



New Structures for Cattle Breeding: Australian Experience

2016 ICAR Plenary
Wednesday, 26 October 2016
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THE GLOBAL STANDARD
FOR LIVESTOCK DATA



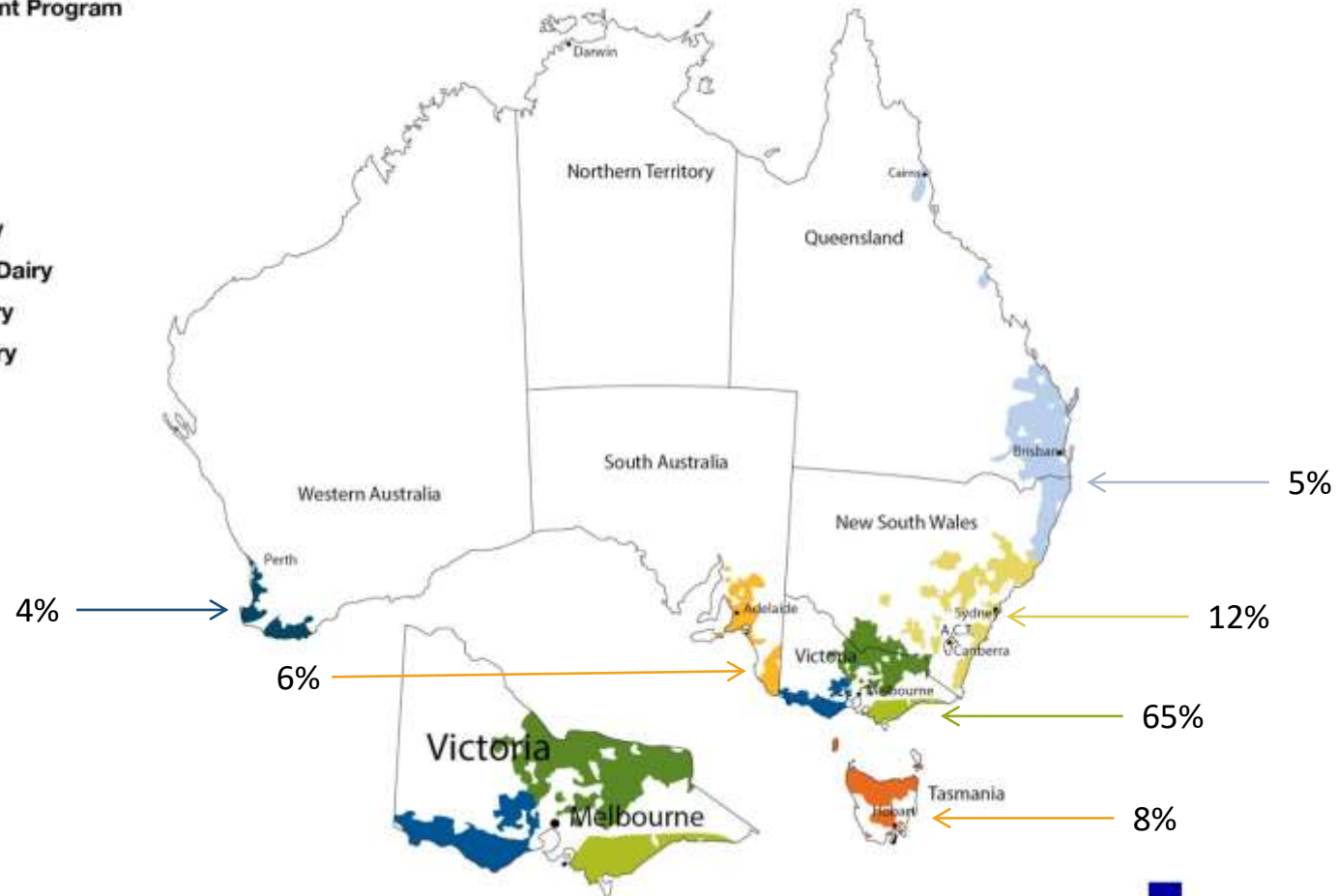
“The best way to predict your future is to create it.”

Abraham Lincoln

Australian Dairy Industry

Dairy Farming Areas by
Regional Development Program

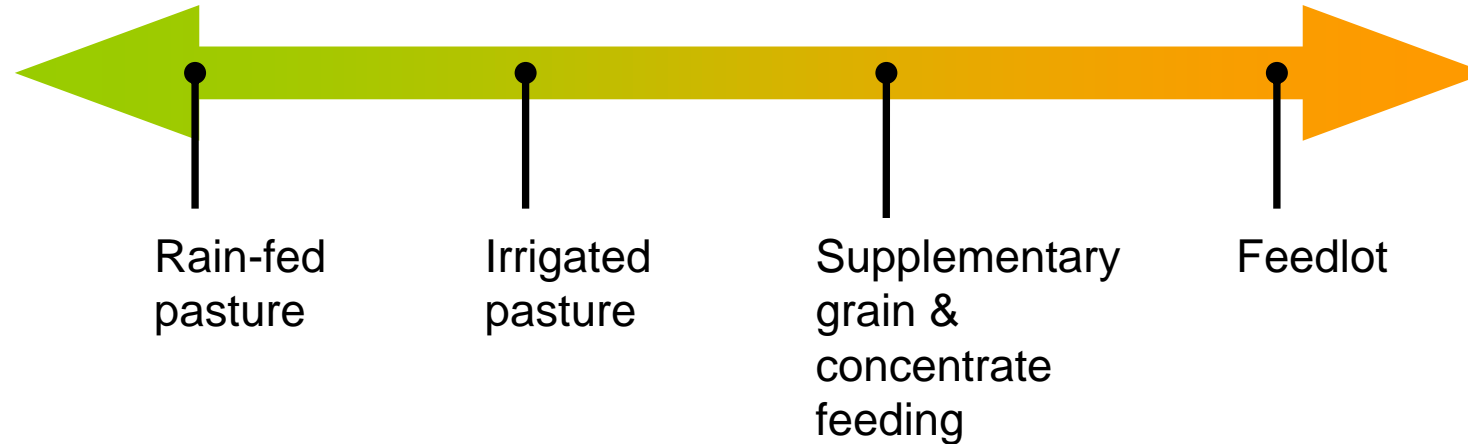
- Dairy NSW
- Dairy SA
- Dairy TAS
- Gipps Dairy
- Murray Dairy
- Subtropical Dairy
- WestVic Dairy
- Western Dairy



Evolving Production System

Pasture only:
5% of farms in Aust
2% of production
Ave size 186 cows

Complete feedlot:
2% of farms in Aust
4% of production
Ave size 404 cows



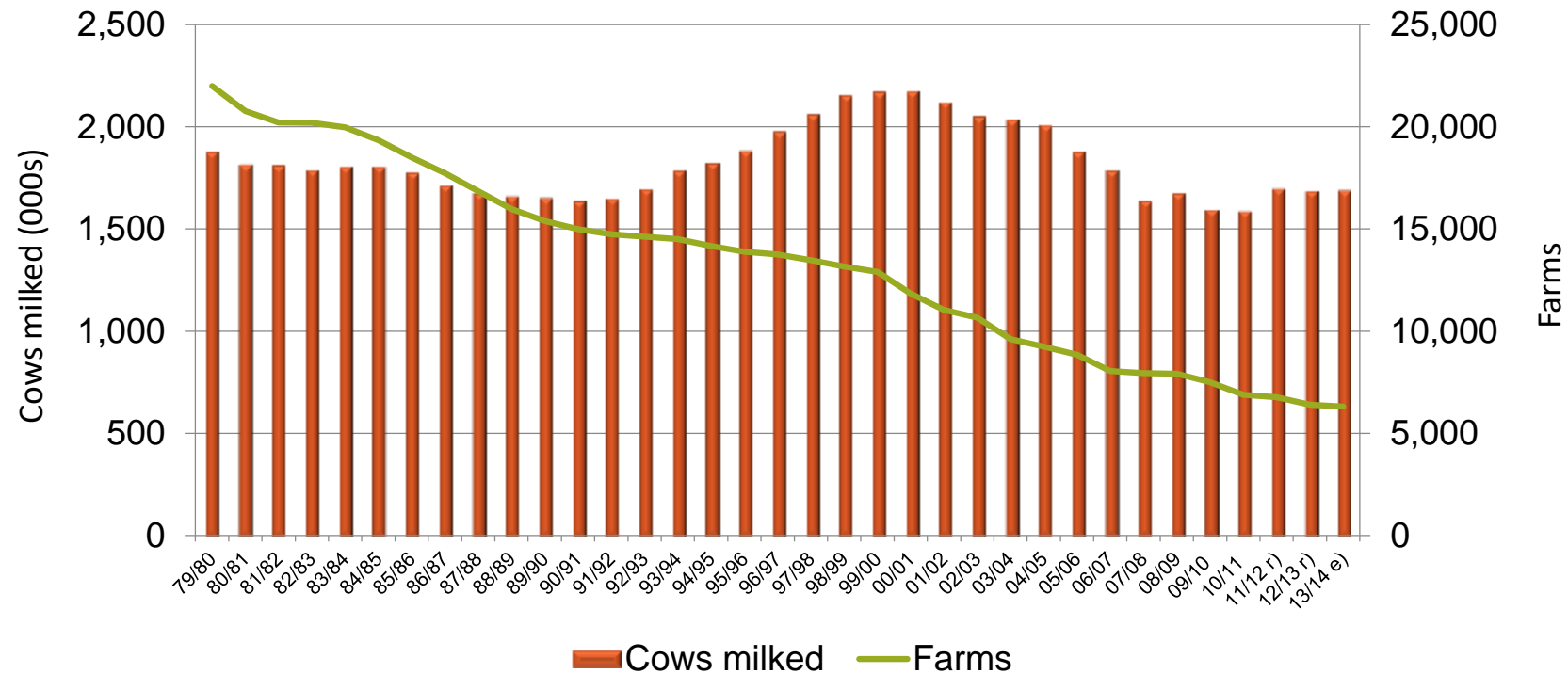
Pasture plus low feed:
25% of farms in Aust
16% of production
Ave size 210 cows

Pasture plus moderate to high feed:
50% of farms in Aust
52% of production
Ave size 267 cows

Other – high inputs:
16% of farms in Aust
25% of production
Ave size 340 cows

Trends

Dairy farms and cows
1979/80 – 2013/14



The need for a strategy



Achieving change



Industry agrees to change behaviour

Herd Improvement Strategy 2020

involved 47 individuals and 27 organisations



Herd Improvement Strategy 2020

Dairy farmers maximise their profit through a vibrant herd improvement industry offering effective and highly valued services

Deliver Profit

Redesign Oversight

Demonstrate Value

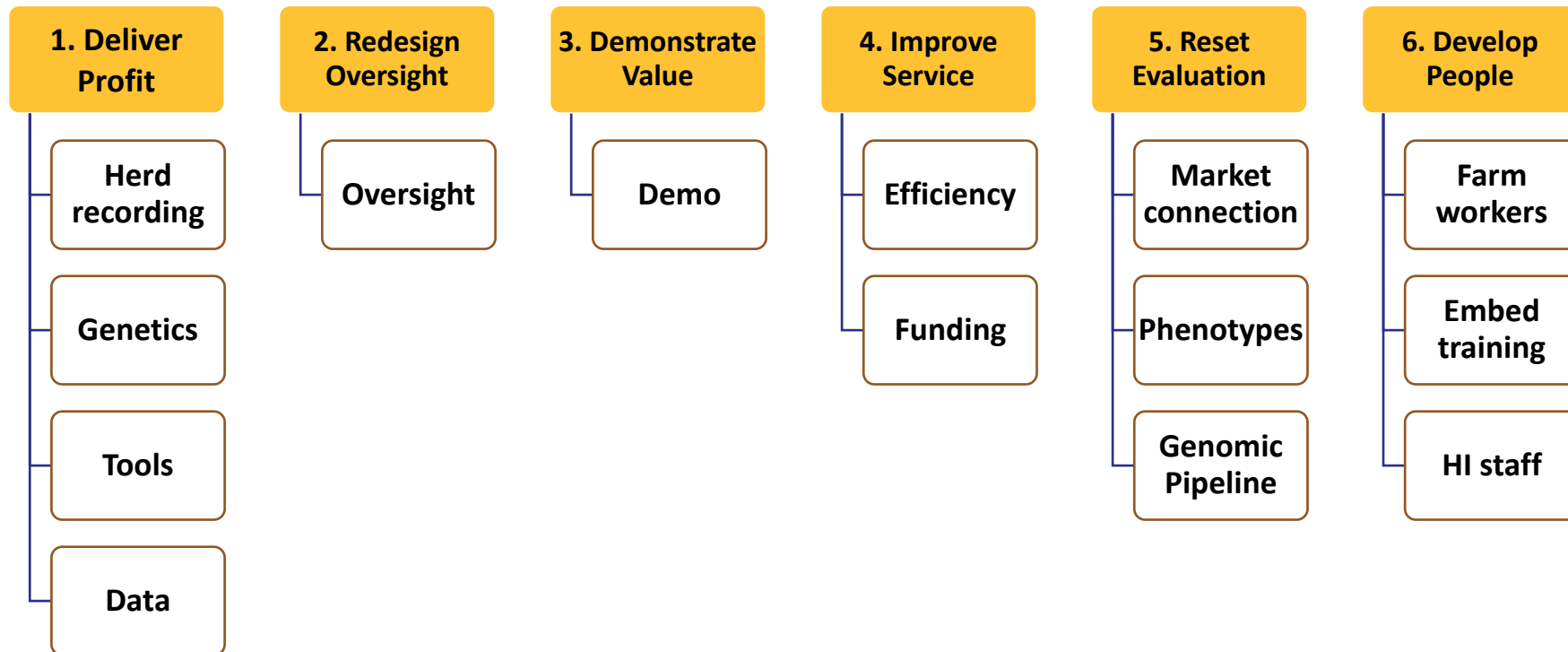
Improve Service

Reset Evaluation

Develop People



Herd Improvement Strategy 2020



Herd Improvement Strategy 2020



What and Why

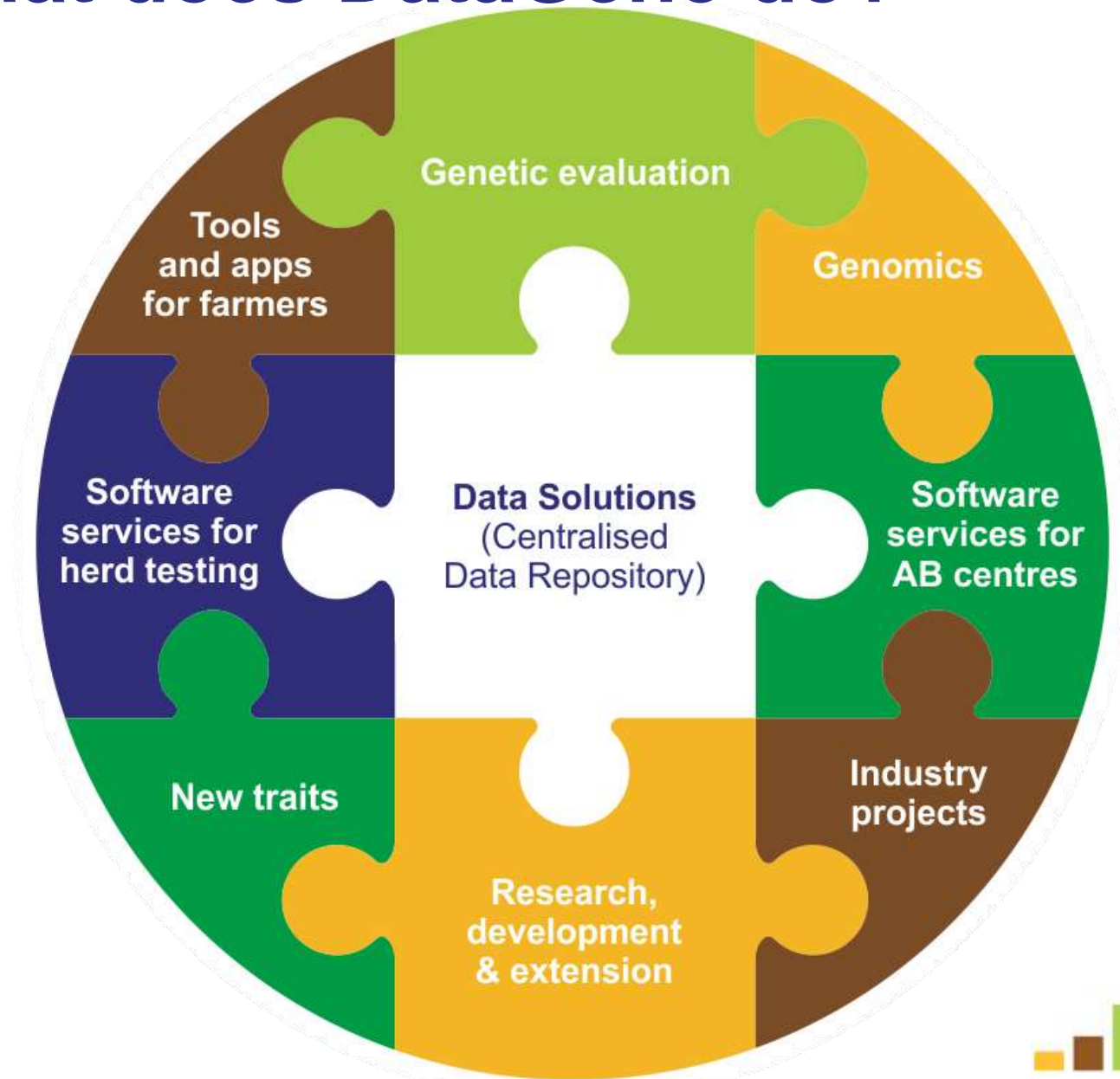
- A collaborative effort to increase farmer profit and service provider sustainability/innovation
- A not-for-profit entity to encompass pre-competitive HI functions and create platforms and tools for service provider innovation
- An integrated, whole of industry centre to span research to delivery
- An inclusive structure, with all industry participants contributing to achieving goals and setting priorities

What's in it for the industry?

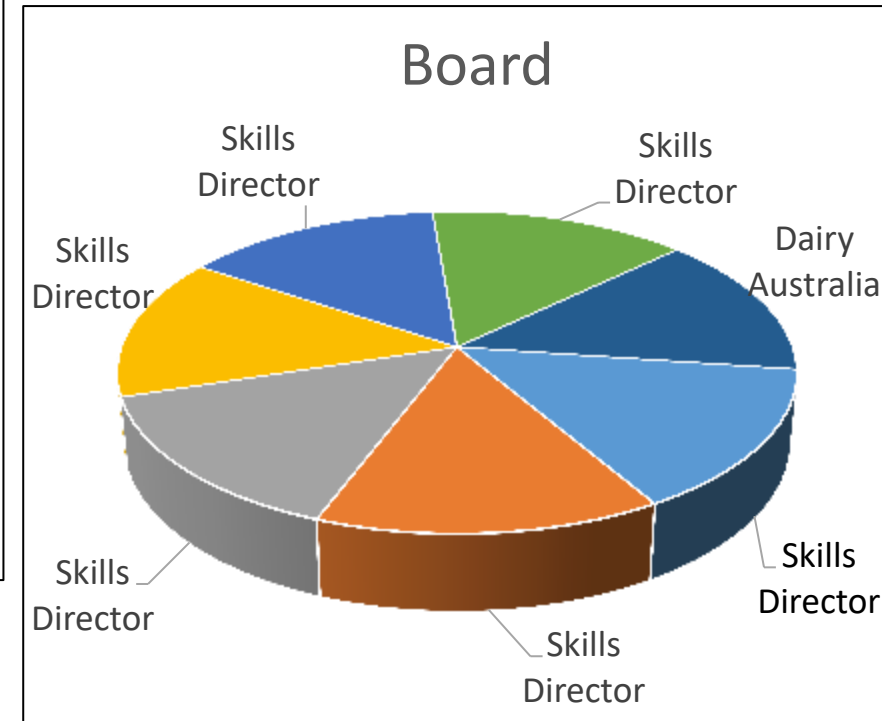
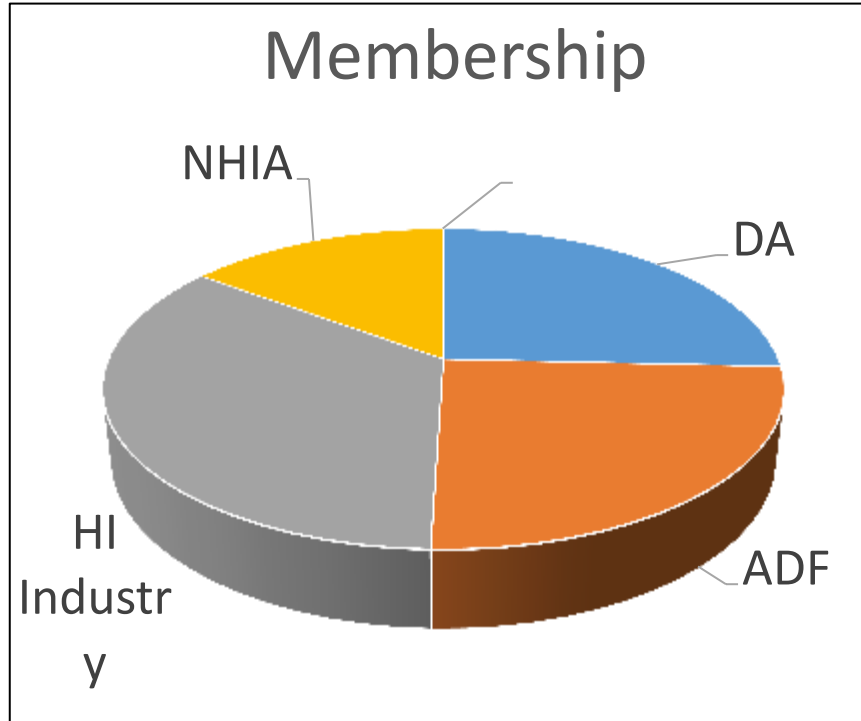
Service providers have the potential to:

- develop new & innovative services
- research answers based on data
- create operational efficiencies
- shape industry strategy

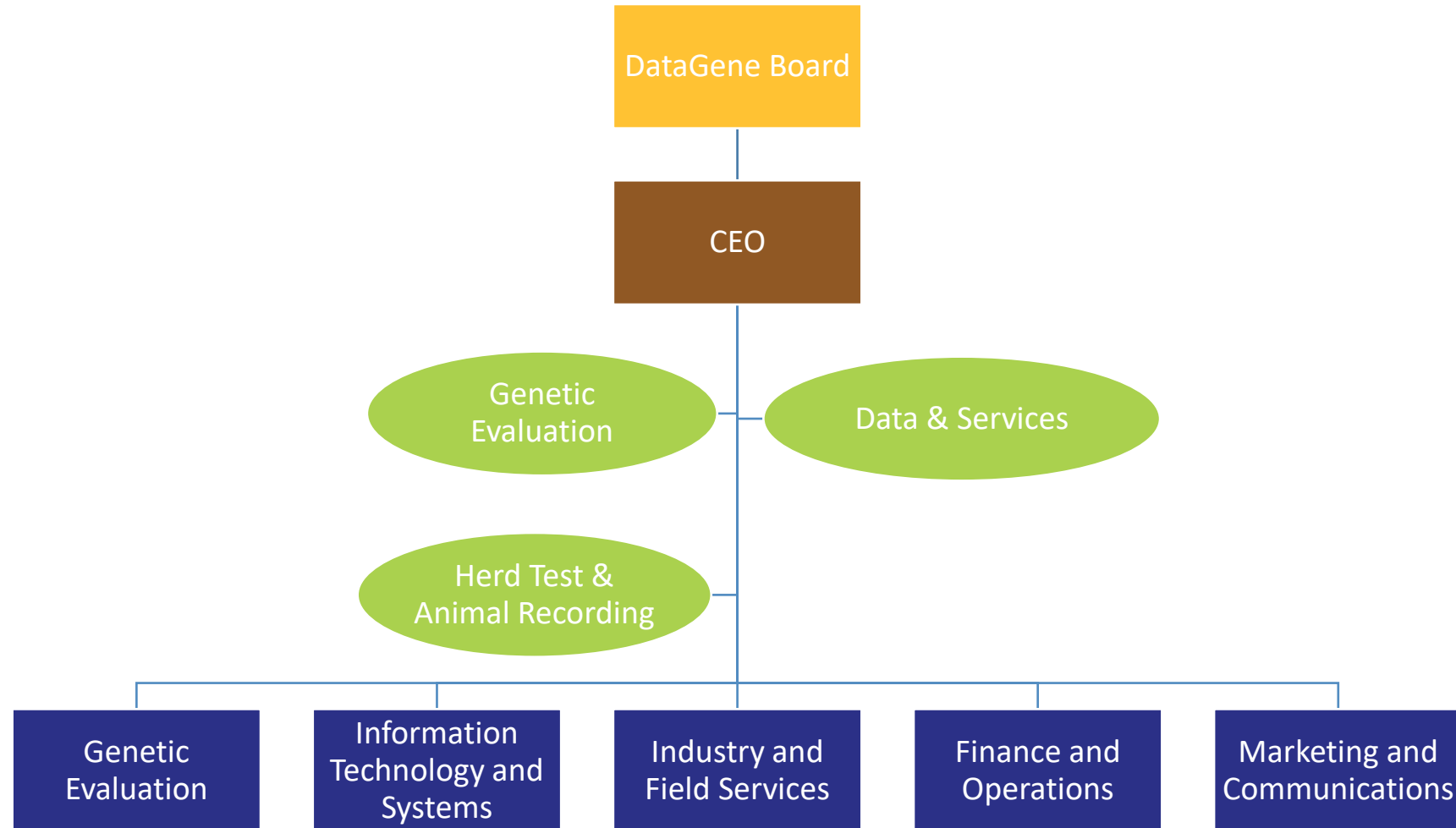
What does DataGene do?

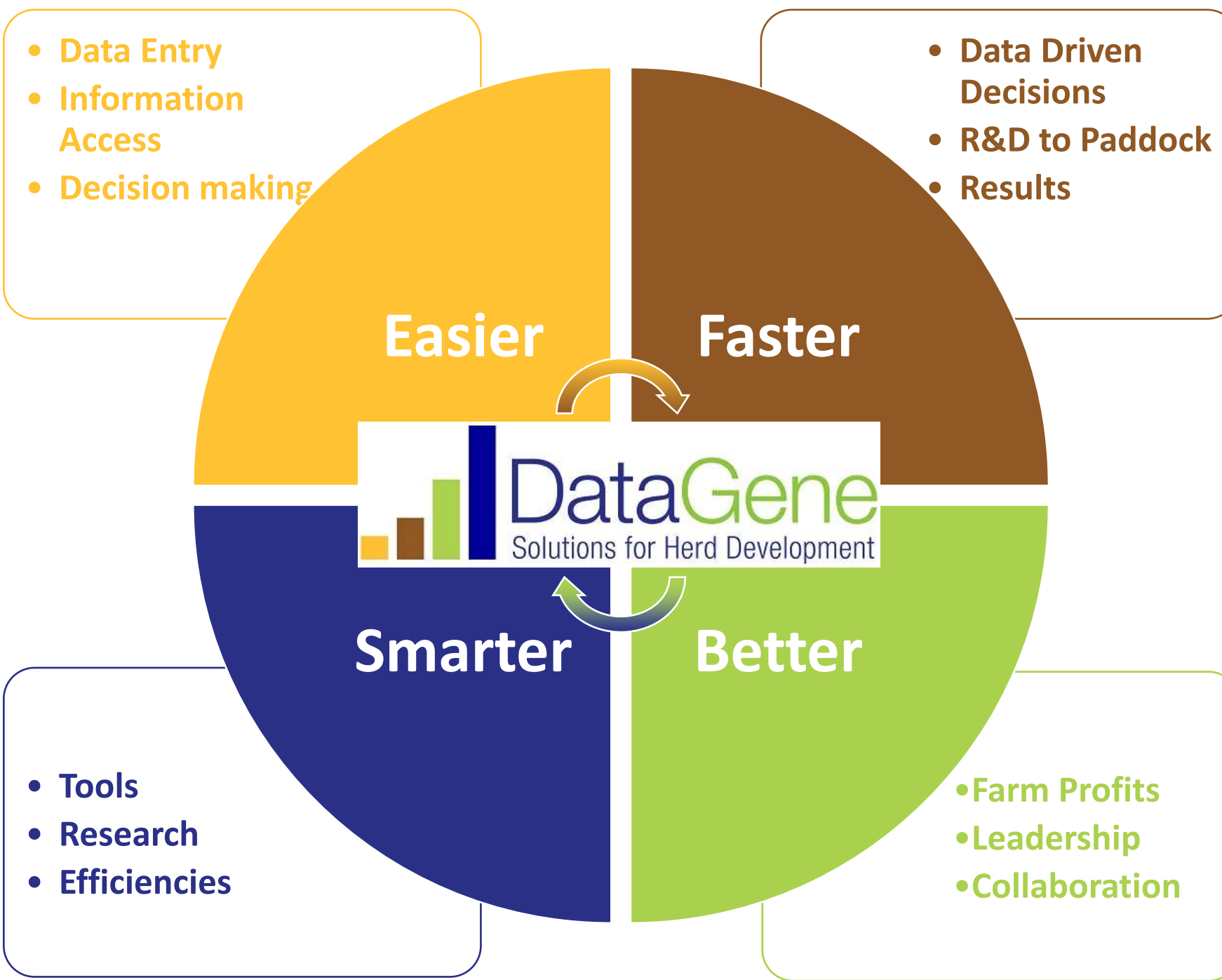


Membership and Board

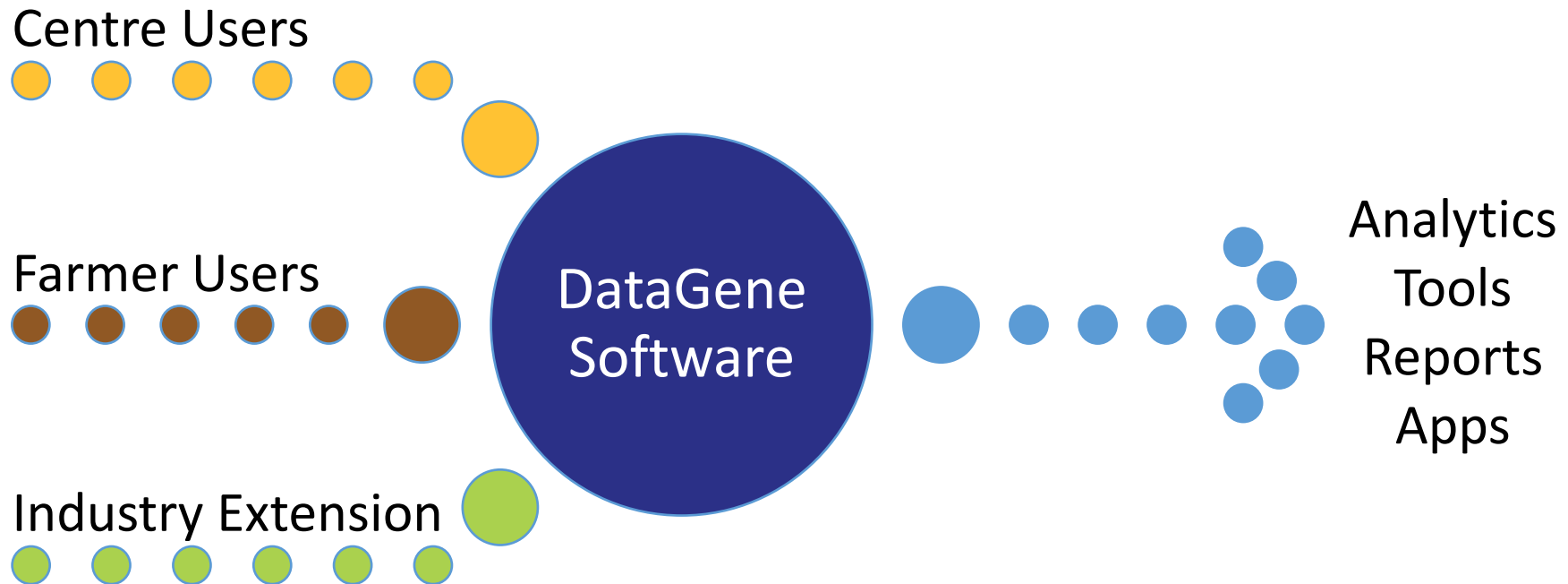


Governance Structure





Software Development



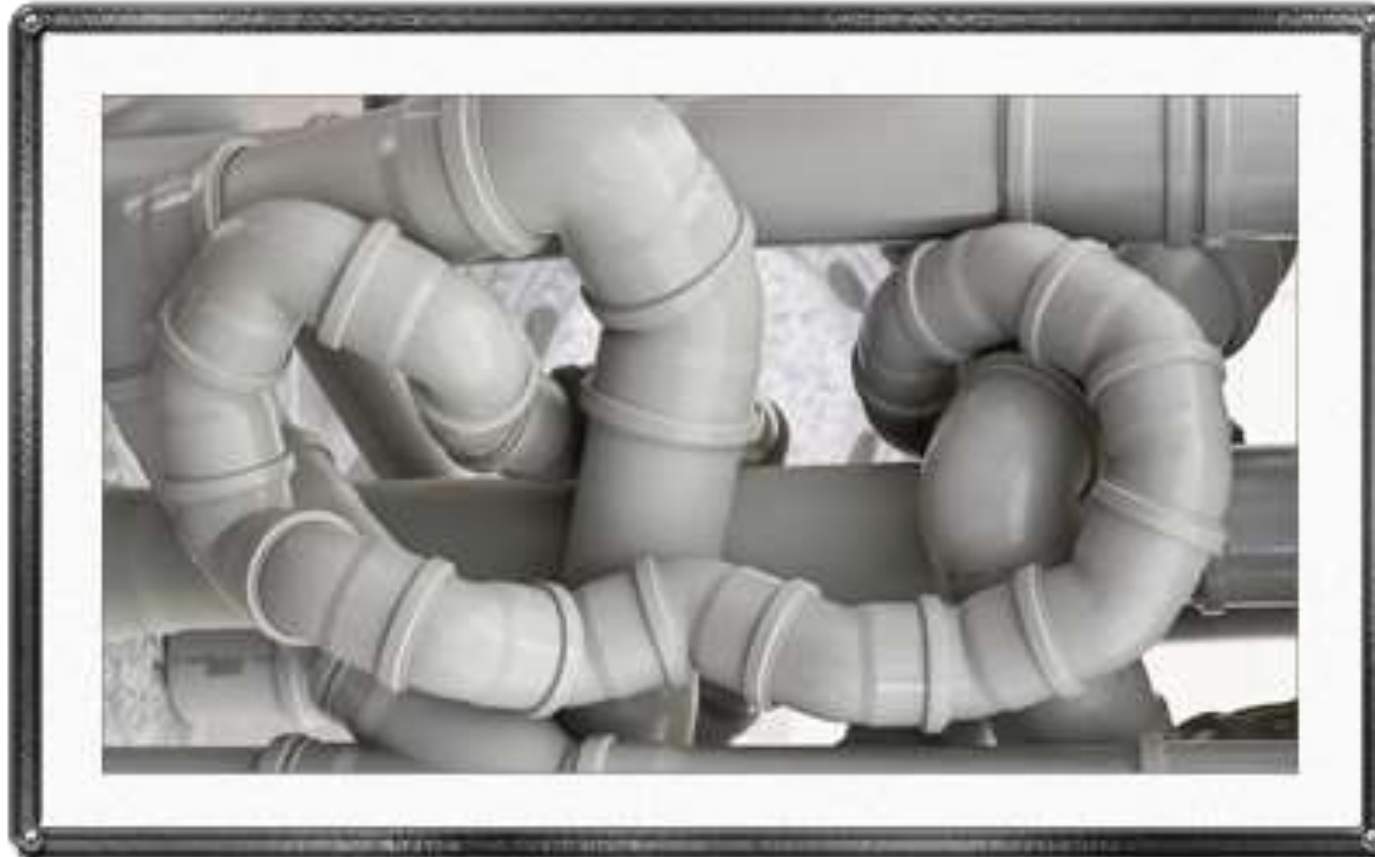
Data Flood – Information Drought

32 ltrs 340,000
3.7% Fat 32 cells
1.9 Months 107 MS
milkings 8,454
3.2% ltrs
Protein 294 HWI
349 BPI 30%
97% Conception
Jersey 263 TWI

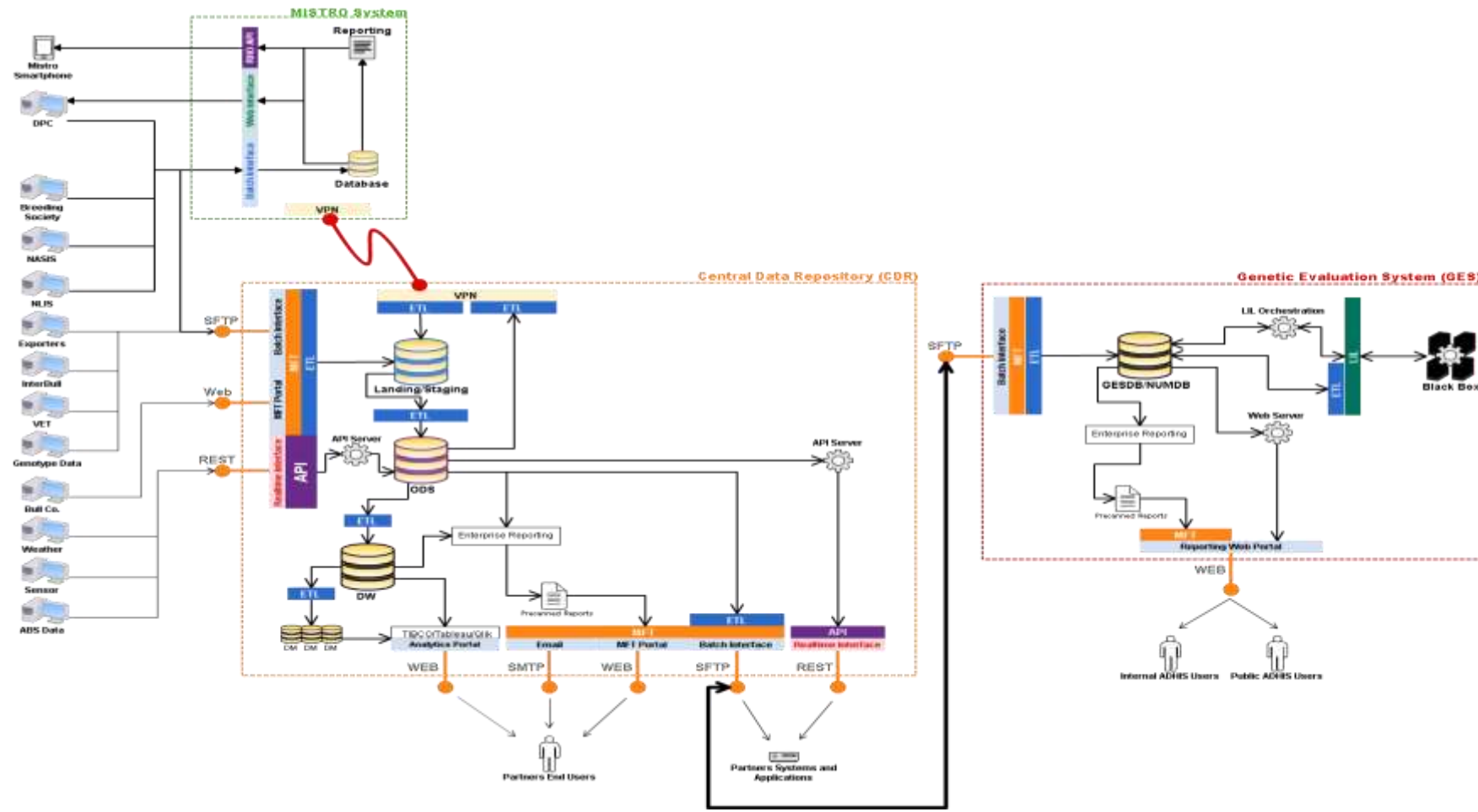
The HI Industry Vision



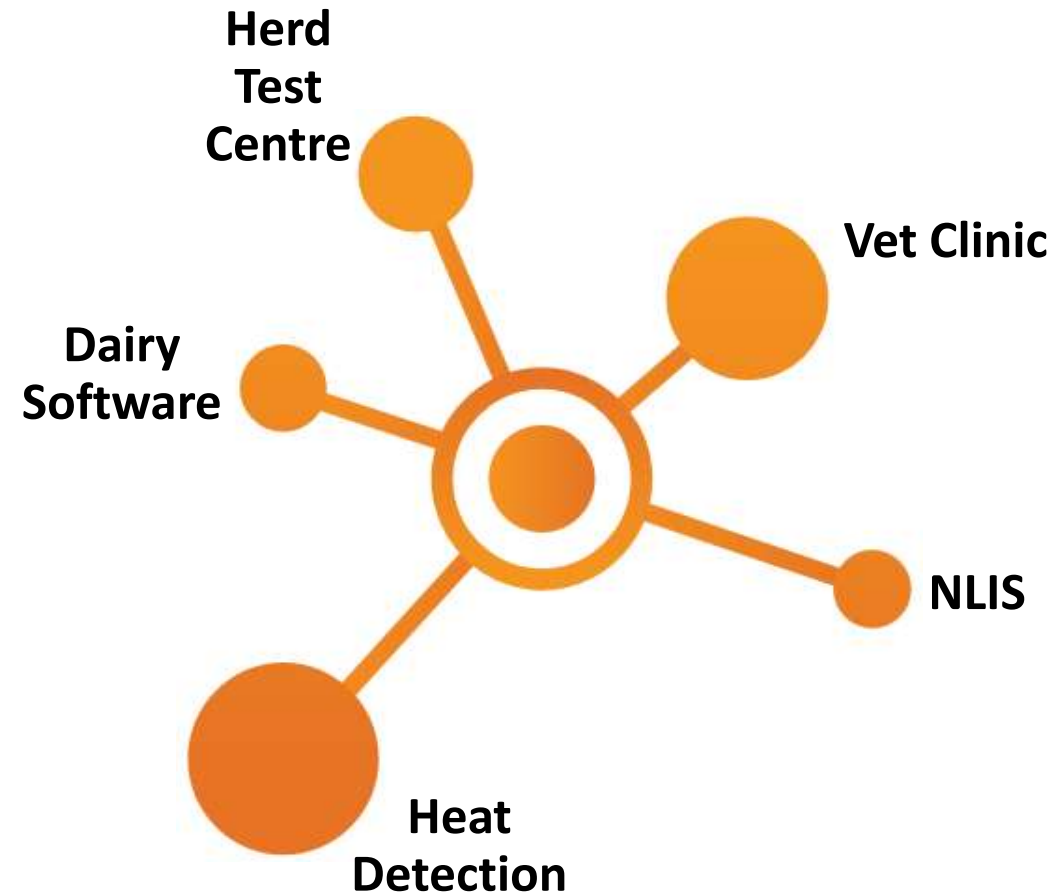
Current Data Schematic



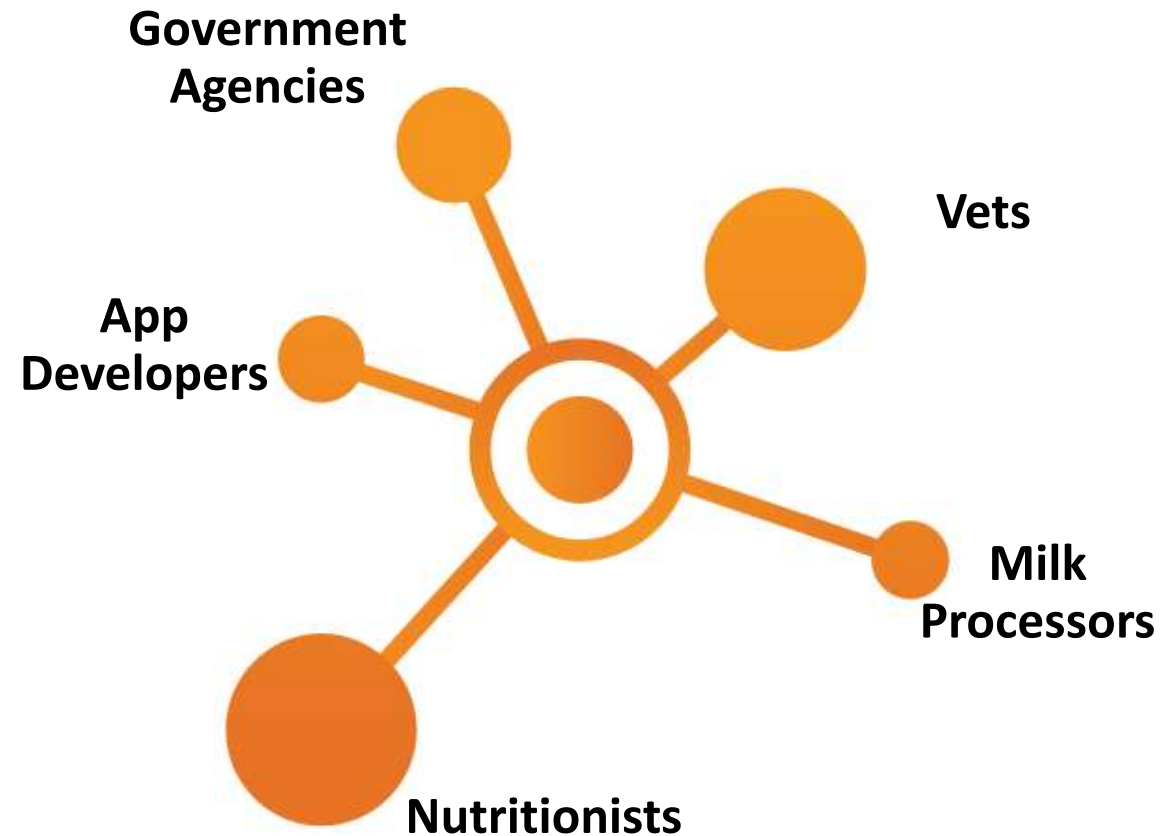
Central Data Repository Schematic



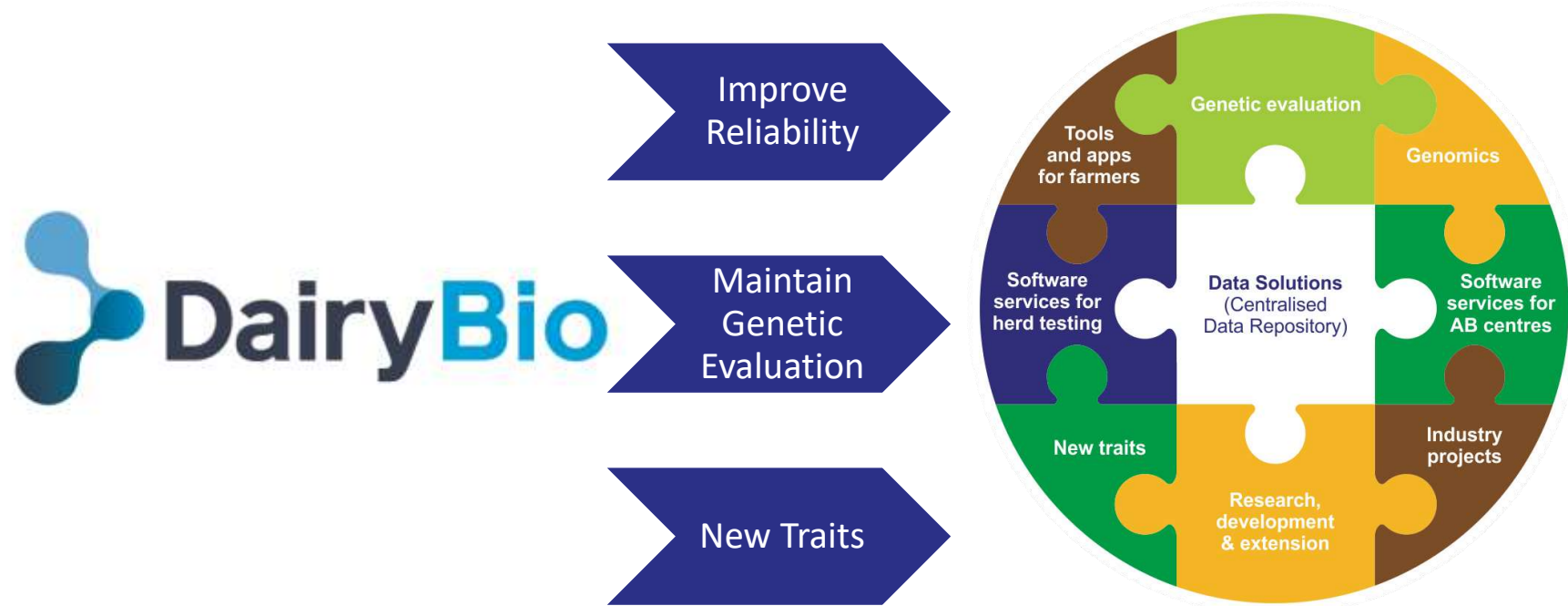
Single Entry, Multi Use



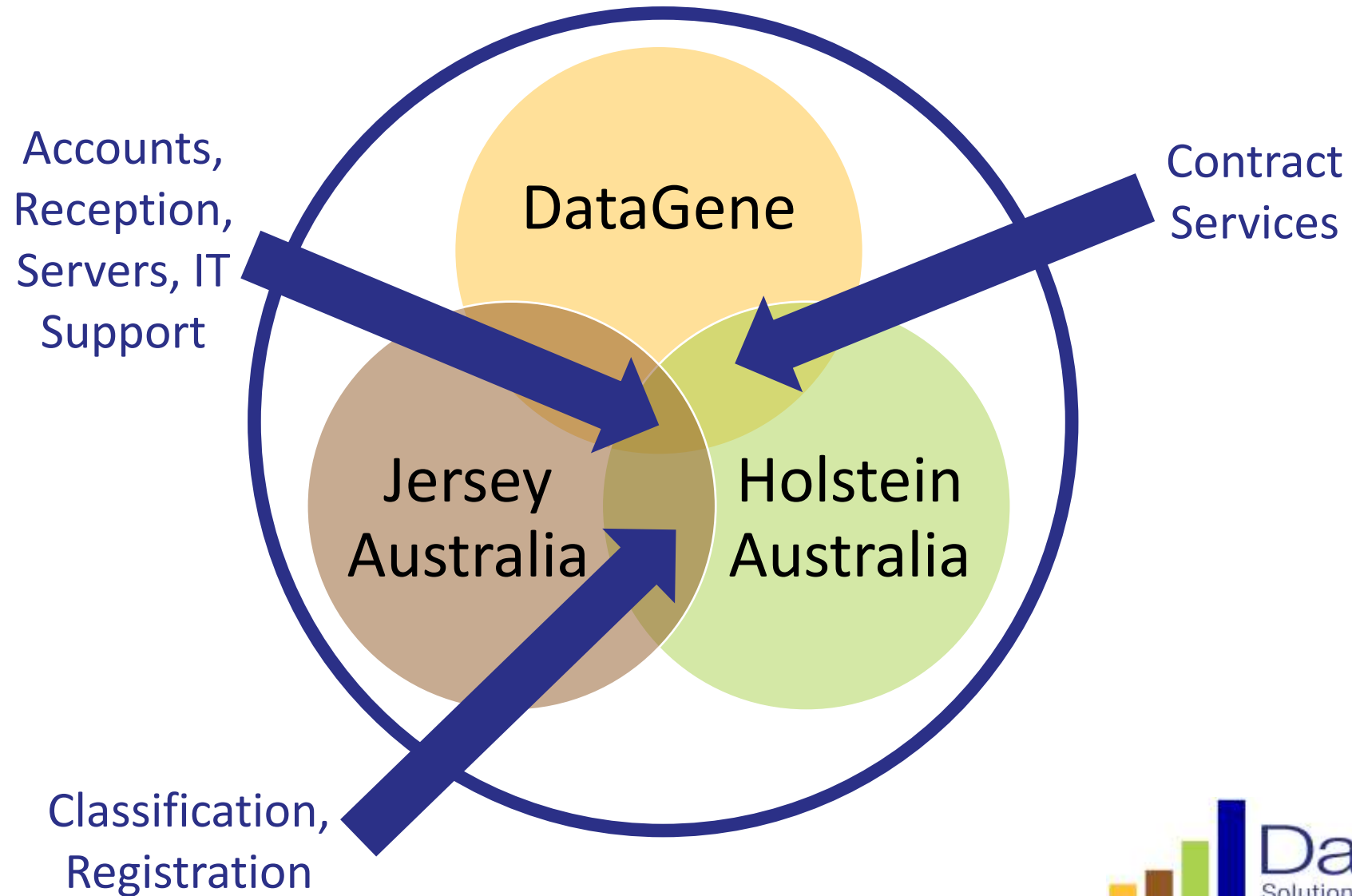
Innovation Platform

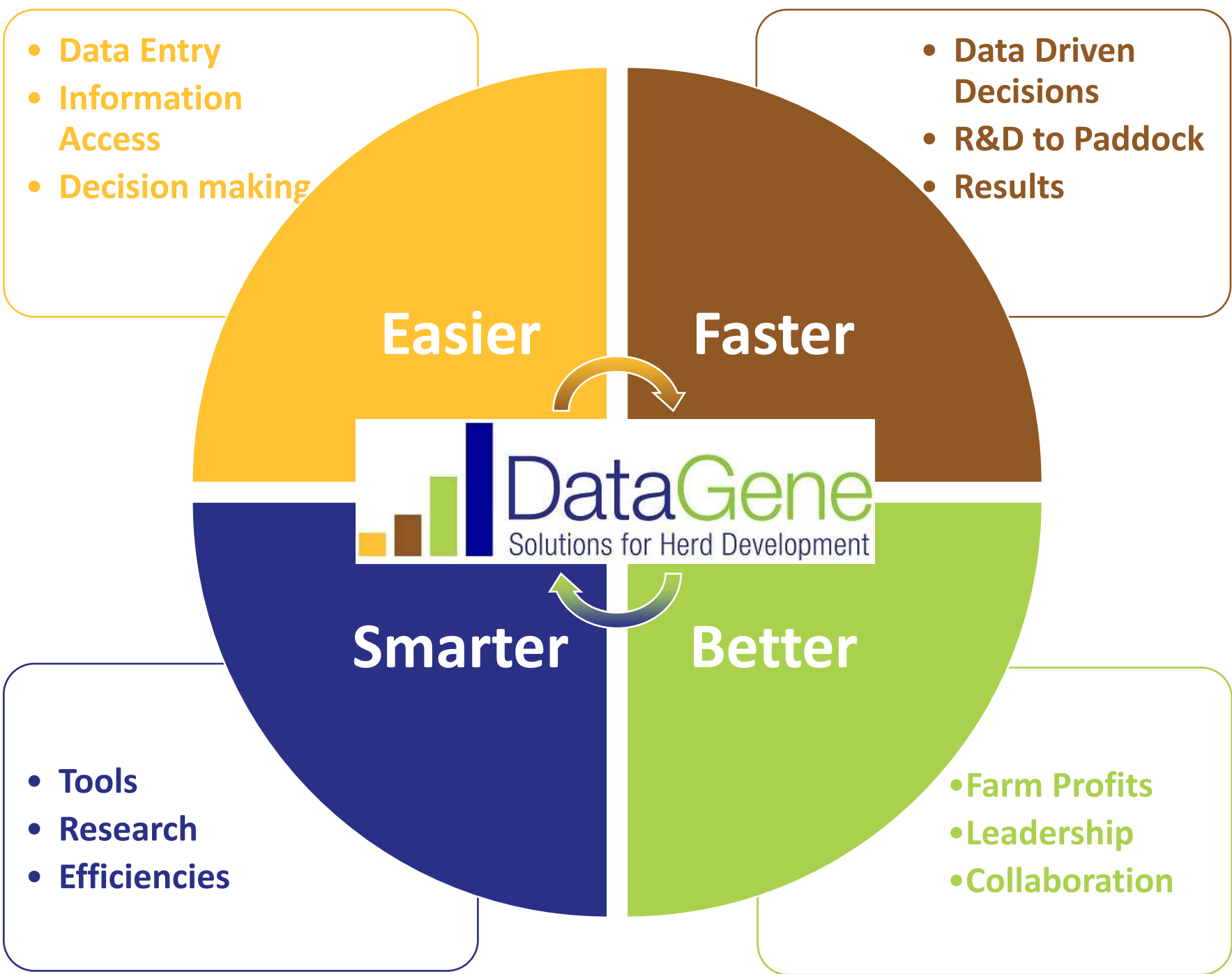


Bridging Science and the Field



Efficiency: Dairy House









Collaborate

Innovate

Create