Data Ownership, Privacy, Use, Sharing and Stewardship - The U.S. Experience

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Value-added to dairy producers

National Cooperator Database

Cutting-edge research

Premier dairy genetic information services
Genomic data flow

DNA laboratory

Genomic Nominator

Council on Dairy Cattle Breeding (CDCB)

Dairy Record Provider (farmer or controller)
Material License Agreements

- Data providers and CDCB
- Limit data use and distribution
- Allow CDCB to perform analysis
- Allow USDA to perform research
Material Transfer Research Data Exchange Agreement
Data Access for Research

Research Data Requests

Data Controller Authorization

CDCB Provides Data Access
International Genotype Exchanges

International Partners Agreements

CDCB Executes Exchanges
New Data Types
# Data Ownership, Privacy, Use, Sharing and Stewardship - The U.S. Experience

## Ownership
- Dairy producer
- Controller

## Privacy, Use
- MLAs

## Sharing
- Bilateral Agreements

## Stewardship
- National Cooperator Database
- CDCB
Take Home

- Dairy herd data belong to dairy producers who invest in technology and pay for all services

- Dairy data: improve the decision-making process at the herd level

- Farmer-based organizations: facilitate integration of the existing and emerging data streams
Thank You!

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