

Short introduction

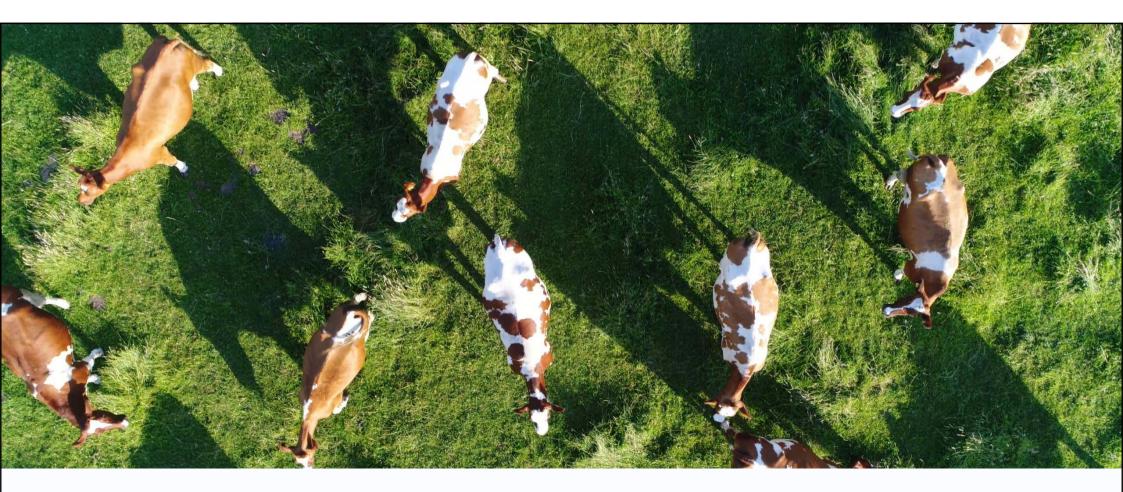
Jasper van der Noord Born in the province Friesland, The Netherlands Since 2010 living in Lisbon, Portugal Married, 2 children

Working for UNIFORM-Agri since 2006 Started at support Currently product manager



From childhood on always been intested in the dairy industry. Studied animal husbandry and agribusiness at Van Hall Lareinstein in The Netherlands





Mission statement UNIFORM-Agri

To support dairy farmers and their suppliers worldwide with the best and most user-friendly software solutions that helps to build a profitable and sustainable business. We want our herd management software to help produce food in a more efficient way, which is key to be able to feed the growing population.



UNIFORM-Agri

Herd management software for dairy farmers

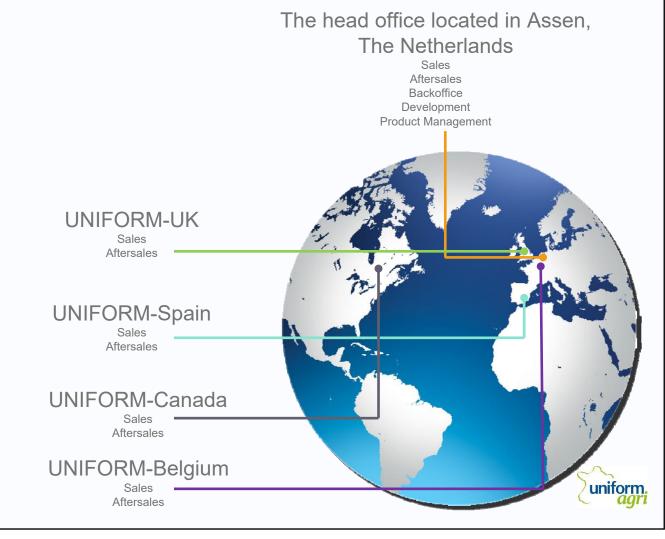
Established in 1986

> 80 people (13 Nationalities)

5 entities

>15,000 active users

Since 2013 part of the DeLaval Holding



Linking on farm automation

Sensors, milking robots, parlors, scales, sorting gates & concentrate











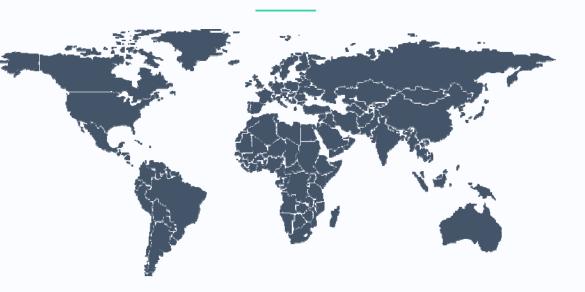


... and others

National interfaces

More than 100 different interfaces in over 20 countries

- ➤ Australia
- > Austria
- > Belgium
- ➤ Brazil
- ➤ Canada
- ➤ Czech Republic
- > Denmark
- > France
- ➤ Germany
- > Hungary
- > Italy



- ➤ Luxemburg
- ➤ Portugal
- > Russia
- > Spain
- > Sweden
- > Netherlands
- > Northern Ireland
- ➤ Norway
- ➤ Ukraine
- ➤ United Kingdom
- ➤ United States



National database

Quality control

Dairy factories

...and new links are being developed as we



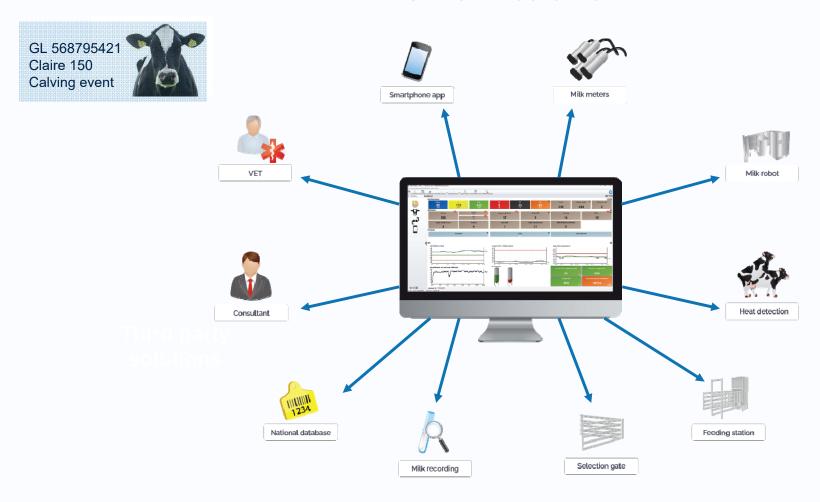
New sensor systems who approached us



Not all these systems were familiar with the ICAR ADE. We placed ICAR ADE in the picture.



On farm data flow





History of interfacing

- UNIFORM-Agri developed the first interface with a milking system in 1987
- In 1998 the first standardisation started.



TAURUS Standard Interface

(Cooperation between Wageningen University and herd management programs)

- •Management computer Process computer
- Dairy farming
- •Year 1998 and still used
- •File based, ADIS format (AGRICULTURAL DATA INTERCHANGE SYNTAX)



New sensor systems are asked to use the ICAR ADE standard

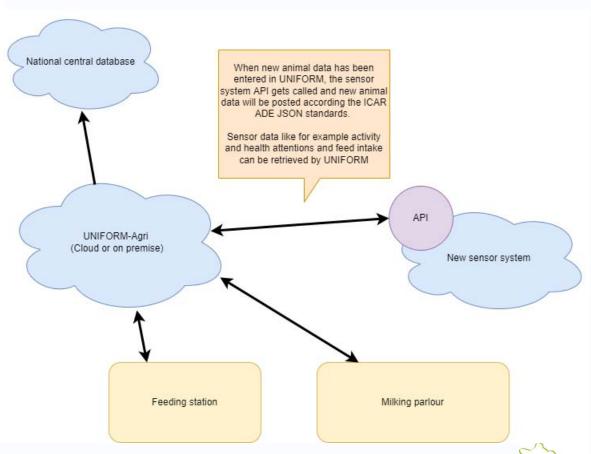
- Phase 1 is a one direction interface from the UNIFORM program to the new sensor system
- · First we discuss which items can be exchanged
- Then we direct them to te ICAR github and explain that the data that will be exchanged has to be according the ICAR ADE JSON standards https://github.com/adewg/ICAR
- The other party developes an API based on this.
- The UNIFORM program connects to the API and the data exchange can start. Each individual herd has her own authorisation and identification
- Reasons why we start with a one-way data data exchange in the beginning:
 - New sensor system development might still change/to be finetuned
 - The animal data that goes from the UNIFORM program to the sensor system is rather stable, so probably no big changes expected from the sensor system side.
 - Priority one is reduce the administrative tasks of the farmer, data only has to be entered once! No double entry, no mistakes!





Schematic







Software for dairy farmers

www.uniform-agri.com