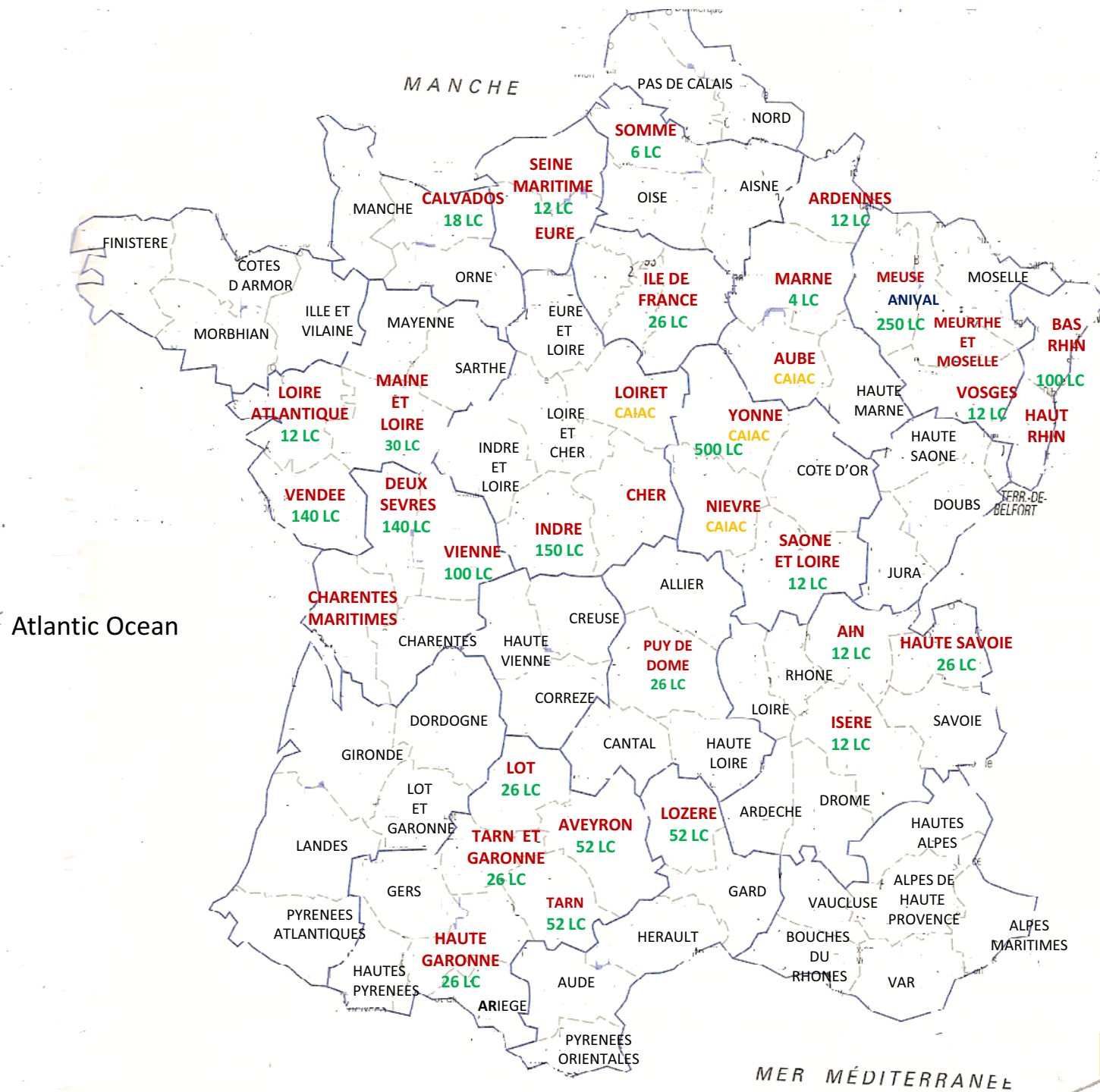


## LACTOCORDER in FRANCE



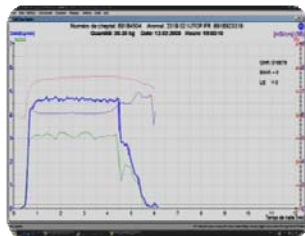
FRANCE  
**CONSEIL ÉLEVAGE**





## WMB in FRANCE

- More than 2000 LactoCorders in use,
- 10 years of experience on the national territory,
- 28 MROs users in the milk recording and technical consulting (milking, milk quality ...),
  - 70 % milk recording of cows
  - 25 % milk recording of goats
  - 5 % milking assistance



# Application





The milk recording of cows will become more and more problematic at livestock farming.





Regardless of  
the breeding  
the species  
and the size of the herd,



**the DHIA must be able to grant  
the relation.**





Remains to ensure the automatic location  
of the animals

## 2 POSSIBILITIES



# The electronic Anklet

The breeder ensures the identification  
before or during the milking



of the milking unit

by reading of the electronic  
identifier

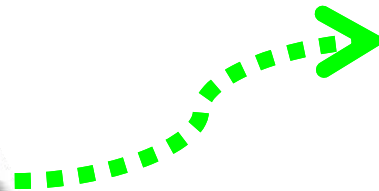


of the animal



# The milking

The commander transfers the information to the respective LactoCorder



all this by a simple impulse « start »

## Application of the electronic identifier at the ear (earmark)



This solution is an innovation 2010  
developed in cooperation with l'EDE  
d'Ille and Vilaine and the company AGID

## An antenna to read électronique Identifiers at the ear



Collective at the  
entrance of each place



Individual above each  
emplacement in the milking  
parlor



This antenna is fixed and is owned by the  
breeder

# Collection of information

**1** Each animal is identified at the entry of its place



Or above the head



**2**

The information are transferred to The PC

1	5172	6	2558	1	2330	6	2218
2	2561	7	2515	2	2446	7	5064
3	2364	8	3053	3	2477	8	4712
4	4720	9	8583	4	2420		
5	2573			5	8201		



## Data transfer to the LactoCorders

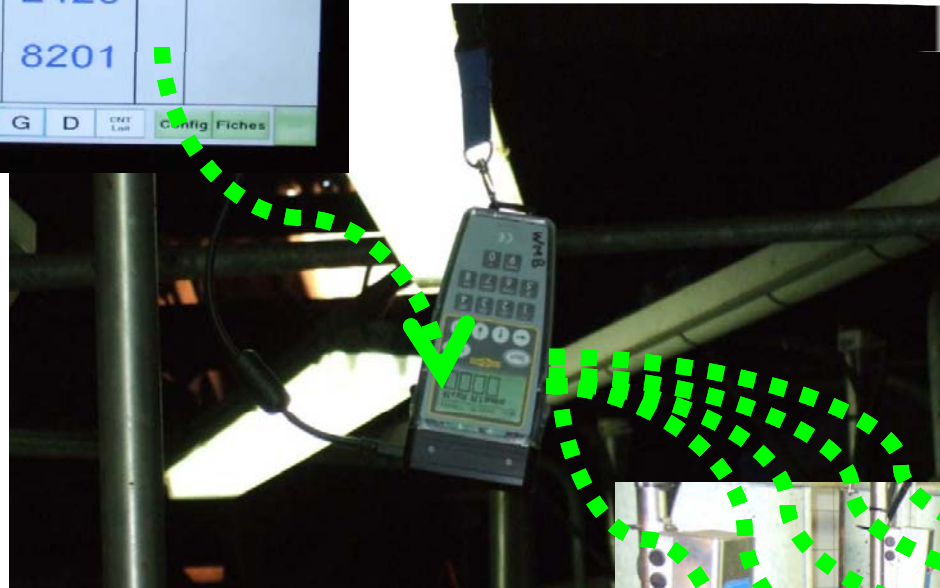
**WMB**

A RTES V4.1							
1	5172	6	2558	1	2330	6	2218
2	2561	7	2515	2	2446	7	5064
3	2364	8	3053	3	2477	8	4712
4	4720	9	8583	4	2420		
5	2573			5	8201		

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**3**

After all animals are identified, the PC transfers data to a Commander placed in the centre of the parlor.



The Commander disseminates the identification to each LactoCorder by « radio frequency ».

**4**

**LACTOCORDER**



**All this is made without any intervention.  
The operator has nothing to do than to change the  
samples.**



1	5172	6	2558	1	2330	6	2218
2	2561	7	2515	2	2446	7	5064
3	2364	8	3053	3	2477	8	4712
4	4720	9	8583	4	2420		
5	2573			5	8201		



# Application



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# ELECTRONIC IDENTIFICATION

Each animal carries two official identifiers, one of them has an electronic tag



either at the ear

1	5172	6	2558	1	2330	6	2218
2	2561	7	2515	2	2446	7	5064
3	2364	8	3053	3	2477	8	4712
4	4720	9	8583	4	2420		
5	2573			5	8201		



or an anklet at the leg



LACTOCORDER

## STATEMENT AND CONCLUSION

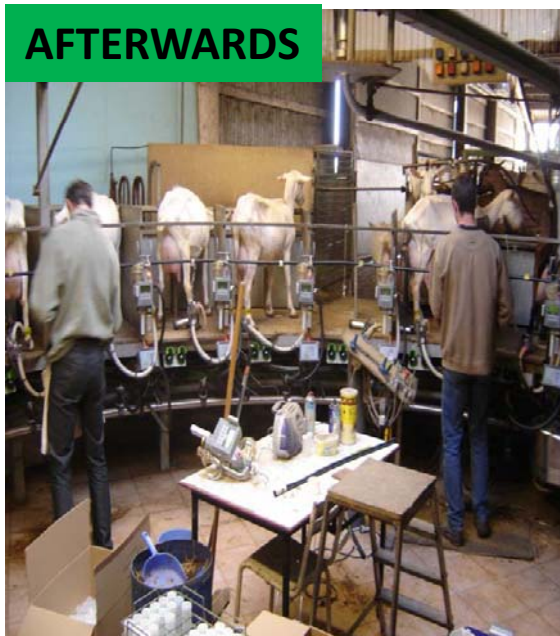


**BEFORE**

A considerable risk of errors because of the cadence of milking and the number of operators.

Bad perturbation in the milking parlor which stopped the milk recording in big farms.

Difficulty in finding weighting agents in this field. The organization of this control required an extreme attention on behalf of each participant.



**AFTERWARDS**

Only a single operator is necessary for the milk recording.

Respect of the cadences of milking.

Milking more quiet because of less people in the pit.

Risks of error and confusion impossible due to the automatic identification of the animal and the flask by RFID.







The responsible persons of the milk recording of sheep are confronted with two technical constraints:



- the material currently used is no more adapted to the cadences of milking imposed by the breeders (sampling, identification ...)
- the existing sample flasks are not manufactured any more and are at their end of life.

To survive, it is necessary to find a solution...

The development and the adaptations carried out by WMB for goats milking have promptly alerted the representatives of the DHIA of sheep.



After some tests and visits at AVEYRON, WMB decided to take up this challenge.

This new experiment is a big challenge launched by the originators of LactoCorder.

Indeed, we are in the presence of very low instantaneous flows with a milk extremely rich in fat contents. Thus flows difficult to measure because of their instability.

Moreover, the cadences of milking and the job management differ compared to the ones of goats. For this reason it is necessary to realise other material and data-processing adaptations.



WMB has proven that the LactoCorder could be an excellent solution for milk recording (organisation, cost....) today and tomorrow.

This new experiment will be a further proof of the precision the LactoCorder has.

After the **COWS**, goats and sheeps, how far could we go in term of accuracy?

