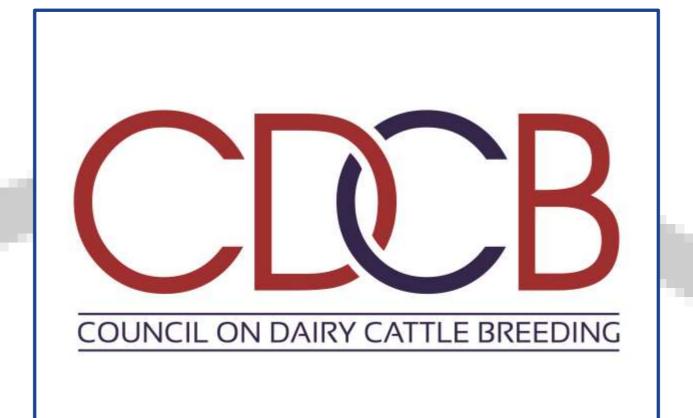
Data Ownership, Privacy, Use, Sharing and Stewardship - The U.S. Experience

João Dürr, CEO

Wednesday, April 2021







Purebred Dairy
Cattle Association

National Association of Animal Breeders

Dairy Records
Processing Centers

Dairy Records Providers





Value-added to dairy producers

National Cooperator Database

Cutting-edge research

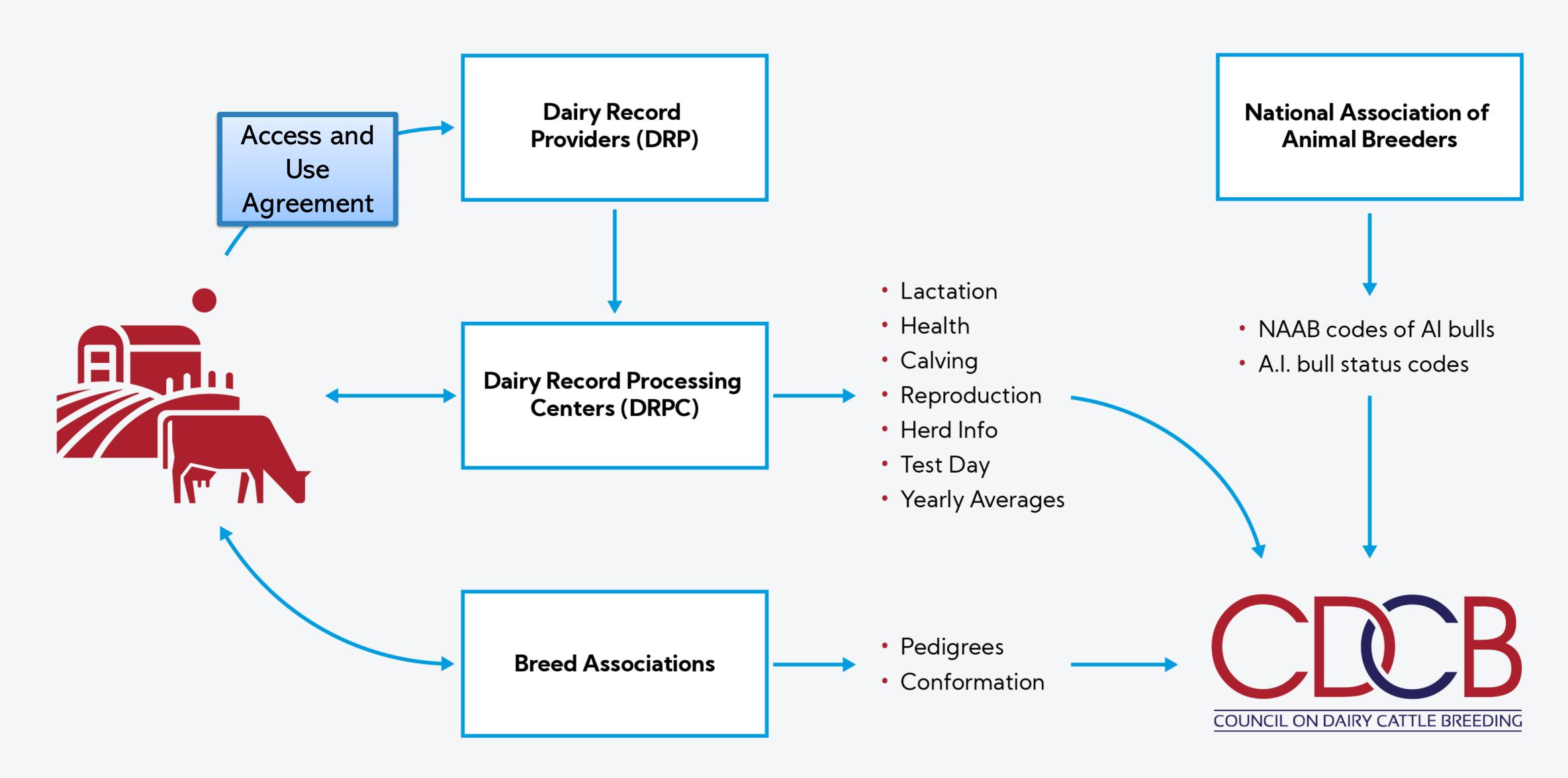
Premier dairy genetic information services





Data Flow from Farm to Genetic Evaluation





Genomic data flow

Dairy Record Provider

(farmer or controller)



DNA laboratory

DNA samples
genotypes

Genomic Nominator

Arocologo por tentos p

Council on Dairy Cattle
Breeding (CDCB)

nominations's Renomicons



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





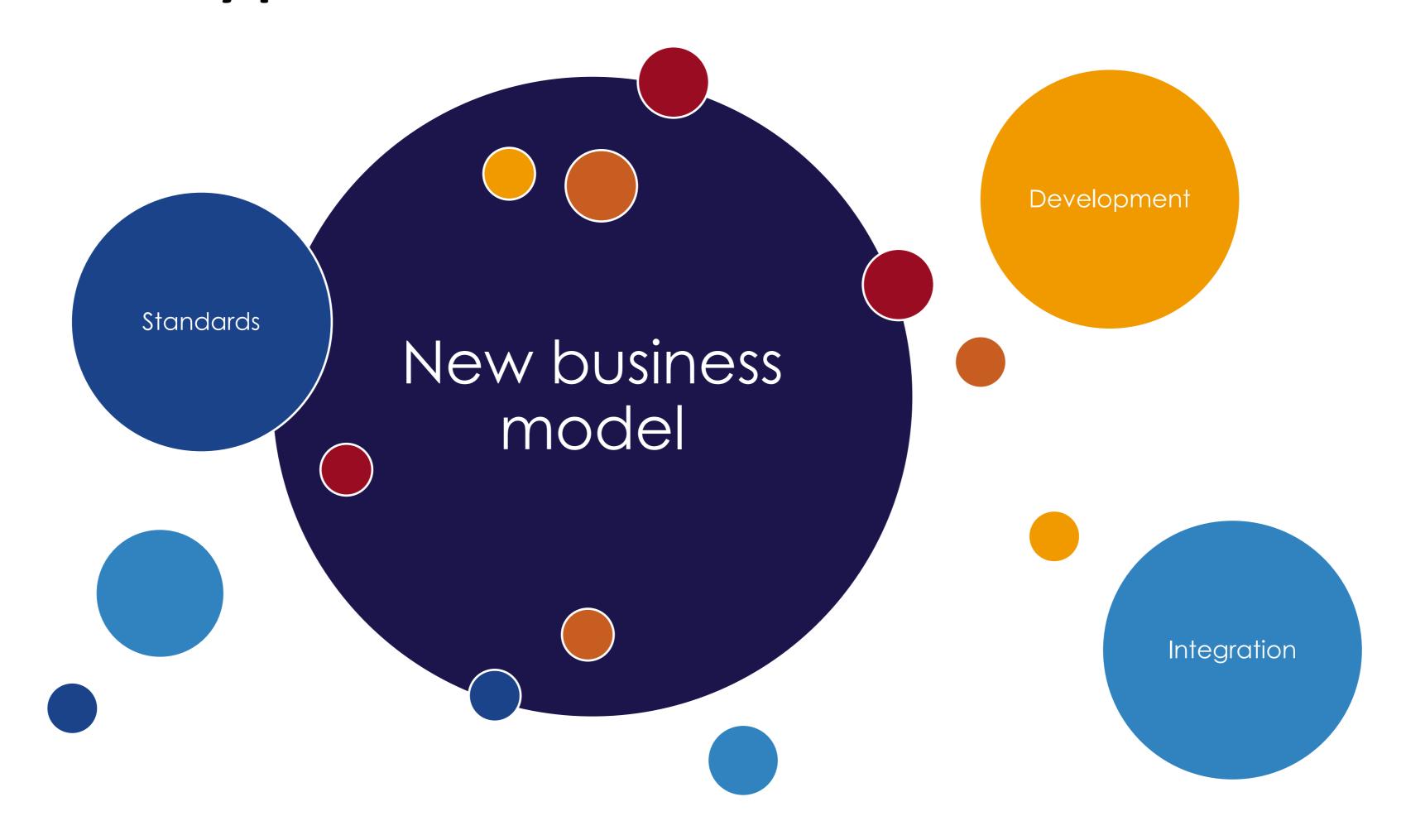
International Genotype Exchanges







New Data Types







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

Ownership

- Dairyproducer
- Controller

Privacy, Use

MLAs

Sharing

BilateralAgreements

Stewardship

- NationalCooperatorDatabase
- 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



