



## Summary of ICAR AMS summit for ICAR board

October, 2023

1. Milk sample is carrier of important data. However, it is cumbersome, time consuming and costly to collect at this moment.
  - a) ICAR needs to promote the value of milk recording by explaining for which purposes milk samples are taken nowadays (e.g. milk components, check of pregnancy status, fatty acid profile etc.).
  - b) This should be supported by guidelines for determination of all these traits as far as guidelines currently not exist.
2. Manufacturers clearly support ICAR ADE standards. ICAR should encourage their members to
  - a) make use of ICAR ADE standards,
  - b) harmonise the way of giving consent by farmers for data use and
  - c) harmonise systems of taking milk samples with AMS devices as much as possible.
3. ICAR members and manufacturers should collaboratively focus on quality of data across the chain. In this collaboration, ICAR should take the initiative. This includes
  - a) setting of standards for milk recording and on-farm recording devices,
  - b) fast, cost and time efficient certification process,
  - c) standardization and harmonisation of traits measured,
  - d) development of coding system for devices to track source of data across the chain,
  - e) ICAR to communicate to manufacturers a list of traits measured by AMS and sensor devices needed for milk recording and breeding purposes.
4. Strategic cooperation with other organisations to prepare for the future.
  - a) With organisations of strategic importance for dairy processing and data (like IDF).
  - b) What will be the business model of milk recording organisations in the future (participants asking these questions after the meeting).
  - c) How can we keep track of data quality of all recording devices in the market nowadays? What are the needs of ICAR and what is acceptable for manufacturers?
  - d) This topic must always be regarded from the farmers perspective.



**Concluded on the summit, we propose to focus on the following topics:**

1. Strategic cooperation with other organisations to prepare for the future (like IDF).
2. ICAR should develop a strategy on the business model for milk recording organisations for AMS herds.
3. ICAR should promote the value of milk recording by explaining for which purposes milk samples are taken nowadays.
4. ICAR should strongly encourage their members to make use of ICAR ADE standards, harmonised way of giving consent by farmers and harmonise the different systems of taking milk samples with AMS devices as much as possible.
5. ICAR should actively work on standardization and harmonization of traits measured by AMS and sensors and on a universal device coding system.
6. ICAR should communicate to AMS manufacturers a list of traits measured by AMS devices needed for milk recording and breeding purposes.

The organizing committee of the ICAR AMS summit,

- Kees de Koning (member of ICAR Measuring, Recording and Sampling Devices Sub-Committee and head of the Dutch ICAR test centre),
- Uffe Lauritsen (moderator of summit),
- René van der Linde (ICAR Technical Projects Coordinator), and
- Steven Sievert (chair of ICAR Measuring, Recording and Sampling Devices Sub-Committee).