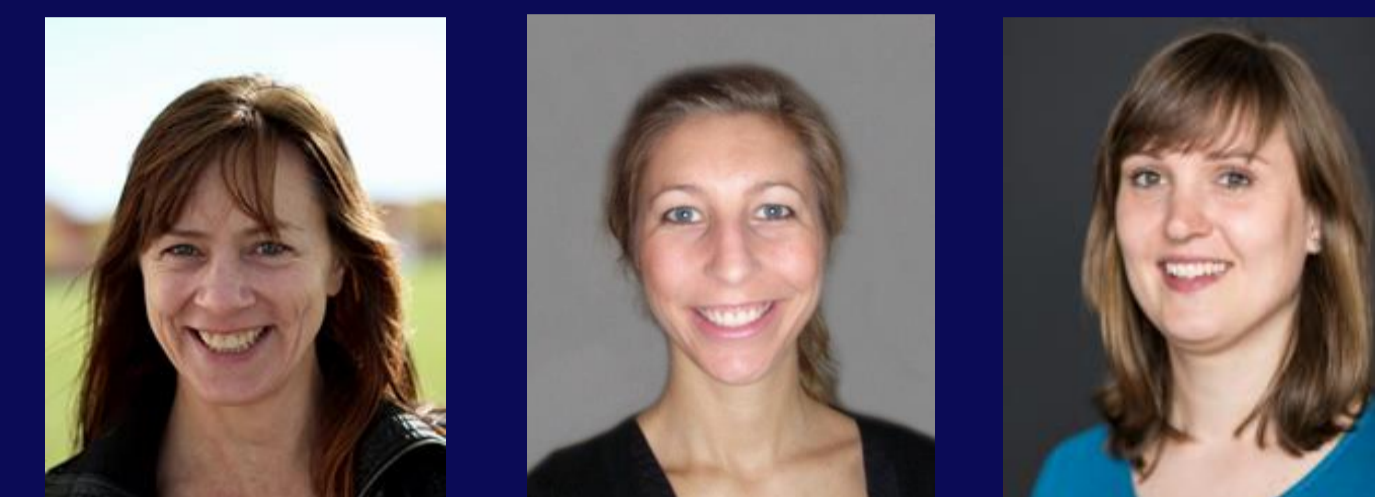# BioSecure® - a combined cattle advisory and research data collection tool

Liza Rosenbaum Nielsen, Anne Marie Michelsen and Mette Bisgaard Petersen

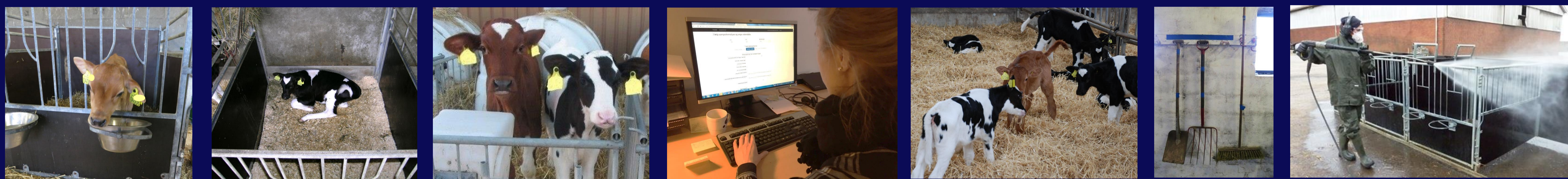Department of Veterinary and Animal Sciences, University of Copenhagen, Denmark, liza@sund.ku.dk

- ❑ Online questionnaire platform developed to be used by farmers, herd health advisors, researchers ….
- ❑ Covers biosecurity and disease prevention in newborn and milkfed dairy calves
- ❑ Extracts demography data from the Danish Cattle Database upon farmer's approved login
- ❑ Thorough and detailed questions and answer options – tested on farmers, vets and researchers
- ❑ Up to 167 questions depending on answer selection and relevance of different management practices
- ❑ Around 45 minutes to answer all questions
- ❑ Report available immediately after answering - stored in system – printable pdf

'Do you play Russian roulette with your calves?'

Most farmers would say **NO!**

Yet, random procedures in the calf barn are to blame for morbidity and mortality

SECTIONS COVERED

1. General hygiene
2. Calving area
3. Colostrum feeding
4. Colostrum quality
5. Colostrum milking and storage
6. Milk and milk replacer
7. Waste milk
8. Feeding
9. Contacts - single/dual housed calves
10. Cleaning - single/dual housed calves
11. Contacts – multiple housed calves
12. Cleaning – multiple housed calves
13. Bull calves

COLLECTION OF DATA FOR RESEARCH

- ❑ For future studies on disease control
- ❑ For future studies on farmer behaviour
- ❑ For investigation of perceptions and relation to realised management practices
- ❑ Can provide input parameters for modelling

AWARENESS + KNOWLEDGE DISSEMINATION

- ❑ For use in herd health advisory
- ❑ Mandatory for Danish veterinarians to discuss biosecurity with cattle farmers annually
- ❑ In farming schools, colleges, university teaching etc.