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Session 5: Data ownership and integrated use

Title: Place of consent in new French bovine genetic data management system

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Breeder's access to data collected in his holding has become a major challenge last years to give him the freedom to valorize them with the tools and partners that he freely chooses.

At the same time, the regulatory and professional context around data management has evolved to give ever more importance to the consent of the breeder.

FGE manages French collective system for the genetic improvement of ruminants and offers services to its members with shared genetic information systems.

FGE launched in 2020 the deployment of a new professional national data base, connected with a dedicated data exchange platform and a breeder's consents verification platform "Agata Consent" to validate and secure the exchange based on a consortium blockchain solution. The system, in production for the first users, guarantees the verification of the informed consent of breeders before any use of their data by different professional organizations for the purposes of research and development, genetic improvement or innovation, without any intervention from the user. It works as a trusted third party to exchange data even with multiple addressing, with addressing parameters supported by web services. It increases the confident of breeders and organizations in the exchanges and the uses of data all along the value chain, in adequation with the European Data Act regulation.