Interests of Quality management System implementation by France Genetique Elevage with 60 local organisations for parentage certification

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1. The French organization for bovine genetic progress: FGE
2. Implementation of Quality Management System (QMS)
3. QMS monitoring
4. Management of the global system
5. Outcomes
6. Benefits of the approach
7. Prospects for the future
Interprofessional association of French organizations which contribute to the animal genetic progress.

Activities represented in the common Quality Management System (QMS):

- Cattle, sheep and goat identification
- Parentage certification of bovines
- Record of meat and milk performance
- Genetic evaluations for cattle
- Information system
A common QMS in accordance with ISO 9001
Parentage certification:

- 53 local agencies called EDE
- Members of FGE
- In charge of:
  - Identification of cattle, sheep and goat
  - Parentage certification of cattle
Parentage certification in France:

- Open to all breeders and all cattle breeds.
- Voluntary approach linked to compulsory calve birth declaration.
- The same process to all bovines, regardless of the breed.
- The parentage certification is based on informations given by breeder and the record of all fertilization events before the birth.
- National rules decided by FGE.
Parentage certification in France:

7 350 000 calves births / year

- Calves births for members: 42%
- Calves births for non members: 58%
- Calves with mother and father certification: 15%
- Calves with mother certification: 2%
- Calves without certification: 82%
Objectives of the QMS for EDE:

- Define practical implementation of Regulation
- Apply and control the methods
- Secure the quality service for customers (breeders, global genetic organizations, the State)
- Improve the operation
2. QMS IMPLEMENTATION

- **Differents steps:**
  - Individual commitment signature between FGE and EDE
  - Joint drafting of professional framework by EDE and Idele, approved by FGE
  - Training of a quality specialist in each EDE by FGE
  - Professional framework application for each EDE
  - Internal audit assessment
3. SMQ MONITORING

- Internal audits every 18 months to assess:
  - Application and mastery of professional framework
  - Implementation of actions for correction and improvement
  - Performance of the system

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5 years maximum between two conformity declarations

A0, B0: complete audit
A1, A2: partial audit
DC: conformity declaration
3. SMQ MONITORING

- Indicators:
  - Yearly calculation from French data base
  - Given to each EDE to monitor their activities
Annual review of the process:

**Participants:** representatives of EDE, FGE, herdbook and performance recording organizations.

**Content:**
- Assessment of the national action plan from previous year
- Analysis of audits results
- Analysis of non-compliance, claims, customers expectations
- Indicators results
- Context evolutions
- Action plan for the next year
5. OUTCOMES

Non compliance decreases

Number of non compliances evolution per EDE between each audit
5. OUTCOMES

- Improvement of indicators results

% of births declared in 7 days
5. OUTCOMES

Improvement of indicators results

% of calves with mother and father certification

- 80.5%
- 81.0%
- 81.5%
- 82.0%
- 82.5%
- 83.0%

6. Benefits of the approach

- Homogeneous practices of parentage certification in France
  - Better genetic evaluations
  - Easier merger between organizations
- Performance improvements
- Handling of customers needs:
  - Fast adaptation
- Transparency of the system
  - Trust
- Study of the context
  - Fast adaptation. Example: Since 2015, using SNP analysis results to certify parentage with national rules
The management quality system for parentage certification will be a very important tool:

- to integrate regulations evolutions (European zootechnical regulation) and to meet new customers’ demands
- to integrate technical evolutions
- to guarantee the reliability of information in this new context
Thanks for your attention