

Possibilities to get more registrations on Danish, Finnish and Swedish databases.

Long term options



What kind of measures do we want in the future?

Measures that (if possible):

- Generates standardized and objective measures across individuals
- Generates large amounts of repeated records per animal, which are crucial for more accurate genetic analysis

And also:

• Measurements that does not interfere with the farm routine activities and that requires no additional labor

This is some of the advantages of assessing temperament based on AMS information and eventually, other automatic recording systems



AMS measurements - status today

• Use of NCDX data

- Now only Lely users
- DeLaval on their way

• No. of NCDX users in the Nordic countries

- Finland: 316 Lely farms
- Iceland: 1 Lely farm
- Norway: 744 Lely farms and DeLaval have 2 pilot farms
- Sweden: Approx. 150 Lely farms
- Denmark: Approx. 200 Lely farms (have another solution but with similar information as in NCDX)



What parameters do we have today?

Milking robots

- Teat cup failure/attachment failure
 - Attachment failure more nervous cows?
- Unsuccessful milkings
 - Kick-offs during milking
 - In NCDX successive milking is registered as yes/no
- Box time/handling time in the AMS
 - A longer box time problems with kick-offs during milking?
 - A longer handling time (which is the time in the AMS when the cow is not milking) problems to attach teat cup due to nervous cows?
- Could these be combined?



Future parameters?

Cameras

- Cameras in the waiting area before milking? Around the feeding stations
- Cameras in the barn observing aggressive behaviour, dominance etc.
- GPS
 - Movements and activity measurements
- Activity measurements during milking
 - Registrations of kicking and movements in the parlour

