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Webinar

Validation and use of sensor outputs for recording animal behavior

22nd April 2020

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Organising centre
Aarhus University (Denmark)

Type of training
Webinar

Target participants
Scientists, RI technicians, Master students, PhD students, stakeholders

Training objectives
After the training session, the trainee will be able to:

• Understand the protocol for validation of sensor output developed in SmartCow

• Develop a protocol for validation of a specific sensor for automatic recording of behaviour

• Understand the technical, biological and ethical limits and pitfalls in the use of sensor output to estimate cattle behaviour

Prerequisite skills
Basic knowledge on cow behaviour and statistical methods for validation

Programme
Lectures about validation and use of sensors to measure behaviour
Overview of different types of sensors and different types of behaviour
What does the sensor measure?
Lectures on how to validate the output from sensors recording behaviour
Data flow from cow (sensor) to database including pitfalls in data transfer, sensor-computer-database – pc for analysis

Pedagogical approach
Lectures and study cases for reflection

Trainers
Guilherme A. Franchi and Lene Munksgaard (AU)

Duration
4 hours of webinar + 1 hour of personal work

Date and schedule of course
22nd April 2020
- 9:00 to 11:00 UTC: webinar
- 11:00 to 13:00 UTC: lunchbreak to include 1 hour of individual work on case studies
- 13:00 to 15h:00 UTC: webinar

Deadline for registration
17th April 2020

Further information
Please contact Lene.munksgaard@anis.au.dk