

# UK Beef genetic evaluations

Dr Kirsty Moore

- 2 genetic evaluation providers
  - EGENES
  - Limousin, Stabiliser, British Blonde, Red Poll, Sussex, Highland, Saler and Lincoln Red
  - LIM (22%) and CHA (11%) are the largest beef breeds
  - Big influence of dairy (36% of genes in slaughter population)
- Genetic evaluations of purebred population

# BeefBreeder EBVs



## Weight

- Birth weight
- 200-day growth
- 400-day weight

## Carcase

- US Fat depth
- US Muscle depth
- Muscularity

## Fertility

- 200-day milk
- Gestation Length
- Age at first calf
- Calving interval
- Calving Ease
- Life span

## Temperament

- Docity



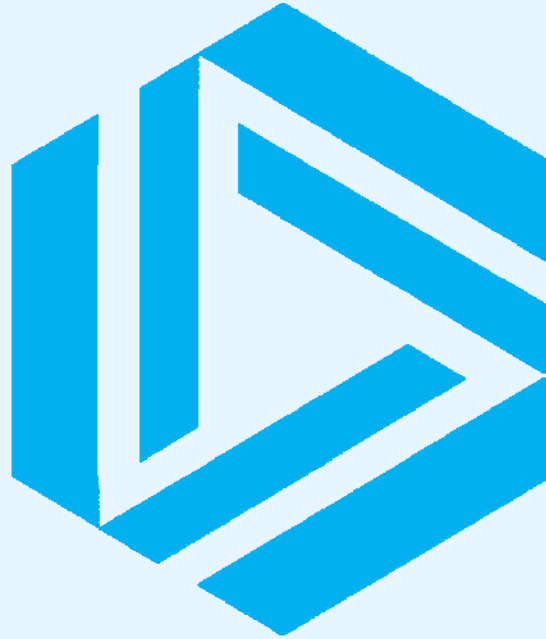
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# Developments



- **EBLEX carcass trait project**
  - Abattoir data + BCMS data > carcass trait EBVs
- **TSB beef genomics project**
  - Genomics of beef carcass traits
- **Genomes Canada**
  - International genomics project
    - Imputation
    - Genomic prediction equations and models
    - Genome sequencing
    - Genomic selection for feed efficiency
- **Scrotal circumference EBV in development**



# SAC

**S**uccess through **Knowledge**