Session
Data Governance:
How do Organizations deal with
Stewardship of Farmer Data?

Title
dataHUB 360°: The high-speed data exchange solution for dairy farming.

Author(s)
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Summary

Context

New architecture in the Cloud

New solution to Exchange data

Challenge for the service provider (MRO)
Context
Challenge to follow the farmer with the news technologie for the MRO

Farming Automation

New generation of the breeder

More data every day
New architecture in the Cloud
New architecture in the Cloud

API: more connected to share information
New solution to exchange data
New solution to exchange data

DataHUB

Centralized monitoring of data exchanges with decentralized storage per company

Ease of use by remote setting and updating

Secure exchanges, informed consent from the breeder, high availability of the platform

Extension of the scope of data exchanged VS Ori-Automate
New solution to exchange data

Exchange data with the Cloud Manufacturer

Batch for each API

Exchange data with Local converter (PC breeder)

WebService Import/Export

WebService Exchange data with MRO

MRO or dataBASE
dataHUB 360° Solution

Platform
- High speed data Exchange
- Multi-platform
- Bidirectional

Manufacturer
- API: Lely /Medria (SenseHUB in Progress)
- Local Converter: DeLaval / GEA / Boumatic / SAC / AfisFarm
- Adapt each interface

Monitoring dataFLOW
- History Import data
- Detection of faulty connected automate

DataFlow:
- Import data
  Initialisation
  Synchronisation
- Export data
  One time by day

Every 5 minutes
- Import data
- Export data
- Initialisation
- Synchronisation
About the project in France

- Started in September 2018
- Operationnal in September 2019
- 42 MRO connected

Farm Connected

- 4078 automate connected
- 1600 with local converter
- 1100 API Lely
- 1200 API Medria

Data transfered

- Import: 670 K files
- Init: 1200 farm initialised
- Export: 790k files
Some screens of the solution
Challenge for the service provider (MRO)
<table>
<thead>
<tr>
<th>For the breeder</th>
<th>For MRO</th>
<th>Next step</th>
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<tbody>
<tr>
<td>• Avoid double entries</td>
<td>• Use the data of breeder sensor</td>
<td>• Export more data, feed, health,…</td>
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<tr>
<td>• Connected in real time</td>
<td>• Milk qualification</td>
<td>• Développement news tools</td>
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<td>• Use the potential of software mangaement</td>
<td>• Monitoring the milk meter</td>
<td>• Link to goat and beef breeder</td>
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<td>• Follow during new installation</td>
<td>• Autamatisation of milk performance</td>
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