

Research Project









Joint Effort

- GSF
- CSA
- U of Guelph (Steve Miller)
- SRC/Genserve
- NSERC
- RAK (Bob Kemp, Sean McGrath
- Canadian Simmental Breeders
- Project is to include a variety of M.Sc. and Post Docs located at U of G and SRC

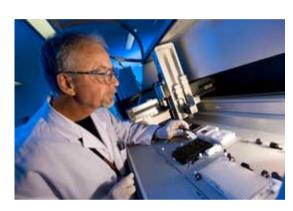






Leverage Existing Data

- EXAMPLE:
- Over 1.1 million pedigree entries
- 921,000 Birth weights
- 789,000 Weaning weights
- 324,000 Individual breeding records
- 8,231 DNA samples on the cow herd
- 20,000 DNA samples on file with Genserve







Other CSA Data

- Calving Ease
- Calf Vigour
- Mothering Ability
- Teat and Udder Scores



- Temperament
- Scrotal Circumference
- Ultrasound / Carcass / Meat Quality Data

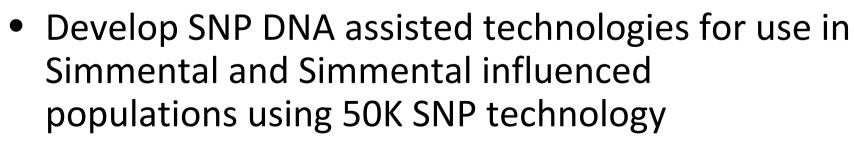






Project Goals

- Collect additional data on difficult to measure traits such as feed intake, meat quality, etc.
- Explore and evaluate traits
 - Fertility
 - Longevity
 - Growth
 - Efficiency
 - Meat Quality









Deliverables

- Simmental specific DNA panel for traits of importance
- Incorporation of DNA SNP results into genetic evaluation of Simmental
- Breeding strategies and extension material
- Breeding tools for the larger beef industry



