

EHRC 2011

Swedish Dairy Association

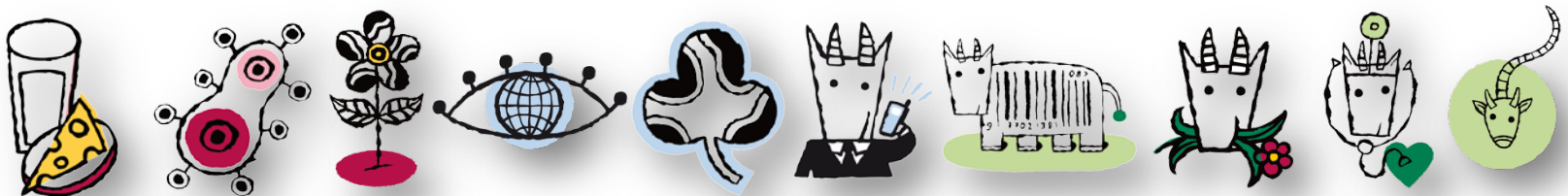
Milk production and Milk recording in Sweden

Nils-Erik Larsson

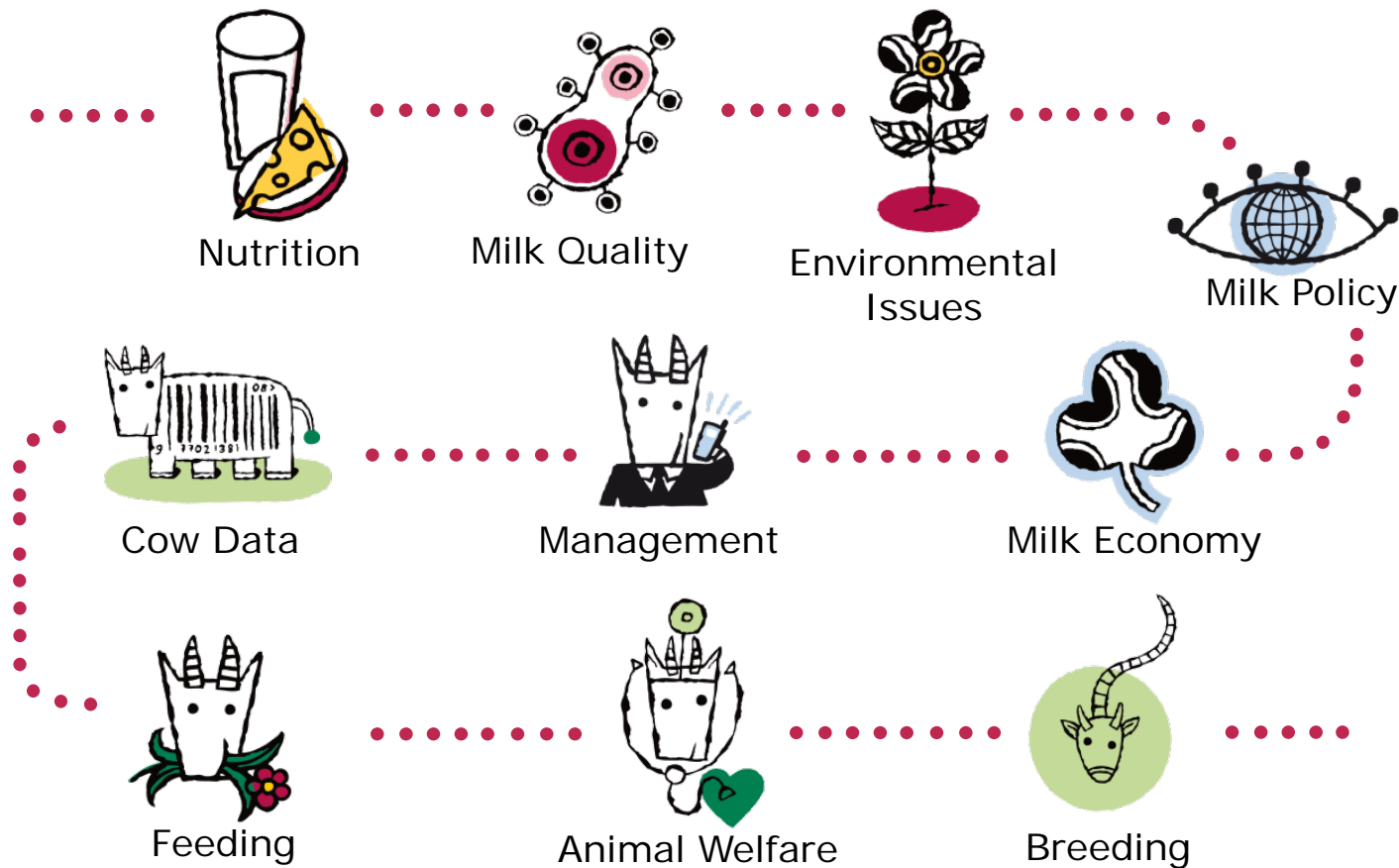
Stockholm 2011-07-05

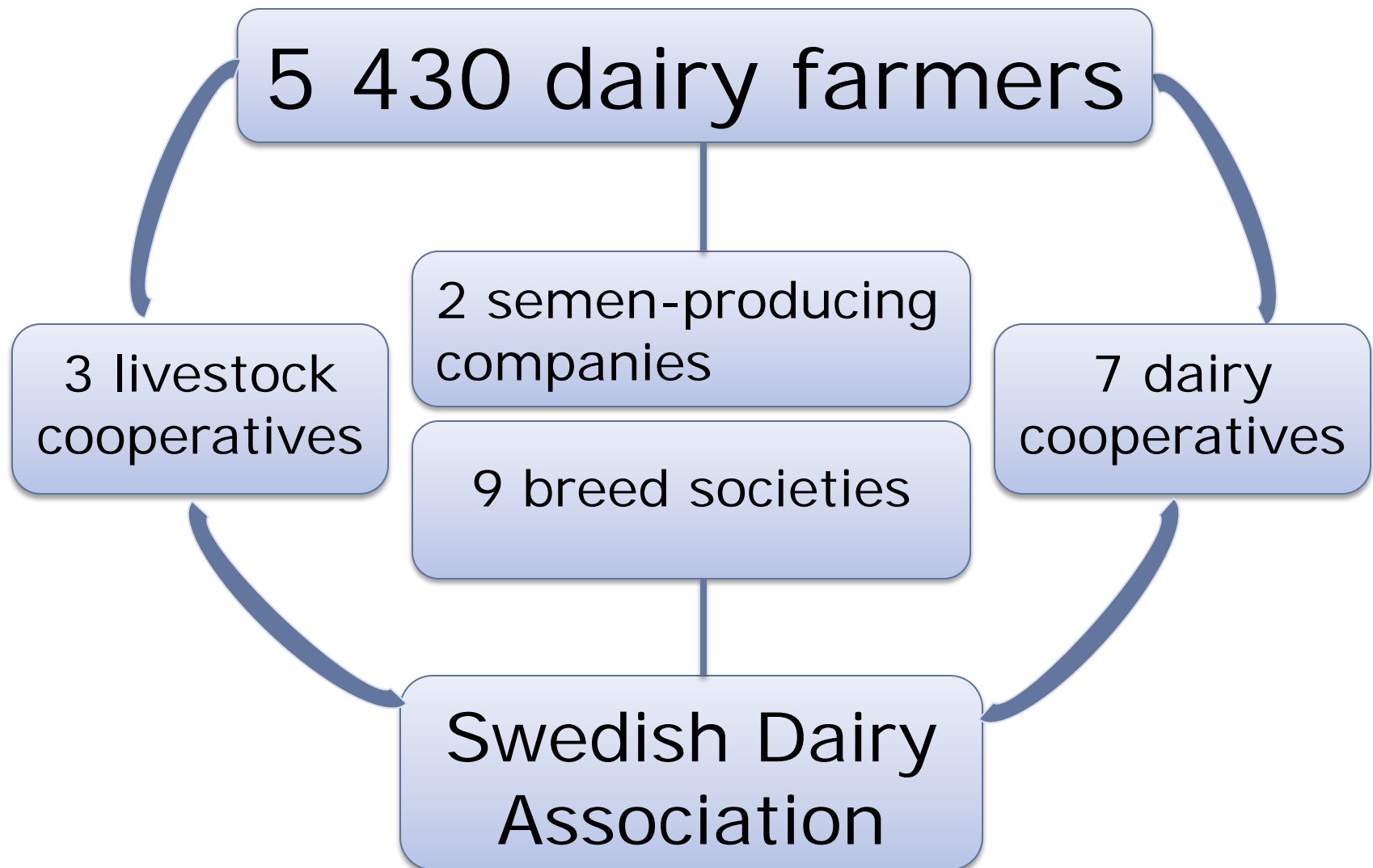
The Swedish Dairy Association promotes milk production and the consumption of milk and dairy products

- Works on behalf of the dairy and livestock cooperatives in Sweden
- Deliver expert knowledge of the entire chain from cow to consumer

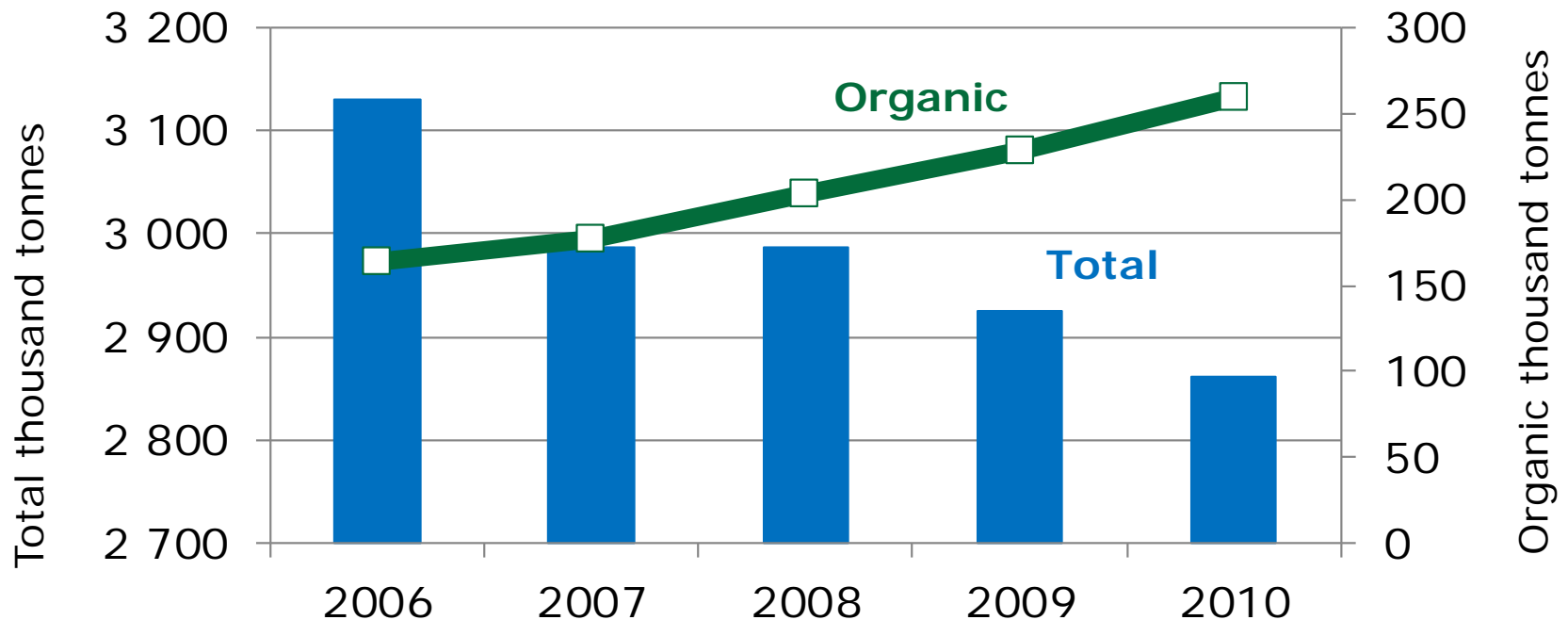


The Swedish Dairy Association's chain of expert knowledge





Organic and total milk deliveries



Source: Swedish Dairy Association

" More Milk "

The main object for next three years:

- Turn the trend so that milk production in Sweden increases!
- Highest priority for the dairy industry
- Growth in milk production is important for:
 - Dairy farms
 - Dairy companies
 - Agriculture in common
 - Rural community – the society

Milk recording in Sweden

- A long history – started around 1900
- In late 50's – merging of milkrecording, AI into one cooperative company
- Computerized database from beginning of 60's
- Milkrecording, type B4
- Financed by farmers fees – 100 %
- The base for management of dairy herd, extensive advisory services.
- Member of ICAR
- Approved for
ICAR certificate of Quality



The cow data – Milk recording, AI key figures 2010

	Country total
Number of dairy cows (June 2010, thousands)	348 101
in milk recording	85 %
in Artificial Insemination (AI)	94 %
with AI done by the dairy farmer	50 %
average number per herd*	64.1
average age at first calving (months)*	28.1
Number of dairy farmers (June 2010)	5 694
in milk recording	79 %
in AI	97 %
Total milk delivered Mkg (2010)	2 862
in milk recording	87 %

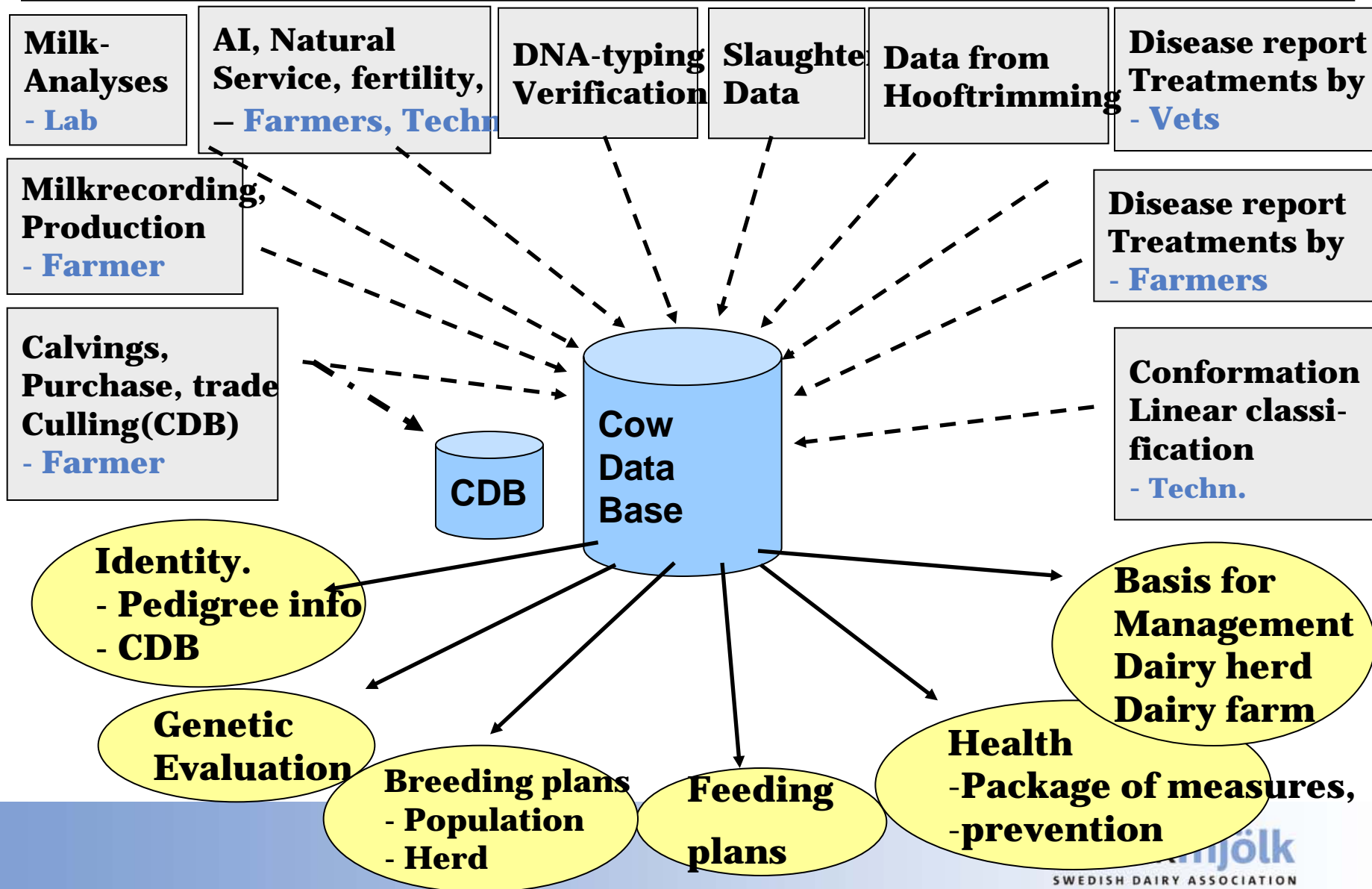
*) Herds in milk recording

Source: Swedish Dairy Association

Milk Recording in Sweden - Structure

- Increasing level of High Tech. Equipment on farms
 - 700+ herds with AMS
 - Approx 800 herds with On-Farm management systems, flow milk meters etc (DeLaval ALPRO, GEA Dairyplan, ...)
 - Last 5 years: Focus on milk recording in large herds.
 - New, easier methods for sampling
 - Data transfer from On-Farm managementsystems to Milk recording is available

Dataflow – Cow Data Base, milk recording





Born: 2004-10-23

S	90457 Chasseee
PGS	90185 Novalls
MGS	90171 T Funkis
GMGS	44358 Håradsköpp
Dam	489 Rosa 326612

aAa: 423615



Update date 2011-05-03

Production traits (Reliability prod: 95 %)		No. of dtrs
Prod. index	122	164
Milk, kg	106	
Protein, kg	120	
Protein, %	114	
Fat, kg	113	
Fat, %	106	
Growth	105	140
Health traits		
Daughter fertility	124	253
Calvings, sire	107	
Calvings, MGS	101	
Calvings, maternal	98	
Udder health	104	219
Other diseases	109	
Longevity	112	96
Hoothealth	109	
Conformation traits		
Body	97	86
Feet and legs	98	
Udder	114	
Functional traits		
Milking Speed	106	
Temperament	111	



841 Bessy



520 Katinka

Conformation traits		Linear score
Stature	107 short	
Dairyness	103 coarse	
Chest width	92 narrow	
Body depth	78 shallow	
Rump width	95 narrow	
Rump angle	110 high pins	
Top line	96 weak	
Legs side	85 posty	
Legs rear view	92 loose out	
		tall angular wide deep wide low pins strong sickled parallel

Milkrecording/
Cow Data base
-The foundation for
genetic evaluation

- Due to the broad
content of our
database – A very
wide breeding goal
is possible

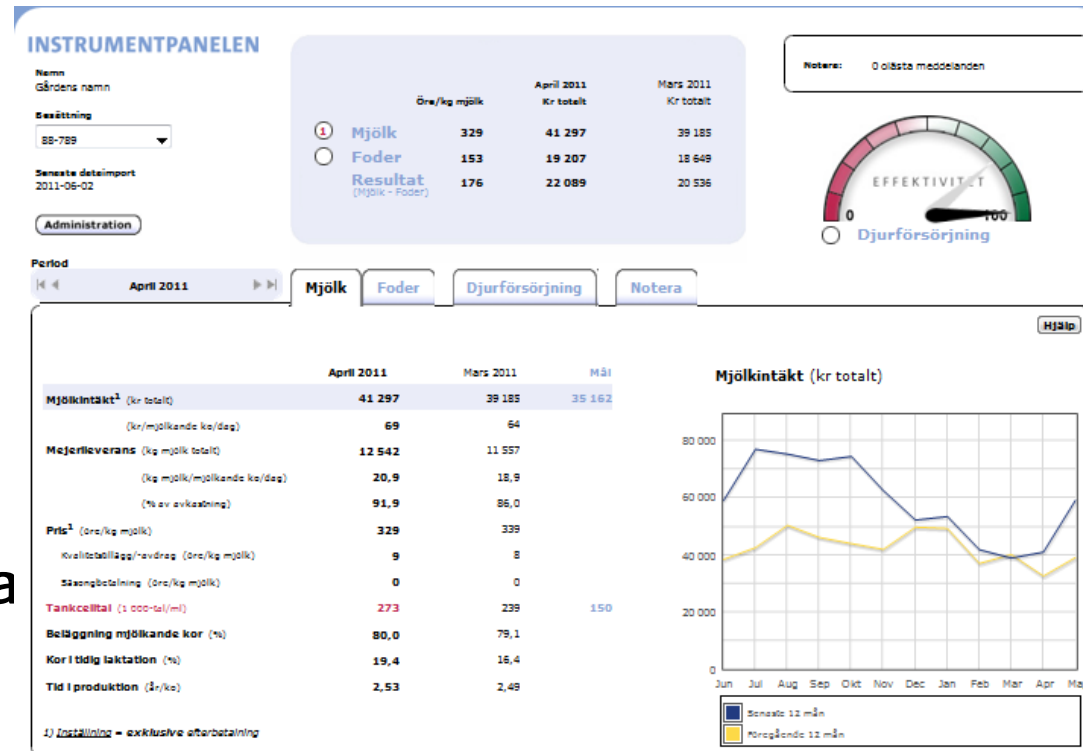
- Swedish Dairy
Association is a part
of the Nordic Cattle
Genetic Evaluation

Output from Cow Data base is available through, traditional reports, PC-services and internet-webbased reports

Our latest service is merging of data from:

- Dairy company
- Milk recording
- AI-fertility

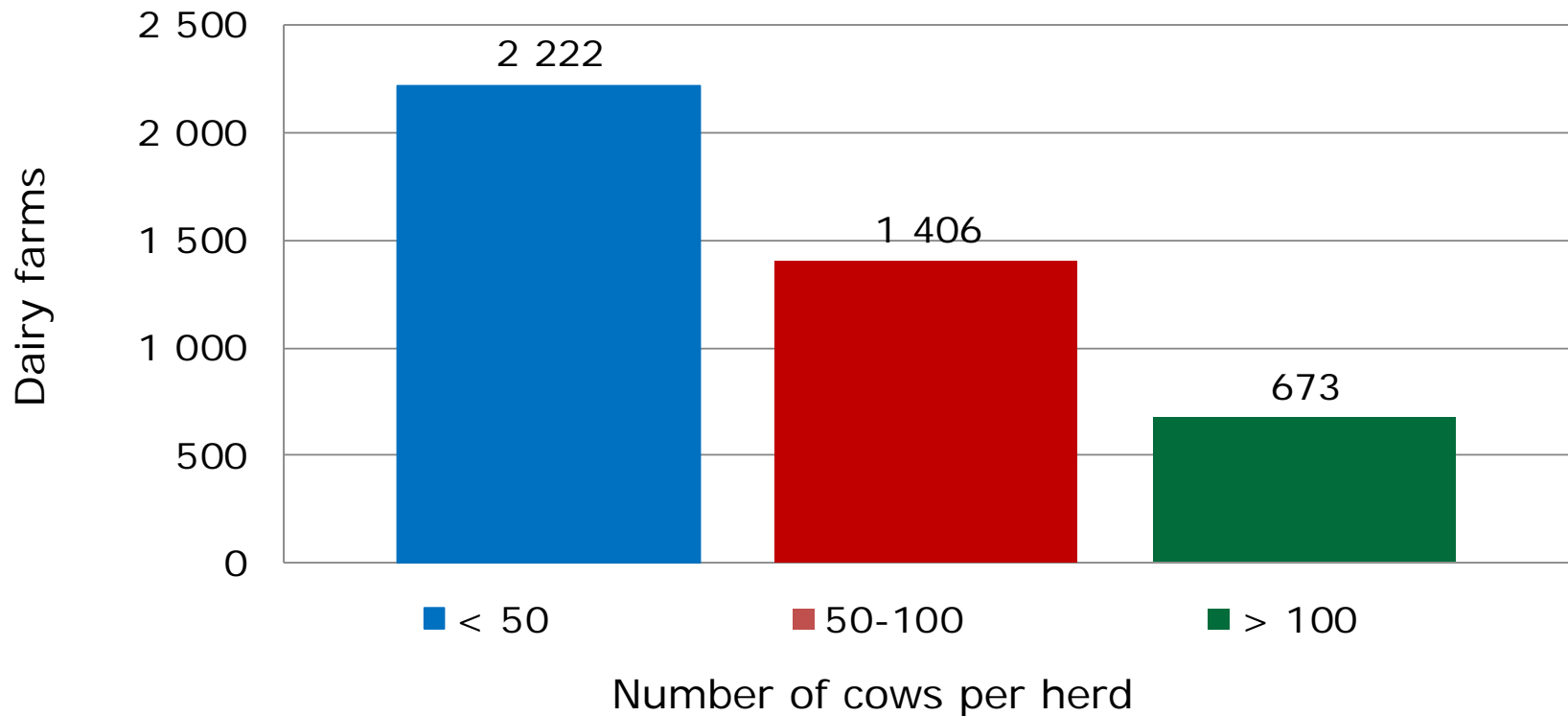
"The Dashboard for a dairy herd"



Herd structure 2010

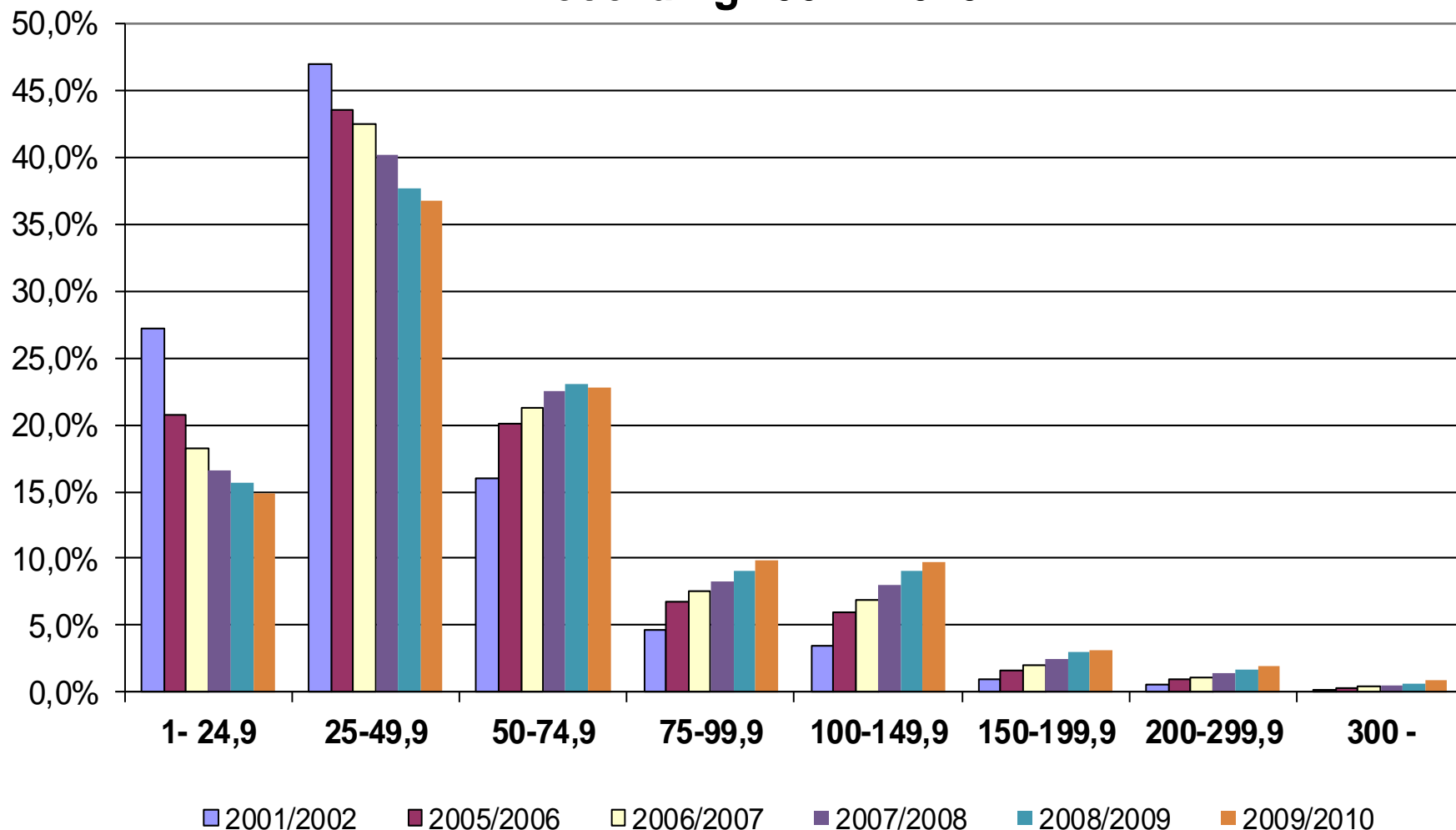
Recorded cows

Average herds size 64,1 cows

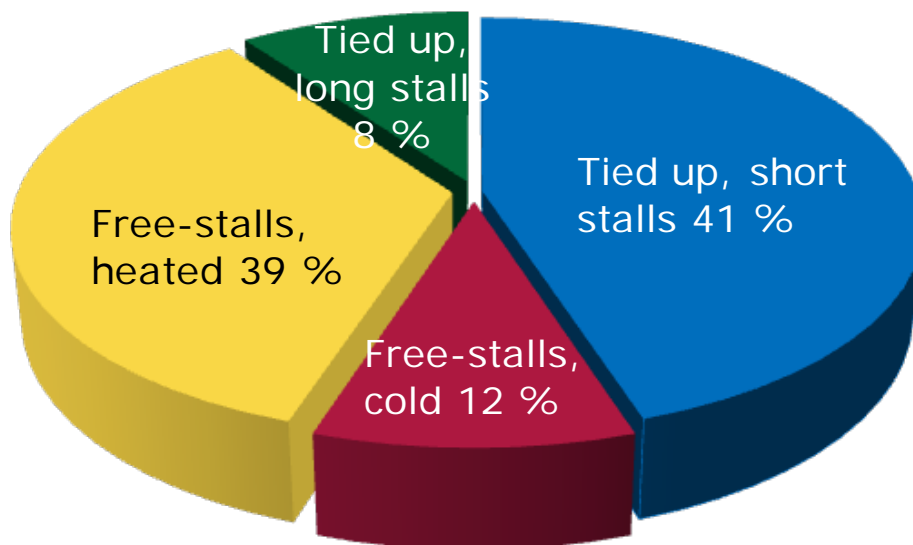


Source: Swedish Dairy Association

Proportion of herds according to size - Milk Recording 2001 - 2010

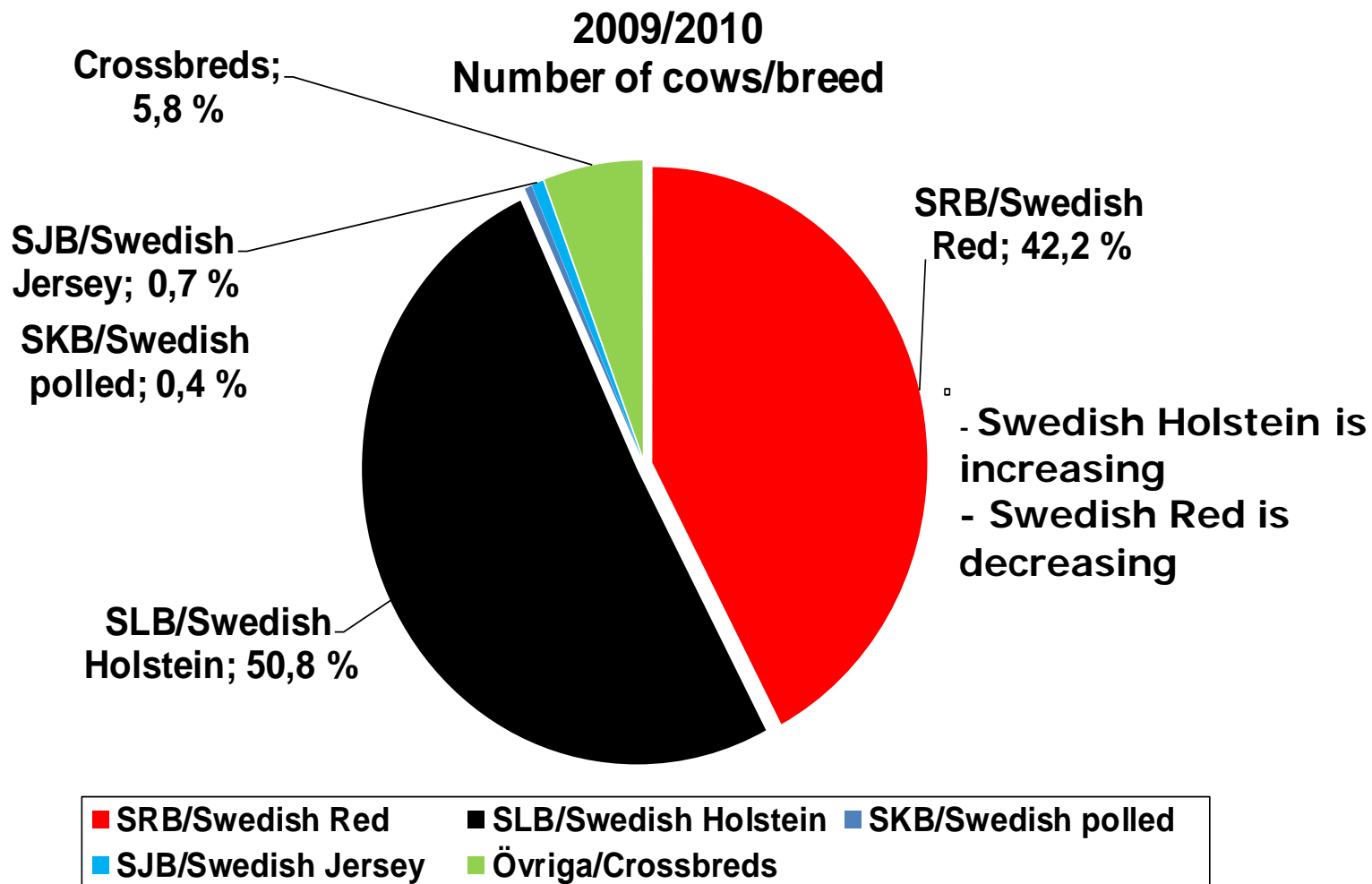


Share of cows in different housing systems 2010

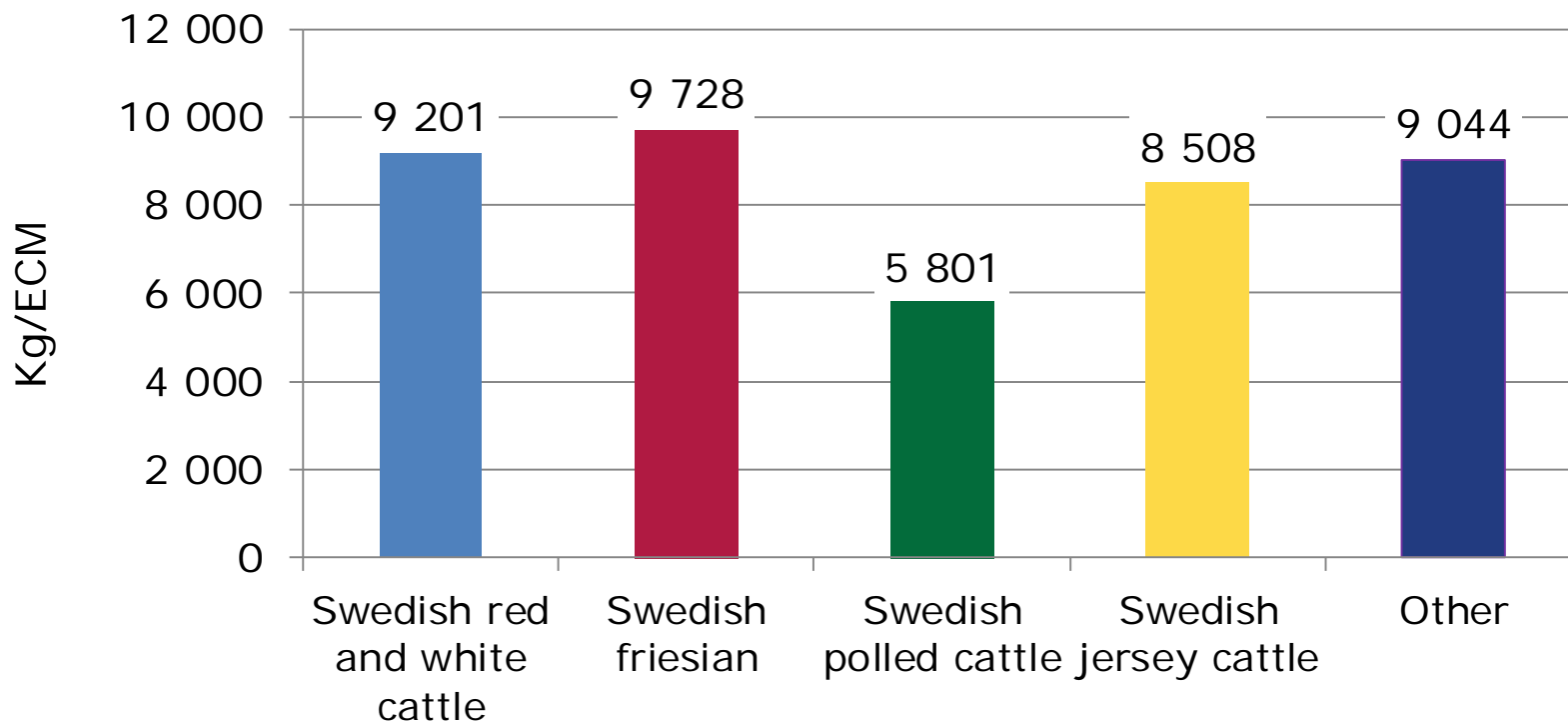


Information on housing systems is not updated for all herds and the proportion of cows in free-stalls is therefore higher than the figures indicate.

Source: Swedish Dairy Association



Average yields for different breeds 2010



Source: Swedish Dairy Association

Thank you for your attention!

