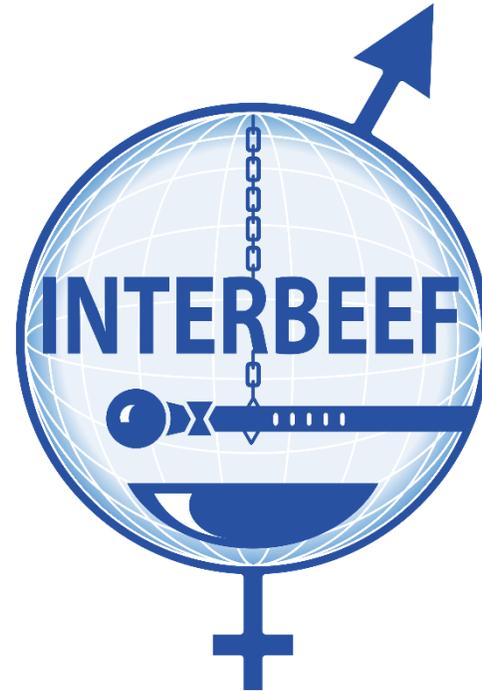




Interbeef Update.

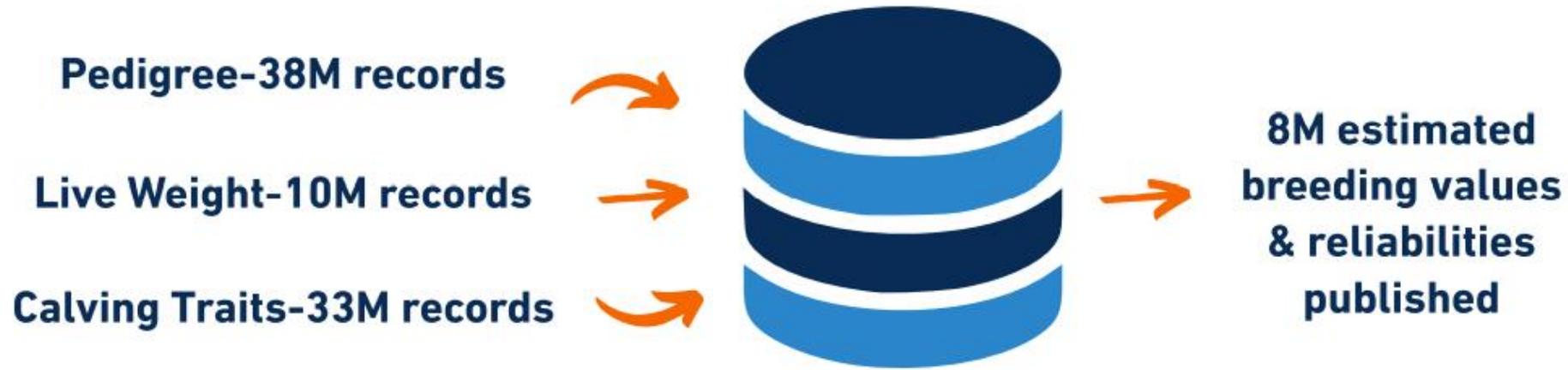


Andrew Cromie, ICBF & Interbeef WG Chairperson.
Interbull Business Meeting.
ICAR Conference, Leewarden, April 2021.



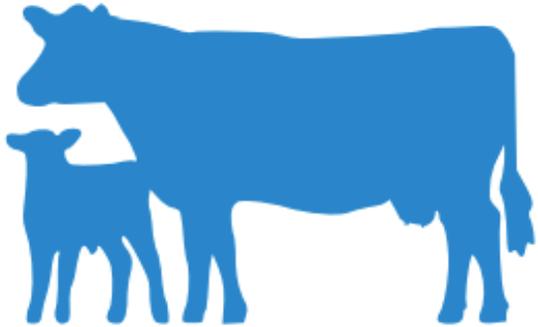
- A sub-group of ICAR.
- Objective; Developing and promoting the national and international evaluation of beef cattle.
- Governance; Working Group and Technical Group.
- Operations; ICAR contracts Interbull centre for the provision of services.
- Status; Currently 13 members and growing!





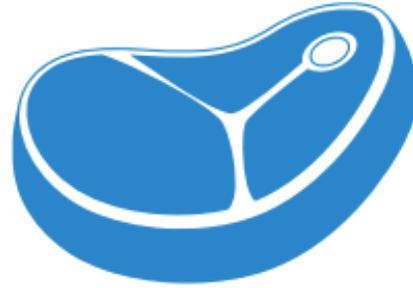
In 2020, Interbeef provided official international breeding values across 13 countries and 5 beef breeds.





Female fertility:

Age at 1st calving & productivity



Carcass Traits:

Carcass weight, quality & age at slaughter



Genomic Selection:

Development of a single-step genomic model

- Research undertaken by members; Ireland, Germany, Czech Rep, Netherlands, Australia & Interbull Centre.
- Utilizing the Interbull structure (co-ordination, phenotypes, pedigree genotypes).
- Effective and efficient way to develop new services.



- New members => Latvia & Slovenia.
- New fee structure.
- Expansion of routine services => New trait/breed/country combinations.
- Interbeef webinar (Dec 2020); Working together for international evaluations of beef cattle.
 - Pilot evaluation service.

Network. Guidelines. Certification.

Interbeef Country Pilot run



Simple	assumed genetic correlation with other countries
Fast	calendar defined with the country
Cheap	1000€ per breed-trait combination
Valuable	Estimate the possible gain of international evaluation on EBV and reliabilities (<u>non-publishable</u>)

=> Opportunity to **try the Interbeef process**



"you try before you buy"



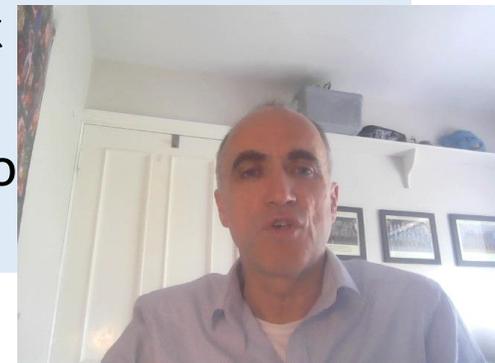
- New members => Italy & Estonia.
- Global Hereford project with ABRI-Breedplan.
- New carcass evaluations.
 - Beef from the dairy herd.
- GenTore (EU funded project).
 - New age at slaughter.
- New female fertility evaluations.
- Animal data exchange platform.
 - Exchange ID, pedigree, performance & genotypes.
- International semen exchange => genetic gain.
- Preparation for International genomic evaluations.

Inclusion of genomic data in Interbeef evaluations

Renzo Bonifazi, J. Vandenplas, J. ten Napel,
R. F. Veerkamp, M. P. L. Calus



- R&D nearing completion.
- LM breed, 7 countries, 330k 17k genotypes.
- Goal of bring forward as a ro 2022+



INTERBEEF TODAY

Standards



Sets guidelines for the identification, recording and genetic evaluation of beef cattle.

Combined data repository



Uses a shared platform (the Interbull Data Exchange Area) to ensure a fully automated validation process of each member's data.

Evaluation methods



Provides a support network for members that helps ensure the latest developments in genetic evaluation methods are used.

Validation and traits



Offers a pilot and test run service to incorporate new members, breeds and traits.

Multi-country comparisons



Provides country specific unbiased results (twice per year), to help enhance national and international beef breeding programs.

Sharing knowledge



Provides members with a vibrant, interactive forum for the sharing of knowledge ideas. This includes at least two meetings per year.

- See ICAR & Interbull websites for more information (brochure, reports & seminars...).
- **Come join a vibrant, growing group of people/orgs with a common purpose => national and international beef (& dairy beef!) improvement.**

Interbull Centre

- A description of the Interbull Centre activities and finances can be found in:
 - “Interbull Centre Activity Report 2020-2021”.
 - “Interbull Centre Financial Report 2020”.

www.interbull.org/ib/itbcreports

ICAR Interbeef webinar on "Working together..."

Watch later Share

INTERBEEF:
WORKING TOGETHER ON NATIONAL AND INTERNATIONAL EVALUATIONS F

10 DECEMBER, 20...
04.11.30 - 13.00 PARIS

Watch on YouTube