



# POTENTIAL AND RECOMMENDATIONS FOR THE USE OF SENSOR DATA FOR GENETIC IMPROVEMENT PROGRAMMES

## ICAR & IDF Webinar

21<sup>st</sup> of January, 2026 15:00 – 17:00 CET

# WELCOME



THE GLOBAL STANDARD  
FOR LIVESTOCK DATA



# Information



Presentations and guidelines will be uploaded on our homepage. **Link will be shared with the participants.**



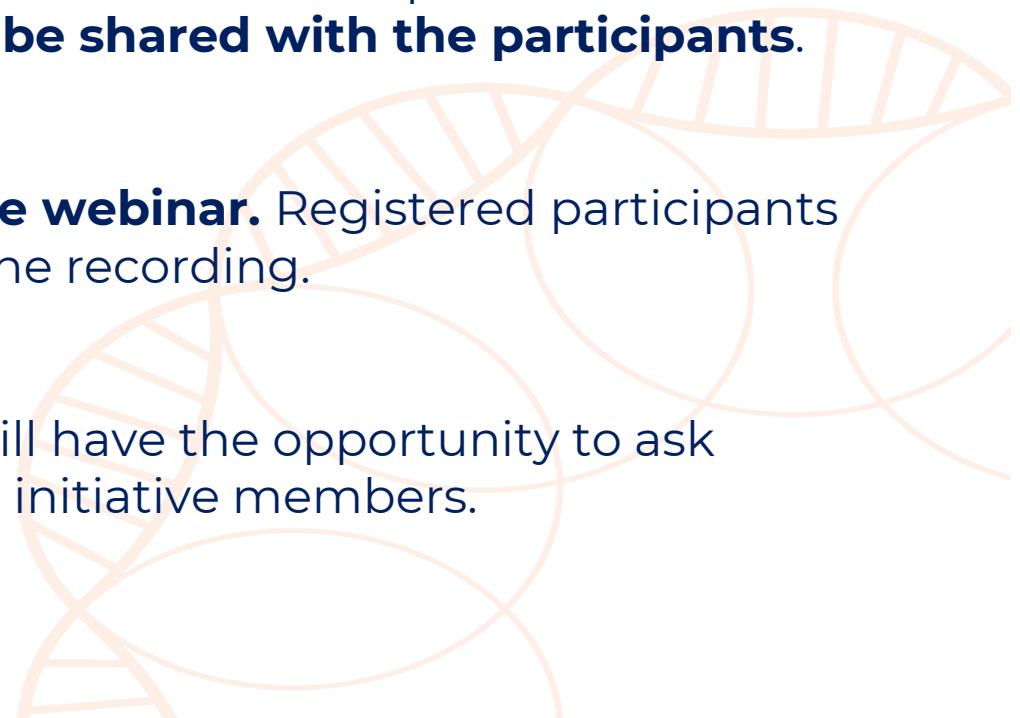
**We are recording the webinar.** Registered participants will receive a link to the recording.



**Q & A session:** You will have the opportunity to ask questions to the joint initiative members.



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# House rules



If you experience any **technical issues**, please use the **chat** or send an email to [mosconi@icar.org](mailto:mosconi@icar.org)



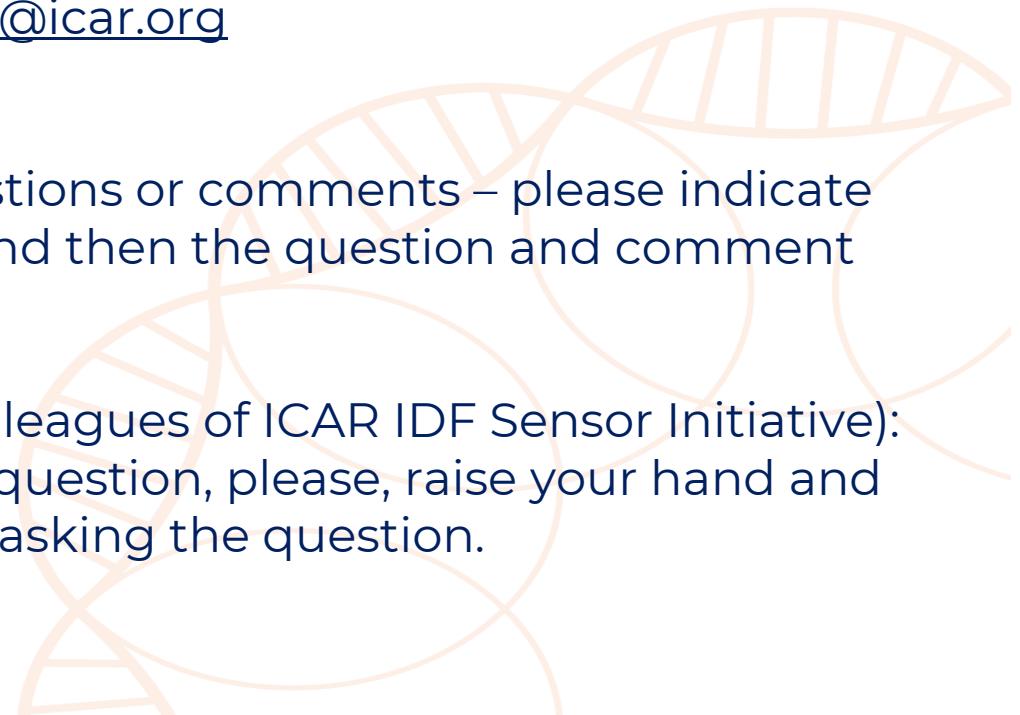
**Use Q&A feature** for questions or comments – please indicate your name, the speaker and then the question and comment



Penalists (speaker and colleagues of ICAR IDF Sensor Initiative): If you need to ask an oral question, please, raise your hand and introduce yourself before asking the question.



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**Welcome by Ana Granados  
(Director General ICAR) and  
Richard Walton (IDF Chair of  
Scientific Programme Coordination  
Committee)**

**Moderation: Ilka Klaas (IDF  
SCAHW, IDF SPCC, ICAR IDF Sensor  
Initiative)**



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## Introduction

- **AIM of the webinar:**
  - explore the potential of sensor data for use in genetics
  - present newly developed standards and recommendations
  - outline which data recommended to share
  - technical implementation of data exchange
  - exchange of experiences, feedback and discussion with key actors of the dairy value chain

**Promote further and extended use of sensor systems along the dairy value chain to increase sustainability, animal well-being and efficiency in cattle production.**

# Agenda

- **15:00 Welcome and introduction ((Ana Granados (ICAR) and Richard Walton (IDF))**
- **15:10 Using data from sensors and other technologies to enhance dairy cattle breeding programs (Luiz Brito)**
- **15:30 AMS data as a new data source for genetic evaluation of existing and new traits (Gerben de Jong)**
- **15:45 New ICAR IDF Guidelines on sensor based behaviour information for functional traits with focus on rumination / data to share (Christa Egger-Danner)**
- **16:05 ICAR ADE Working Group: technical background and standards for sharing sensor data (Robert Fourdraine and Valerija Volcic)**
- **16:20 Questions & Answers, Discussion (Ilka Klaas)**
- **16:50 Summary and next steps (Christa Egger-Danner)**



Moderator: Ilka Klaas

Using data from sensors and other technologies to enhance dairy cattle breeding programs

by **Luiz Fernando Brito**



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# AMS data as a new data source for genetic evaluation of existing and new traits

by **Gerben de Jong**



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New ICAR IDF Guidelines on sensor based behaviour information for functional traits with focus on rumination

**by Christa Egger-Danner**

Chairperson ICAR Functional Traits Working Group



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ICAR ADE Working Group: technical background and standards for sharing sensor data

**by Robert Fourdraine & Valerija Volvic**



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# Q & A



Use Q&A feature for questions or comments

Discussion

by Ilka Klaas



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# Summary and next steps by Christa Egger-Danner



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