INTRODUCTION
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This GMACE run includes GEBV data from the following countries:
CAN DEU DFS FRA GBR NLD

Changes in national procedures
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Changes in the national genetic/genomic evaluation of workability traits are as follows:

tem     First GMACE run for tem, with CAN, GBR and NLD submitting GEBVs
FRA     Submitting ofl GEBVs for the first time
DEU     There is no longer a distinction nationally between 1st and 2nd crop of daughters (as consequences of genomically proven bulls), thus type of proof is either 11 (German bull) or 21 (foreign bull); there are quite a number of bulls mentioned as "missing", however most of these appear now with another (correct) ID, these are mostly Danish bulls

INTERBULL CHANGES COMPARED TO THE MARCH ROUTINE RUN
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No changes in Interbull procedures

SCIENTIFIC LITERATURE
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The GMACE procedure is based on the following scientific publications:

GMACE implementation:
  Sullivan, P.G. and VanRaden, P.M. 2010. Interbull Bulletin 41:3-7

International genetic evaluation computation:

Verification and Genetic trend validation:
  Boichard et al., 1995. J. Dairy Sci. 78:431-437

Weighting factors:

De-regression:

Genetic parameter estimation:
  Klei and Weigel, 1998, Interbull Bulletin 17:8-14

Post-processing of estimated genetic correlations:
  Mark et al., 2003, Interbull Bulletin 30:126-135

Time edits

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

NEXT ROUTINE INTERNATIONAL EVALUATION
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According to time schedule in http://www.interbull.org/ib/servicecalendar
According to the time schedule on http://www.interbull.org/ib/servicecalendar

Rules regarding publication of test evaluations should be observed.

Table 1. National evaluation dates in GMACE run August 2014

<table>
<thead>
<tr>
<th>Country</th>
<th>Date</th>
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<tbody>
<tr>
<td>CAN</td>
<td>20140801</td>
</tr>
<tr>
<td>DEU</td>
<td>20140812</td>
</tr>
<tr>
<td>DFS</td>
<td>20140812</td>
</tr>
<tr>
<td>FRA</td>
<td>20140814</td>
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<tr>
<td>NLD</td>
<td>20140801</td>
</tr>
<tr>
<td>GBR</td>
<td>20140801</td>
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</tbody>
</table>

Table 2.

Number of bulls in reference population for msp

<table>
<thead>
<tr>
<th>Country</th>
<th>Count</th>
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</thead>
<tbody>
<tr>
<td>CAN</td>
<td>9873.0</td>
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<tr>
<td>DEU</td>
<td>1009.0</td>
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<tr>
<td>DFS</td>
<td>924.0</td>
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<tr>
<td>FRA</td>
<td>1157.0</td>
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<tr>
<td>NLD</td>
<td>1043.0</td>
</tr>
<tr>
<td>GBR</td>
<td>8658.0</td>
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</table>

Number of bulls in reference population for tem

<table>
<thead>
<tr>
<th>Country</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAN</td>
<td>9566.0</td>
</tr>
<tr>
<td>NLD</td>
<td>1027.0</td>
</tr>
<tr>
<td>GBR</td>
<td>8482.0</td>
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</tbody>
</table>