Administrative matters

• Technical Committee ToR – end of Jan 2013

• Calendar of TC meetings
  – ICAR meetings, before WG
  – Technical sessions

• Research Infrastructure
  – Mix99
  – Virtual machine with same environment as in ITBC
  – Research agreements
    • Data usage & publication of results
    • Mix99
Calving traits pilot run

• Data format
  – Accommodate records from calves without ID
  – Guidelines updated – File 602
  – Research plan – CZE

• Other research plans
## Expected participation in the calving traits pilot

<table>
<thead>
<tr>
<th>Country</th>
<th>Breed</th>
<th>Calving ease</th>
<th>Stillbirth</th>
<th>Birth weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>France</td>
<td>CHA, LIM</td>
<td>X</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>Czech Republic</td>
<td>CHA, LIM</td>
<td>X</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>Ireland</td>
<td>CHA, LIM</td>
<td>X mostly on crossbreeds</td>
<td>Few observations</td>
<td>Few observations</td>
</tr>
<tr>
<td>Denmark</td>
<td>CHA, LIM</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Sweden</td>
<td>CHA, LIM</td>
<td>X</td>
<td>?</td>
<td>X</td>
</tr>
<tr>
<td>Spain</td>
<td>LIM</td>
<td>-</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>Finland</td>
<td>?</td>
<td>?</td>
<td>?</td>
<td>?</td>
</tr>
<tr>
<td>Great Britain</td>
<td>LIM</td>
<td>X</td>
<td>-</td>
<td>X</td>
</tr>
</tbody>
</table>
Calendar of evaluations for 2013

- Proposal from TC
  - 2 runs: January & August

- Proposal from ITBC
  - End of January
  - Beginning of June
• Implementation flow
  – Incoming data checks
  – Data editing/preparation
  – Correlations
  – Pedigrees
    • FRA
  – EBVs
  – Reliabilities
Phenotypic data editing (TC)

• Animals not in pedigree database: exclude
• No birth year editing
• Twins: specify in the parameter file if they include or not twins
• ET.:
  – File listing ETs without performance record
  – No ET performances but included in the pedigree
• Biological range:
  – No edits in the dependent variable
  – AWW distribution sent to the countries for verification
• Consistency of sire(dam)/breed
  – Sire missing and dam of the same breed as the calf: keep record
  – Dam missing: delete record
Phenotypic data editing (TC)

- Covariates: no edit, send distribution back to country
- Ireland: provide only non-adjusted weaning weight
- Contemporary group:
  - Check distribution
  - Records/CG: parameter file
- Number of progeny per sire: no edit
- Number of records per fixed effects: report distribution to country
**LIM – Correlation matrix**

<table>
<thead>
<tr>
<th></th>
<th>cze(1)</th>
<th>dnk(2)</th>
<th>esp(3)</th>
<th>gbr (4)</th>
<th>irl (5)</th>
<th>swe (6)</th>
<th>fra (7)</th>
<th>fin (8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>cze(1)</td>
<td>0.58293</td>
<td>0.81182</td>
<td>0.73604</td>
<td>0.76561</td>
<td>0.48380</td>
<td>0.69901</td>
<td>0.30021</td>
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<tr>
<td>dnk(2)</td>
<td>0.50885</td>
<td>0.47934</td>
<td>0.85390</td>
<td>0.94272</td>
<td>0.88691</td>
<td>0.68058</td>
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<tr>
<td>esp(3)</td>
<td>0.71346</td>
<td>0.43524</td>
<td>0.32046</td>
<td>0.51272</td>
<td>0.52234</td>
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<tr>
<td>gbr (4)</td>
<td>0.51513</td>
<td>0.33164</td>
<td>0.50833</td>
<td>0.51480</td>
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<td>irl (5)</td>
<td>0.88423</td>
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<tr>
<td>swe (6)</td>
<td>0.87650</td>
<td>0.57405</td>
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<td></td>
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<tr>
<td>fra (7)</td>
<td></td>
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<td>0.51536</td>
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</table>
### CHA – Correlation matrix

<table>
<thead>
<tr>
<th></th>
<th>irl (1)</th>
<th>cze (2)</th>
<th>dnk(3)</th>
<th>swe(4)</th>
<th>fra (5)</th>
<th>fin (6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>irl (1)</td>
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<td>0.63740</td>
<td>0.97609</td>
<td>0.86326</td>
<td>0.72341</td>
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<tr>
<td>cze (2)</td>
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<td></td>
<td>0.75286</td>
<td>0.32319</td>
<td>0.40179</td>
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<tr>
<td>dnk(3)</td>
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<td>0.75279</td>
<td>0.60264</td>
<td>0.64157</td>
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<tr>
<td>swe(4)</td>
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<td>0.49651</td>
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<tr>
<td>fra (5)</td>
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<td></td>
<td></td>
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<td>0.39921</td>
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</tbody>
</table>
Correlation matrix (TC)

- Re-estimate VCE using a smaller better-connected data set.
  1. Common bulls
  2. Ancestors
  3. Progeny
  4. Mates
  5. Contemporaries
Recommendations of Changes

• Guidelines
  – New agreed file formats
  – New parameter file
  – Specification on how to report calving traits

• **International genetic evaluation**
  – Re-estimate international EBV for AWW
    • New set of editing rules
    • New VARCOMP
    • Review estimation of reliabilities
Publication rules and use of Interbeef results

• Distribution of Pedigree:
  – No agreement
  – Different rules for distribution of males and females

• Two sets of files distributed:
  – File containing all animals only for checks
  – Publication file with only publishable animals

• Publication decided by each Service User based on public/transparent criteria
Summary of outcomes

• Calving data: mid-January 2013
• Research agreement: finalized at Stansted
• IRL: provide cross bred animals
  – Tracing back a pedigree to study heterosis/recombintation
• João: report and recommendations to WG
Work plan (ITBC)

1. Re-extract pedigrees FRA
2. Adopt new editings (23/1)
3. Create data for VARCOMP (1/2)
4. Re-run VARCOMP (23/2)
5. Re-run EBV (1/3)
6. Re-run reliabilities (1/3)
7. Distribution
Work plan (Countries)

• Update pedigrees
• File with ET animals without performance
• New parameter files for AWW
• New data and parameters for calving traits
• Latvia and Germany?