Calving Interval
21	Conception rate	?	49	44	probability		
22	Insemination period	?	11	12	number of cycles		Number of cullings due to failure to conceive
							Number of

## Overview Herds

Suomi

12345

[Edit](#)

## Overview

01  
10

Data



Calibration



Scenario



Prices



Report

Standard

Scenarie

Standard ID:  
Created by:  
Date:

Herd file:

Create standard

## Standard

SH\_18989

10/24/2018 10:41:10 PM

Created by: sannikallio@lehkalaakarit.com

Other information:

Herd file:



Calibration

Create  
NEW  
scenario

You can also just run one scenario at a time, just like you did in the exercises:

**19. Click on "Create NEW Scenario".**

But since the "Health analysis" is running now, and has to be finished before you can run more scenarios.

**20. Go to "Overview herds" to start with your next herd**

Create PDF (general)

Here below, all 23 scenarios that are in the "Health analysis" are created and being simulated now. We can't go into them to see until the whole analysis is finished (=you received an e-mail)

## Scenario

Scenario no.: SHI\_129746

Created by: sannikallio@lehkalaakarit.com

Date: 10/24/2018 10:57:03 PM

Comments: plus 0.5 kg EKM/plus 0.5 kg ECM



Scenario



Prices



Report

## Scenario

Scenario no.: SHI\_129745

Created by: sannikallio@lehkalaakarit.com

Date: 10/24/2018 10:57:02 PM

Comments: Dødfødsel/Stillbirth

Simherd x +

Not secure | model.simherd.com/user/Enterprises.aspx

**SimHerd** You are logged in as super user Language English You are logged in as: sannikallio@lehkalaakarit.com Overview Herds [Log out]

Herds

Synchronize Education Health Genetics

**Suomi**

Other information  
CHR No.: 12345  
Last edited 10/24/2018 10:57:12 PM

[Enter this herd to create scenarios](#) [Delete](#)

**21. Click on "Health" again to start with a new herd (see page 4).**

Once you received your pdf in the mail, you can go in here again, to run scenarios one-at-a-time