Introduction _____ The latest genomic routine international evaluation for longevity trait took place as scheduled at the Interbull Centre. Data from twenty one (21) populations were included in this evaluation. International genetic evaluations for direct longevity trait of bulls from Australia, Belgium, Canada, Switzerland, Germany, Denmark-Finland-Sweden Spain, France, The United Kingdom, Ireland, Israel, Italy, New Zealand, The Netherlands, The United States of America Hungary, Norway, Slovenia and Czech Republic were computed. Holstein breed data were included in this evaluation. Changes in national procedures _____ Changes in the national genetic evaluation of longevity traits are as follows: DEU (HOL) Some bulls are no longer published as they are no longer AI bulls and some appear now with a new ID. Inclusion of genotypes from young bulls belonging to Eurogenomic countries. ESP (HOL) The list of QTLs has been updated and enlarged, the residual polygenic effects are now FRA (HOL) estimated using a genomic matrix instead of a kinship matrix ITA (HOL) Cut one year of data (1999) and applied the base change NLD (HOL) Base change INTERBULL CHANGES COMPARED TO THE DECEMBER ROUTINE RUN _____ No changes in Interbull procedures DATA AND METHOD OF ANALYSIS _____ Eleven Holstein populations sent GEBV data for up to 38 traits, while classical EBVs for the same traits were used in the analyses. Young bull GEBVs from the GEBV providers have been converted to the scales of all countries participating in classical MACE. A bull will get a MACE EBV or a GMACE EBV but not both. From those eleven countries, National GEBVs of bulls less than seven years of age and with no classical MACE proofs were included for the breeding value prediction with a further requirement of either a MACE-PA or a GMACE-PA (for young genomic bulls with young genomic sires) being available. SCIENTIFIC LITERATURE _____ The international genetic evaluation procedure is based on international work described in the following scientific publications: 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 GMACE 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 ROUTINE INTERNATIONAL EVALUATION

Dates for next routine run can be found on http://www.interbull.org/ib/servicecalendar

NEXT TEST INTERNATIONAL EVALUATION

Dates for next routine run can be found on http://www.interbull.org/ib/servicecalendar

PUBLICATION OF INTERBULL ROUTINE RUN

Results were distributed by the Interbull Centre to designated representatives in each country. The international evaluation file comprised international proofs expressed on the base and unit of each country included in the analysis. Such records readily provide more information on bull performance in various countries, thereby minimizing the need to resort to conversions.

At the same time, all recipients of Interbull results are expected to honor the agreed code of practice, decided by the Interbull Steering Committee, and only publish international evaluations on their own country scale. 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 2015

	cry Da	te						
	20	 150401						
DEU	20	150408						
DFS	20	150202						
ESP	20	150320						
FRA	20	150410						
GBR	20	150314						
ITA	20	150312						
NLD	20	150401						
Table 2.								
Numbe	er of b	bulls in reference population for			dlo			
CAN 23921.0								
		29648.0						
		25345.0						
ESP	1174.0	26822.0	24109.0	27291.0				
FRA	1334.0	24698.0	21838.0	24521.0	25976.0			
GBR 2	22703.0	1135.0	1053.0	1033.0	1169.0	22753.0		
ITA 2	22158.0	988.0	882.0	867.0	995.0	22070.0	22391.0	
NLD	1260.0	20368.0	20120.0	19441.0	18490.0	1134.0	979.0	21519

.0