



**Session**

## Milk Recording Workshop: Modern Tools for Milk Recording Management

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**Title**

**Innovation and digitalisation.  
Towards automation of data collection.**

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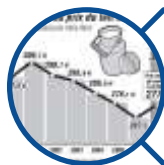
**Author(s)**

G. Augier / D. Saunier (France Conseil Elevage)

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# Milk recording in France



## Distribution of protocol in France

A = 47,7%      -    AT et CZ = 27,6%  
 AR/BR = 13,0%    -    B by the breeder = 11,7%



## Market share

61% of breeders – 64% of cows – 78% of milk production



32 798 breeders in milk performance



300 000 qualified cows for robot, with 70% in BR



## A major challenge to take up

What solutions have been provided to modernize and innovate milk recording according to the type of farmer installation?



Computerization in the milking parlour



Monitoring for the milking parlour



Automation of data collection with Milking Robot





## Computerization in the milking parlour



milking parlour  
Computerization in the



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## Computerization in the milking parlour

Load farm  
& Select  
analyses

Entry data  
on the PDA

Write the tag  
RFID sample

Benefit for the breeder

Customization of the  
service, advice in the  
choice of analyses

Benefit during milking

Time saving, working  
comfort, breeder  
accessibility

Benefit for the process

Sample Traceability  
and error reduction

IN THE FARM



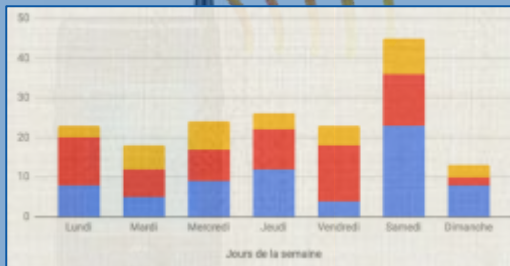
## Computerization in the milking parlour

Data  
Transfert

Sorting and  
analyses

Processing  
and sending

Forecast of laboratory  
inputs



IN THE FARM

Resource optimization  
and analysis



AFTER MILK RECORDING

Deadline for return of  
results:

Gain of at least 1 day  
on average (from 3 to  
2 days) at the France  
level



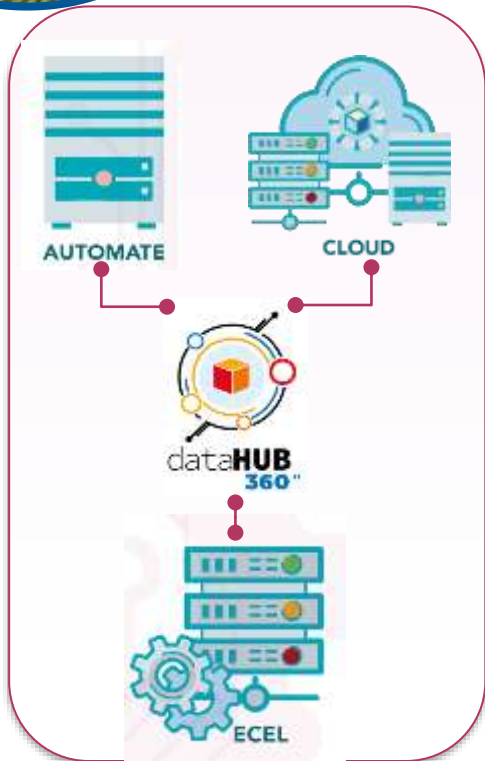
## Monitoring for the milking parlour



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## DataHUB

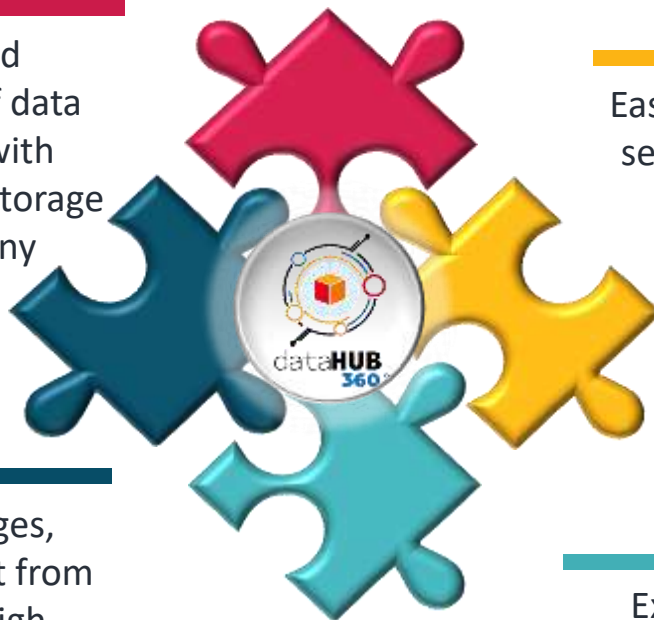


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Centralized monitoring of data exchanges with decentralized storage per company

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Ease of use by remote setting and updating



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

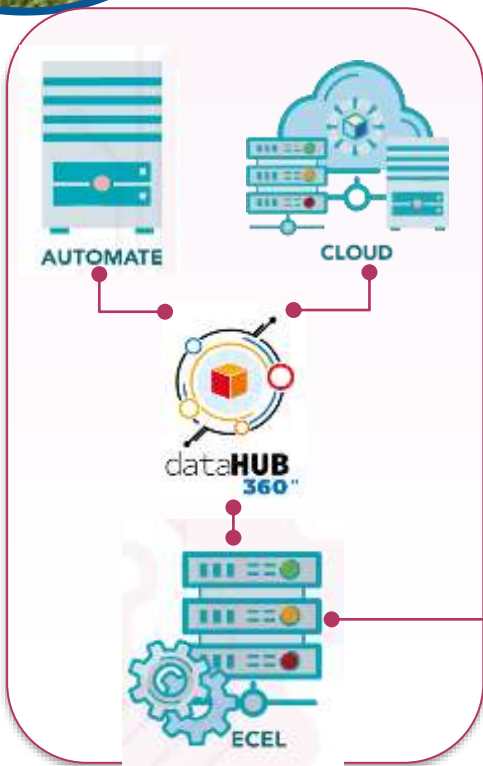
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Extension of the scope of data exchanged VS Ori-Automate





## Interconnecting data to provide innovative services to breeders



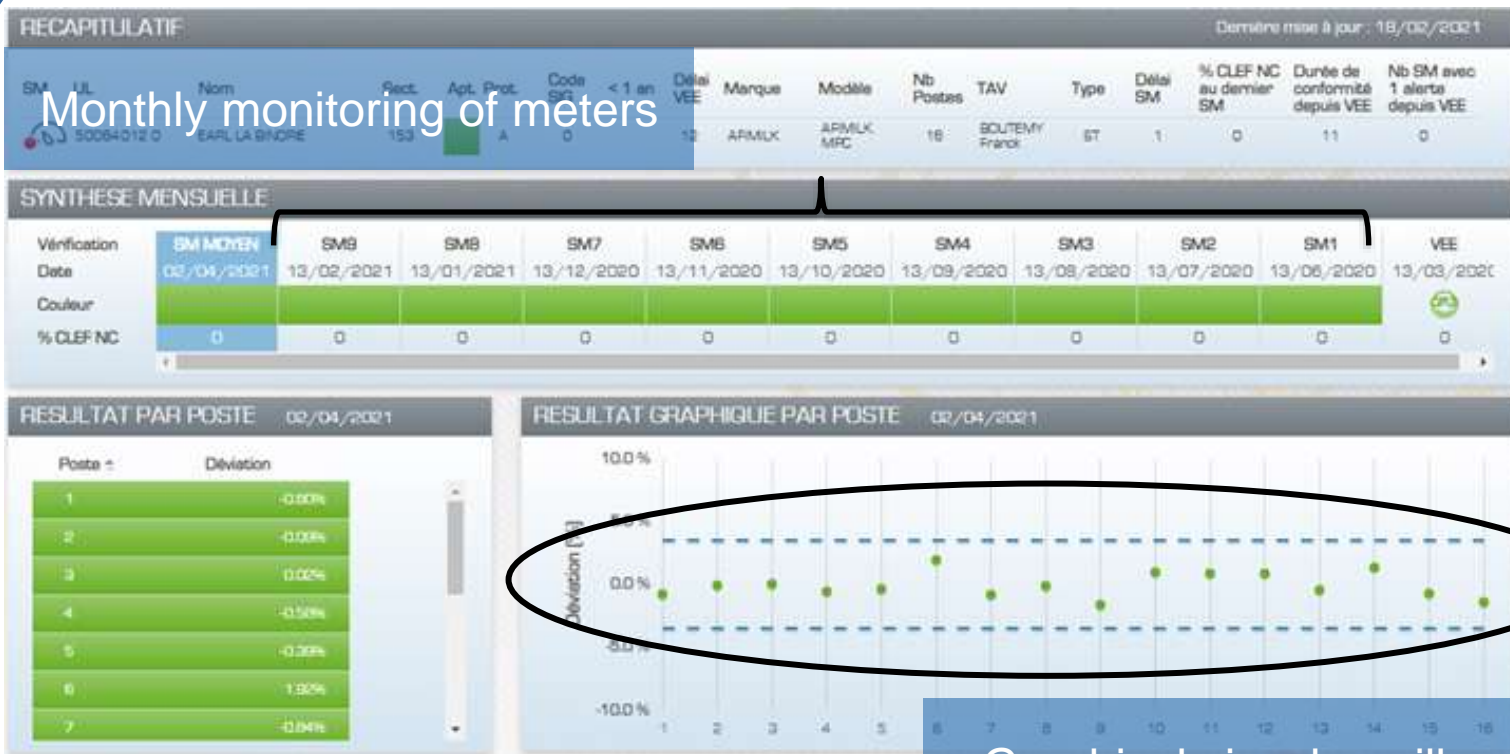
Milk meter Monitoring





## Monitoring for the milking parlour

Monthly monitoring of meters



Graphical view by milk meter



## Automation of data collection with Milking Robot



with Milking Robot

Automation of data collection



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# Automation of data collection with Milking Robot

ROBUSTNESS



5 models from 20 to 132 samples



Universal sampler for all robot

ICAR agreement

MOBILITY



Worldwide distribution



LIGHTNESS

1350 Ori-Collector® sold

Sale provided by ICOMATEL - FCEL

Certification ISO9001

SIMPLICITY



COMATEL

UNIVERSALITY

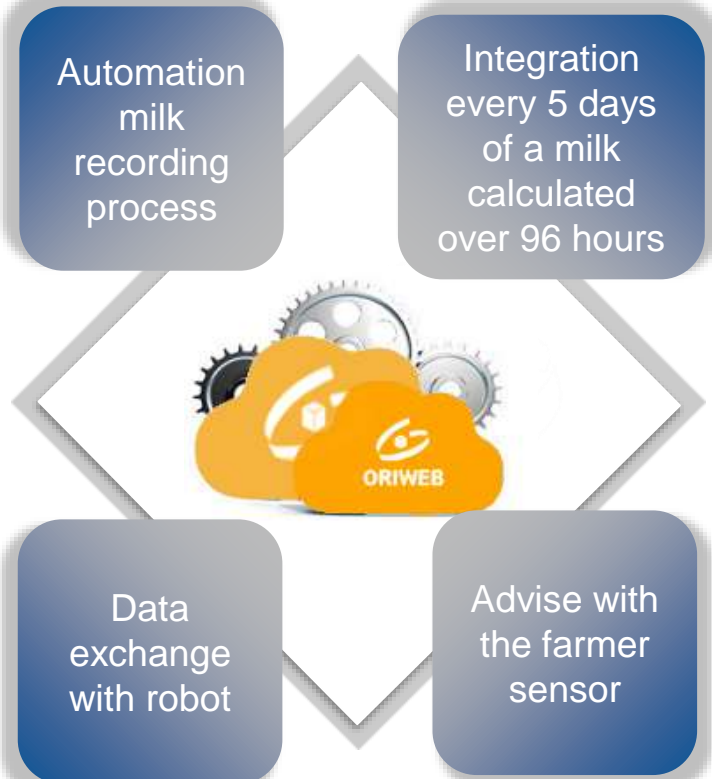
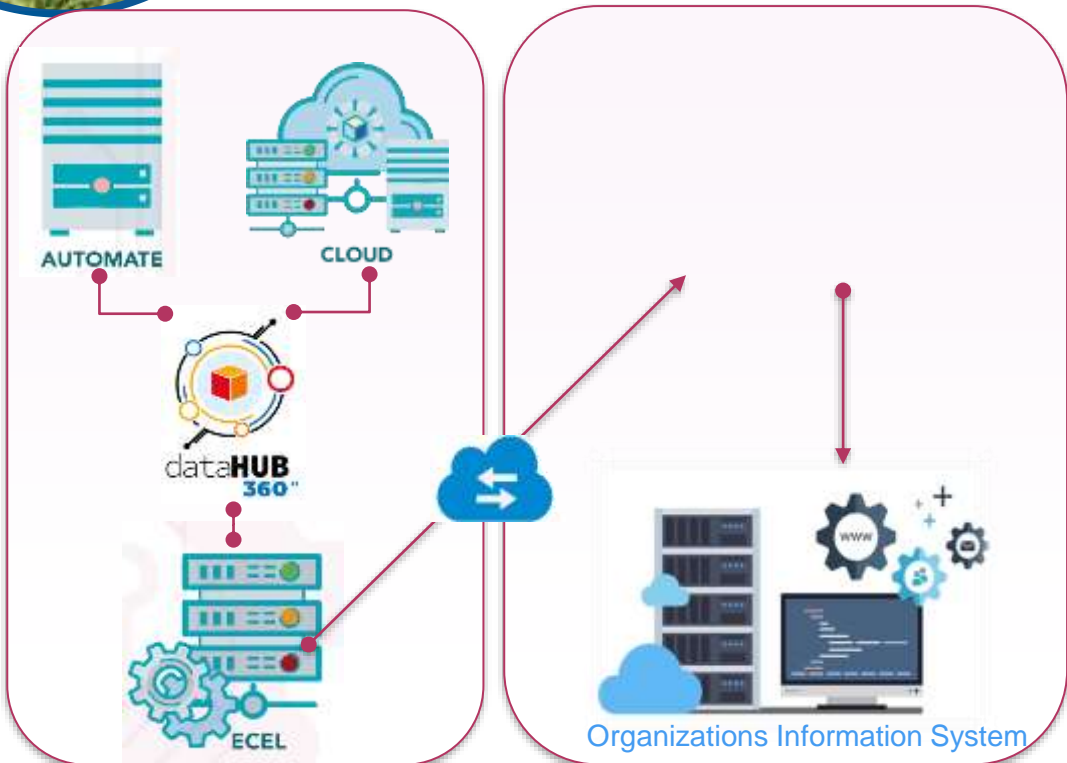


EASE





# Automation of data collection with Milking Robot





## Conclusion



Conclusion



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## Conclusion



### Benefit for the breeder

- More service & advise
- Follow the demand
- Start to use the sensor data



### Side Milk recording

- More efficiency, traceability , reactivity
- Automation of data collection
- Customise the service



### Go to the future

- Sensors will become a source of data for genetics
- It's up to us to guarantee the reliability of the sensors, to ensure their interconnections and to ensure the global monitoring

THANK  
YOU  
GRACIAS  
ARIGATO  
SHUKURIA  
BOLZIN  
MERCII  
BIYAN  
SHUKURIA  
TENGAI  
TASHAKKUR ATU  
SUKSAMATA  
MEMRIBANI  
GRAZIE  
GODAMASHITA  
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