Introduction _____ The latest routine international evaluation for workability traits took place as scheduled at the Interbull Centre. Data from six (6) countries were included in this evaluation. International genetic evaluations for workability traits of bulls from Austria-Germany, Canada, Denmark-Finland-Sweden, France, Italy, Netherlands, Norway and Switzerland were computed. Holstein data were included in this evaluation. CAN, DEU, DFS, FRA, GBR and NLD contributed with GEBVs. msp: CAN, DEU, DFS, FRA, GBR, NLD tem: GBR, NLD Changes in national procedures _____ Changes in the national genetic evaluation of workability traits are as follows: NOR RDC The rolling definition of hys is causing the daughters to distribute somewhat differently over hys-classes at each evaluation. Therefore some bulls occasionally may lose EDC although the number of daughters stay the same. Reliability changes is a function of the EDC changes. DFS ALL New model and new genetic parameter for tem. SVN ALL Changed time period for data inclusion, average cut was 4 years. Changed the definition of genetic reference base to year 2010. Genetic parameters were recalculated for all breeds and traits. Changed herd to herd-year effect. Performed cleaning data based on genomic parentage test as a consequence the pedigree changed for some animals. INTERBULL CHANGES COMPARED TO THE DECEMBER ROUTINE RUN _____ No changes in Interbull procedures DATA AND METHOD OF ANALYSIS _____ Data were national genetic evaluations of AI sampled bulls with at least 10 daughters or 10 EDC (for clinical mastitis and maternal calving traits at least 50 daughters or 50 EDC, and for direct calving traits at least 50 calvings or 50 EDC) in at least 10 herds. Table 1 presents the amount of data included in this Interbull evaluation for all breeds. National proofs were first de-regressed within country and then analysed jointly with a linear model including the effects of evaluation country, genetic group of bull and bull merit. Heritability estimates used in both the de-regression and international evaluation were as in each country's national evaluation. Table 2 presents the date of evaluation as supplied by each country in the 01x-proof file. Estimated genetic parameters and sire standard deviations are shown in APPENDIX I and the corresponding number of common bulls are listed in APPENDIX II. SCIENTIFIC LITERATURE _____ The international genetic evaluation procedure is based on international work described in the following scientific publications: International genetic evaluation computation:

Schaeffer. 1994. J. Dairy Sci. 77:2671-2678 Klei, 1998. Interbull Bulletin 17:3-7 Verification and Genetic trend validation: Klei et al., 2002. Interbull Bulletin 29:178-182. Boichard et al., 1995. J. Dairy Sci. 78:431-437 Weighting factors: Fikse and Banos, 2001. J. Dairy Sci. 84:1759-1767 De-regression: Sigurdsson and G. Banos. 1995. Acta Agric. Scand. 45:207-219 Jairath et al. 1998. J. Dairy Sci. Vol. 81:550-562 Genetic parameter estimation: Klei and Weigel, 1998, Interbull Bulletin 17:8-14 Sullivan, 1999. Interbull Bulletin 22:146-148 Post-processing of estimated genetic correlations: Mark et al., 2003, Interbull Bulletin 30:126-135 Jorjani et al., 2003. J. Dairy Sci. 86:677-679 https://wiki.interbull.org/public/rG%20procedure?action=print

Time edits Weigel and Banos. 1997. J. Dairy Sci. 80:3425-3430

International reliability estimation Harris and Johnson. 1998. Interbull Bulletin 17:31-36

NEXT ROUTINE INTERNATIONAL EVALUATION

The next routine evaluation of Interbull for production, conformation, udder

health, longevity, calving, female fertility and workability traits is scheduled for April 2015. Deadline for sending data to the Interbull Centre is Tuesday November 18, 2014, 17:00 CET; confidential distribution of results is targeted for Wednesday November 26, 2014, with earliest possible official release of results on March 23, 2015. Please remark the three week turnaround time.

NEXT TEST INTERNATIONAL EVALUATION

The next test run for production, conformation, udder health, longevity, calving, female fertility and workability traits will take place in February 2015. Countries planning to introduce changes in their national evaluation procedures and wishing to have them included in the routine Interbull evaluation, should have their data examined in this test run. New data and validation results should be sent to the Interbull Centre no later than February 3, 2015, 17:00 CET.

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 August 201
Country	Date
	20141201
DEU	20141202
DFS	20141102
FRA	20141204
NLD	20141201
GBR	20141201
======	
Table 2	
	of bulls in reference population for msp
CAN 100	71.0
DEU 11	09.0 24533.0
DFS 9	29.0 22041.0 22670.0
FRA 12	57.0 20290.0 19398.0 21692.0
NLD 10	58.0 21990.0 21879.0 19624.0 22831.0
GBR 91	04.0 968.0 799.0 1100.0 918.0 9181.0
	of bulls in reference population for tem
NLD 210	