



THE GLOBAL STANDARD  
FOR LIVESTOCK DATA

Network Guidelines Certification



IDF Standing Committee on  
Animal Health and Welfare

ICAR / IDF WORKSHOP

25 May 2023 08:30 – 13:00

# USING SENSOR DATA FOR ANIMAL HEALTH AND WELFARE IMPROVEMENT ALONG THE DAIRY VALUE CHAIN: MERITS AND REQUIREMENTS

25 May, 2023, h. 8.30 - 13.00 (Paris time)

## REGISTRATION

Participation to the webinar is upon registration at:

[https://us02web.zoom.us/webinar/register/WN\\_yzzMqM9fTb2NgSH\\_Xufd7A](https://us02web.zoom.us/webinar/register/WN_yzzMqM9fTb2NgSH_Xufd7A)

## AIMS AND SCOPE

The aim of the workshop is to explore needs and discuss requirements for the use of sensor data in the context of animal health and welfare. Stakeholders along the dairy value chain will have the opportunity to present their perspectives, interests and demands for the use of sensor data. Presentations by different experts on the use of sensor technology for various purposes such as animal welfare assessment or genetics together with success stories from different application areas should help to gain new insights, adapt successful strategies for new purposes and reveal knowledge gaps. In a joint discussion with the audience these knowledge gaps and needs by various stakeholders should be discussed, refined, and prioritized also regarding the role of the ICAR Functional Traits Working Group and the IDF Standing Committee on Animal Health and Welfare for supporting future developments..

**Please note, that the workshop does not cover issues of sensor data accessibility or retrieval itself!**





**Date: 25.5.2023 8:30 – 13.00 (Paris time)**

**Location:** ICAR Conference, Toledo/ Online

**Registration:** The workshop is free of charge for remote participants. upon registration at <https://us02web.zoom.us/j/83956871553?pwd=cStDVjhiZ20zdWJvZDRyK1h0cDlZUT09>

## AGENDA

### Programme

**08:30 – 08:35 Aim and Introduction by ICAR FTWG and IDF SCAHW**

**08:35 – 10:00 Short statements by stakeholders on their expectations, needs, and requirements of using sensor data**

- Santiago Garcia Souto (Ganadería Asunción, Spain) – Farmer's perspective
- Florian Grandl (LKV Bayern, Germany) - Perspective of a DHI organisation
- Gerben de Jong (CRV, Netherlands) – Perspective of a breeding organisation
- Francesca Malchiodi (Semex, Canada) – Perspective of an AI company
- Hen Honig (Veterinary Service, Israel) - Perspective from animal welfare label programs and certification bodies
- Ilka Klaas (DeLaval, Sweden): Needs, perspective from the manufacturer

**10:00 – 10:30 Using sensor data for measuring health and animal welfare**

- Anna Stygar (LUKE, Finland): General aspects of measuring animal health and welfare using sensor technology

**10:30 – 11:00 Coffee break**

**11:00 – 11:30 Challenges of using and integrating sensor data and suggestions for solutions**

- Jeffrey Bewley (Holstein Association, USA): Challenges of using sensor data across devices and brands
- Victor Cabrera (University of Wisconsin, USA): Challenges and possible solutions for data integration and use on dairy farms.

**11:30 – 12:15 Presentations by experts on the status quo and success stories from different domains**

- Robert Fourdraine (Dairy Records Management Systems, USA): Success stories in herd management
- Bjorg Heringstad (NMBU, Norway): Use of sensor data for breeding and genetics
- Miel Hostens (Utrecht University, Utrecht, The Netherlands) – Automated welfare monitoring across the chain – Promise or over-promising

**12:15 – 12:50 Open plenary discussion**

Open discussion with representatives from various stakeholders and manufacturer

**12:50 – 13:00 Wrap up and closing of the workshop**

**Moderators:** ICAR FT WG (Christa Egger-Danner) and IDF SCAHW (Anabel Mulet Cabero)

**Organisation:** Physical workshop with online participation via ZOOM-Meeting