

## THE AREA OF APPLICATION\* OF THE FGE QUALITY MANAGEMENT SYSTEM

In partnership with breeders, and with the combined resources of 7000 technicians, consultants or agents, 700 engineers and supervisors, these approximately 240 organisations (EdE, ECEL, OBC, ES, EMP, ARSOE, Institut de l'Elevage, INRA...) ensure quality in the following activities :

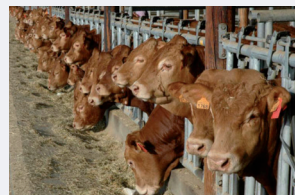
- cattle, sheep and goat identification
- parentage certification for beef and dairy cattle
- performance recording for beef and dairy cattle
- genetic evaluation for dairy cattle
- the management of the collective Information System.

\*As of August 2013

## A SYSTEM FOR ONGOING PROGRESS

- **Governance**  
The combined objectives and measures are defined at the collective level and validated by the political authorities of FGE.
- **Professions**  
The implementation of the professional frames of reference ensures quality of products and services. The processes undergo detailed analysis during process reviews.
- **Monitoring**  
Internal audits carried out at organisation level as well as FGE level provide the means to check compliance with contracts and process efficiency.
- **Improvement**  
Any anomalies, complaints or non-compliance detected result in corrective or preventive action.

The annual management review analyses all the data and results from the FGE Quality Management System. This enables a periodical redefinition of policy and quality objectives.



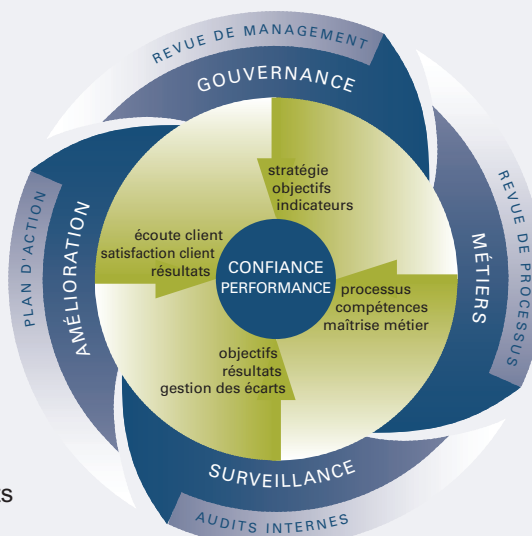
## MANAGING THE QUALITY MANAGEMENT SYSTEM (QMS) OF FGE

The Quality organisation of FGE is based on Quality Management principles and on the requirements of the ISO 9001 standard. The documentation system is managed :

- by FGE, for general processes and procedures
- at the level of each organisation involved for particular procedures and the management of recordings.

General procedures include the QMS management procedures required by the ISO 9001 standard :

- the management of documents and recordings
- the handling of non-compliances and complaints
- corrective and preventive action
- internal audits.



QUALITY NETWORK:  
150 Quality correspondents  
40 auditors  
1 collaborative/professional interface  
82 audits in 2012



DOMINIQUE DAVY  
FGE PRESIDENT

## OUR QUALITY POLICY

Our collective Quality Management System provides the means to continuously steer and improve France's genetic programme (Dispositif Génétique Français) and guarantees a continuing high level of reliability and recognition in France, in Europe and internationally.

Reaffirm our VALUES...

- guarantee the successful management of animal genetics by and for the breeders
- strive for consensus in interprofessional decision-making
- pool resources between regions, breeds and species, and between professions and companies
- respect the entrepreneurial freedom of companies within the programme while honouring the breeders' interests and the sustainability of FGE.

...and to establish our OBJECTIVES

- guarantee at all times the quality of data and results as well as the reliability of products originating from the collective programme
- integrate technological developments into the professional frames of reference in conjunction with research
- maintain and promote our organisation's reputation for quality
- improve the quality of services to breeders and increase client satisfaction levels.

These objectives are deployed in the processes, monitored by indicators, and followed up during the process reviews and the management review.

« In order to succeed, we need the efforts and involvement of all to harvest the power of a network: our network »



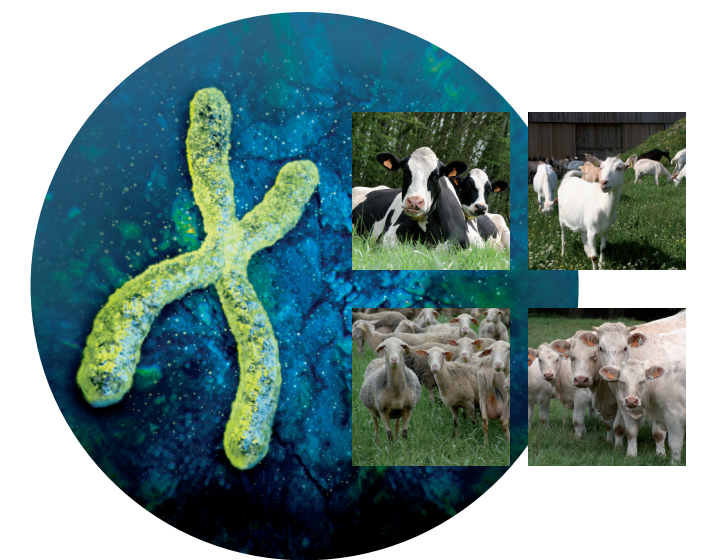
This Quality Management System has already gained official recognition at international level for all activities concerning cattle breeds: further proof of the reliability of the FGE system's procedures, which guarantee reliable data and high quality genetic evaluations.

FGE RENEWED IN 2013 THE ICAR  
( INTERNATIONAL COMMITTEE FOR ANIMAL RECORDING ) CERTIFICATE OF QUALITY



FGE member of the International Committee for Animal Recording (ICAR) and Interbull

FGE : national interprofessional body for the genetic improvement of ruminants  
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## FRANCE GÉNÉTIQUE ÉLEVAGE AND ITS QUALITY MANAGEMENT SYSTEM

A collective organisation working for the goal of genetic progress in livestock professions

Cattle, Sheep and Goat Identification  
Parentage Certification of Cattle  
Performance Recording of Cattle  
Genetic Evaluation of Cattle  
Information Systems



## France Génétique Elevage : the national interprofessional body for the genetic improvement of ruminants

FGE resulted from the determination of French livestock farmers to manage the genetics of their animals while maintaining breed diversity. FGE plays a role in the organisation and development of genetic progress. FGE defines methods and criteria, manages the national systems of genetic information and ensures communication not only towards the general public and French authorities, but also with European and international bodies.

FGE is an association governed by the law of 1st July 1901 which has the status of Interprofessional recognised by the State (6th October 2006).



## GENERAL ORGANISATION OF THE FGE QUALITY

## MANAGEMENT SYSTEM

## A POWERFUL AND STRUCTURED ORGANISATION

## 240 ORGANISATIONS WORKING UNDER A SINGLE QMS

- More than 200 organisations or companies contract part of their various complementary activities under a single QMS

- The Contract into the QMS commits each organisation to operate according to a professional frame of reference as well as to a number of processes, with the aim of achieving ongoing progress in relation to the user and/or client.

- The Principals of Trust and Responsibility are applicable to organisations of an «incumbent» nature  
Therefore any organisation that contracts with FGE carries out internally the steps needed to respect the requirements mentioned in the contract :
  - the organisation conducts its own diagnosis and develops its plan of action
  - the necessary actions are implemented
  - compliance with the contract requirements is then declared.

This declaration is based on the recommendations of the ISO 17050 standard and the organisation is thereby liable to FGE.

## COLLECTIVE MANAGEMENT BY PROFESSIONALS

## THE STRENGTH OF AN INNOVATIVE QUALITY ORGANISATION

- The Board: establishes strategy and Quality policy.
- The Executive Committee: is responsible for resource management, policy monitoring and planning for the QMS.
- Commissions by sector: ensure the validation of improvements and major developments arising from process reviews concerning process efficiency or products, in relation to client requirements.
- The QMS Commission, by delegation of the Board: is responsible for the overall direction of the QMS and carries out the Management Review.
- The Quality Management Group: prepares decision-making and is responsible for internal and external communication, QMS planning and audit programmes.



CONSEIL  
Président  
Secrétaire Général

COMITÉ DE DIRECTION

COMMISSIONS PAR FILIÈRE



COMMISSIONS TRANSVERSALES



ARSOE : Association Régionale de Services aux Organismes d'Élevage (regional association of services to livestock organisations)  
EdE : Etablissement de l'Élevage (livestock FGE : France Génétique Elevage)  
Idele : Institut de l'Élevage (livestock institute)  
DGEP : Génétique et Phénotypes (genetics and phenotypes)  
DSI : Système d'Information en Élevage (livestock information system)  
INRA - DGA : Institut National de la Recherche Agronomique - Département Génétique Animale (national institute for agronomical research - department of animal genetics)  
ECEL : Entreprises Conseil Élevage (livestock consultation company)  
OBC : Organisme Bovins Croissance (performance recording)  
SMQ : Système de Management de la Qualité (Quality Management System)

QUALITY MANAGEMENT SYSTEM

## PARTICIPANTS



MANAGEMENT  
3 processes

INRA - DGA

Idele - DGEP

ES

EMP

ECEL - OBC

EdE

ARSOE

INRA - DGA

Idele - DGEP - DSI

GENETIC EVALUATION FOR CATTLE

9 processes

PARENTAGE

Certification of the parentage of cattle

62 EdE

MEAT AND MILK PERFORMANCE RECORDING

Meat Performance Recording

65 OBC

Verification of measuring equipment

Preparation and implementation of Milk Performance Recording

62 ECEL

Milk Analysis Processing and sending of data to central genetic database (SIG)

Execution of genetic evaluation calculations

INRA DGA

Distribution of genetic evaluations

Idele DGEP

CATTLE, SHEEP AND GOAT IDENTIFICATION

3 processes

Management of livestock keepers and farms

Supply and management of official identification tags

62 EdE

Recording of notified information and identification of particular animals

COLLECTIVE INFORMATION SYSTEM

2 processes

INFORMATION SYSTEM

Software management for the collective Information System

Running of the collective Information System

## A PROCESS APPROACH APPLIED TO THE PROFESSIONS

## 6 PROFESSIONAL FRAMES OF REFERENCE FOR 14 PROCESSES

- The creation of products and services is based on 14 processes for which are defined the activities, the connections and interactions with other processes, the resources, the environment, the means of control and monitoring and the indicators to measure operational objectives.
- FGE activities are controlled, validated and monitored.  
They are divided into 7 groups of processes implemented by the different professional categories contracted by the FGE. Each category is responsible for implementing one sequence of the system. A professional frame of reference is available and each category's processes are operated within the framework of the process reviews.

## LIST OF PROFESSIONS

- IDENTIFICATION: ensure animal identity (bovine, caprine and ovine) and its traceability.
- PARENTAGE CERTIFICATION: validate the parentage of calves.
- MEAT PERFORMANCE RECORDING: collect data in meat production.
- MILK PERFORMANCE RECORDING: collect data in milk production.
- GENETIC EVALUATION: estimate the genetic values of cattle and manage the distribution to clients.
- MANAGEMENT OF THE COLLECTIVE INFORMATION SYSTEM: receive data and ensure collective and shared storage.

## OUTSTANDING PRODUCTS

## FOR A SKILLED AND DIVERSE CLIENTELE

## PRODUCTS FROM GENETICS

- official genetic evaluations for cattle (index) made available to clients
- certified parentage
- validated lactations
- weights at a reference age
- linear scores around weaning age

These genetic evaluations are compared internationally within the framework of Interbull.

\* INDEX OR GENETIC EVALUATION is the estimation of the genetic value of animals from recorded performances, genealogy and more recently, genomic information.  
GENETIC EVALUATION is recognised internationally by ICAR



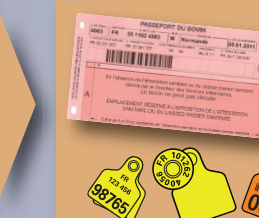
## PRODUCTS

## ANNUAL INPUT OF NEW DATA

- 23 evaluated breeds (14 dairy, 9 meat)
- DAIRY : 45 000 males and 2 100 000 females evaluated from on-farm records
- MEAT : 3 400 males and 320 000 females evaluated from on-farm records
- 7.2 million artificial inseminations
- 3.9 million certified parentage
- 1.5 million weighings
- 0.4 million linear scorings around weaning age
- 26 million milk recordings on dairy cows
- 2.5 million validated lactations

## ANNUAL INPUT OF NEW DATA

- 31 million tags delivered to 330 000 cattle, sheep and goat farms
- 7.5 million passports printed for cattle
- 20 million recorded cattle movements



IDENTIFICATION is a secured tool for animal management, vital for breeders, the livestock sector, organised systems of genetic improvement and animal health.  
IDENTIFICATION is recognised at international level by ICAR



## CLIENTS

BREEDING ORGANISATIONS

BREED SOCIETIES

INTERBULL

IMPORT/EXPORT

BREEDERS

Cattle

Sheep

Goat

ADMINISTRATION

COMMERCIAL OPERATORS

ABATTOIRS

SOURCES : FGE – JANUARY 2017

NUMBER OF BIRTHS/ YEAR

1 million goat  
6 million sheep  
7.5 million cattle

## PRODUCTS FROM IDENTIFICATION

- listings of farms, animals (cattle) and animal movements created and kept up to date using controlled and validated data
- official tags for bovine, caprine and ovine identification, provided to keepers
- passports that are secured and made available to keepers of cattle.

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French bulls in the Top 20 International Holstein

Source Interbull 08/2013