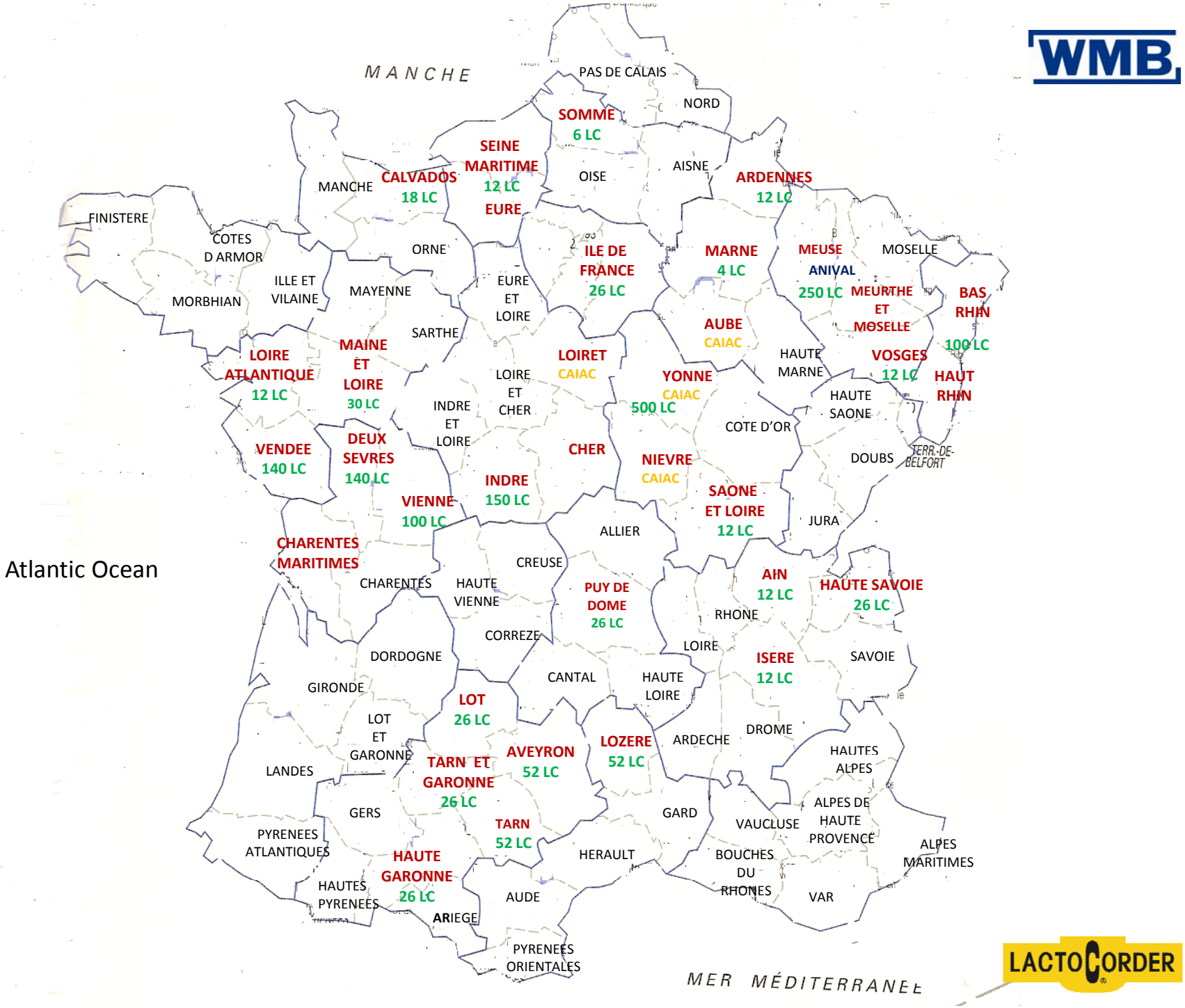
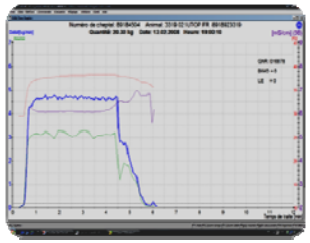
LACTOCORDER in FRANCE

FRANCE
CONSEIL ÉLEVAGE



Atlantic Ocean

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

CATTLE

LACTOCORDER

WMB

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

LACTOCORDER

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 »

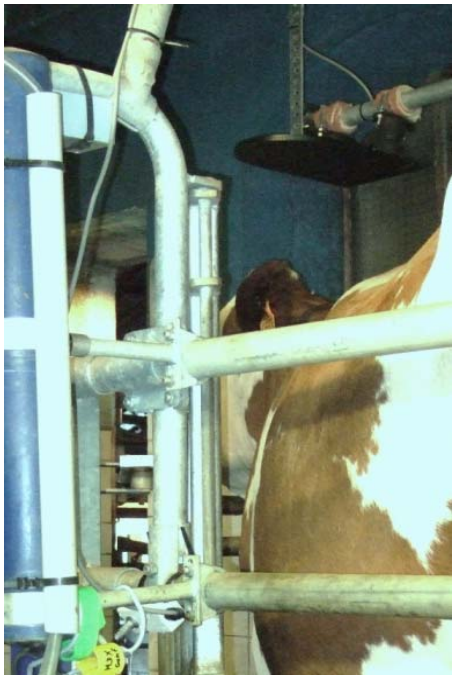
Application of the electronic identifier at the ear (earmark)

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

An antenna to read électronic Identifiers at the ear

Collective at the entrance of each place

Individual above each emplacement in the milking parlor



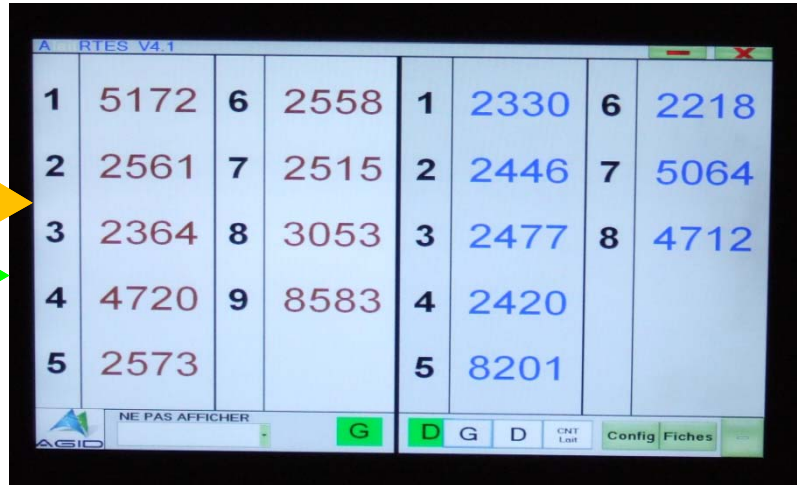
This antenna is fixed and is owned by the breeder

Collection of information

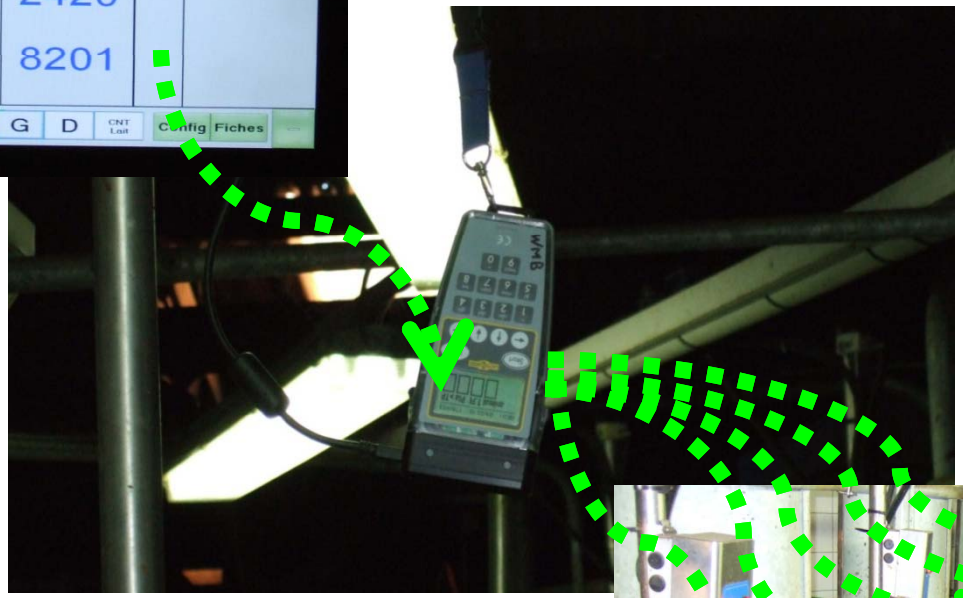
1 Each animal is identified at the entry of its place

Or above the head

2 The information are transfered to The PC



Data tranfer to the LactoCorders



3

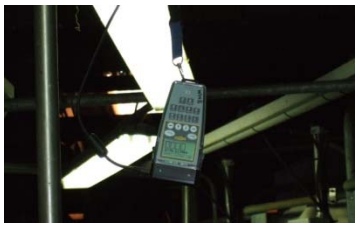
After all animals are identified, the PC transfers data to a Commander placed in the centre of the parlor.

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

4

All this is made without any intervention.

The operator has nothing to do than to change the samples.



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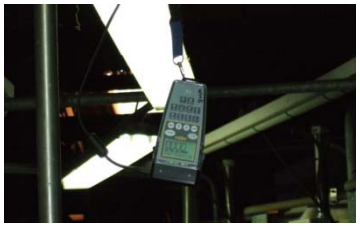
Application

GOATS

ELECTRONIC IDENTIFICATION

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

either at the ear



or an anklet at the leg

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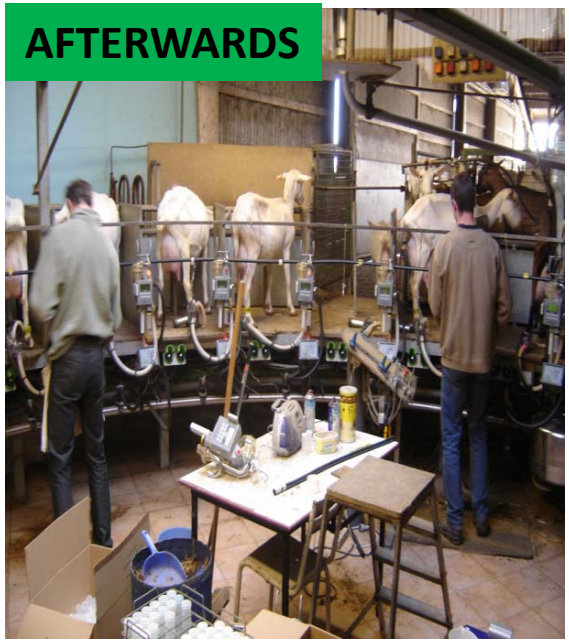
STATEMENT AND CONCLUSION

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.



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.

Projects

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 manufactered 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?

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