18. Blockchain Is Blockchain the Answer for your Data Security and Data Exchange

Title presentation

Case study: Lessons learned from combining genetics and blockchain in the beef industry

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Abstract

Traceability and authenticity are key deliverables of blockchain instances and programs. This is accomplished by an underlying technology that is capable of securely managing and distributing data elements based on the actors in a program. In collaboration with Ripe.IO, Neogen and rpie.io are delivering a unique blend of data elements to provide a platform to benchmark, evaluate, and allocate resources to improve supply chain aspects, like efficiency or sustainability. Our unique combination of genetic testing of animals and blockchain present an incredible opportunity to improve supply chain efficiencies from best practices utilizing the underlying genotypes and genomic prediction values of the animals. This unique data aggregation with services such Ignity Feeder or Parentage to improve operations, herd management practices, meat quality, or feed efficiency. The specific example in this presentation will focus on the beef supply chain in addressing traceability, sustainability, and authenticity of beef products.