
changes in nattonai procedures

CAN (HOL) Base change, changes in the genomic reference population affecting the SNP estimates, when many MACE proofs are replaced by domestic EBV that include only local progeny of these international bulls $\underset{\text { ERA (HOL) }}{\text { (HOL) }} \begin{gathered}\text { (dropping out } \\ \text { Base change } \\ \text { Base change, }\end{gathered}$
NLD (HOL): Base change December 2023 evaluations
NLD (HOL): Base change
GBR (HOL) : Udates in atata and genot ypes
POI (HOLL): Changes in pedigrees and in the
the reference population
interbuli changes compared to the december routine run
No changes in Interbull procedures
Data and method of anaiysis
Thirteen Holstein populations sent GEBV data for up to 38 traits, while
classical EBVs for the same traits were used in the analyses. Young bull

countries participating in classical MACE. A buil will get a MACE EBV or
a GMACE EVE but not both.
F Cot
a GMACE EBV but not both.
From those thirteen countries, National Gebvs of bulls less than seven
classical MACE proof were included for the breeding value predi ction
with a further requir rement of eqither a a Mce-pa or a MAMC-PA (for young
genomic bulls with young genomic sires) being available.
with a further requirement of either a MACE-PA or a ©MAC
genomic bulls with young genomic sires) being available.
The parameter-space approach is used for the GMACE genetic evaluations (Sullivan, 2016)
scientific literature
The international genetic evaluation procedure is based on international work
Sullivan, p.G. 2016. Defining a Parameter Space for Gmace. Interbull bulletin 50, p 85-93.
VanRaden, P.M. and Sullivan, P.G. 2010. International genomic evaluation methods for dairy cattle. Gen. Sel. Evol. 42:7
Sullivan, P.G. and Jakobsen, J.H. 2012. Robust Gmace for young bulls methodology. Interbull Bulletin 45, Article 1.
Sullivan, P.g. 2012a. GMACE reliability approximation. Report to the GMACE working group of Interbull. GMACE_rels 2013 Sullivan, P.G. 2012b. GMACE variance estimation. Report to the GNACE working group of Interbull. GMACE_vce 2013
Sullivan, P.G. 2012c. GMACE Weighting Factors. Report to the GMACE working group of Interbull. GMACE_gedcs 2013
Jakobsen, J.H. and Sullivan, P.G. 2013. Trait specific computation of shared reference population. Reference sharing Nov 2013

## next test international evaluation

Dates for next test run can be found on http://www.interbull.org/ib/servicecalendar
pubitcation of interbuli routine run
Results were distributed by the Interbull Centre to designated
representatives in each country. The international evaluation file comprised representatives in each
international proofs expressed on the base and unit of each country includ in the analys.is. Such records readily provide more information on bull
performance in various countries, thereby minimising the need to resort
At the same time, all recipients of Interbul1 results are expected to honour
the aqged cood of practice, decided by the Interbull Steering ocmititee,
and onnly publish international evaluations on their own country scaie.
and only publi ish international evaluations on their own coountry scale. ${ }^{\text {a }}$.
Evaluations expressed on another country scale are confidential and may only
be used internally for research and review purposes.
Table 1. National evaluation dates in GMACE run April 2024
Country Date

==-==
Number of bulls in reference population for dce




Number of bulls in reference population for mce CAN 34767.0
DFS
5934.0




Number of bulls in reference population for dsb

| CAN 3878.0 |
| :--- |
| DFS |
| ITA |
| ITB |
| 4049.0 |




Number of bul1s in reference population for msb



