Interbull Centre Activity Report
2013-2014
Berlin, Germany – May 20-21, 2014
Section of the Department of Animal Breeding and Genetics of the Swedish University of Agricultural Sciences (SLU)

Operational unit of the ICAR permanent sub-committee Interbull

European Union Reference Laboratory (EURL) for Zootechnics (Bovine Breeding).
Contents

1. Personnel
2. Service & Operations
3. Research & Development
4. Work plans & Events
5. Finances & Budgets
PERSONNEL
Interbull Centre

- Erling Strandberg
- João Dürr
- Hossein Jorjani
- Eva Hjerpe
- Valentina Palucci
- Carl Wasserman
- Mohammad A. Nilforooshan
- Petri Pennanen
- Dan Englund
- Gerald Jansen (consultant)

- Jette Jakobsen
- Anne Loberg (PhD student)
SERVICE AND OPERATIONS
Evaluation runs in the period

- **Test runs**
  - September 2013
  - January 2014

- **Routine runs**
  - December 2013
  - April 2014
Validation of National EBVs and GEBVs

- Methods I, II and III
  - Follow the official test evaluations calendar
- The GEBV test
  - Any time
- Validation software
  - GEBV test: 2013
- Mendelian sampling trend validation - Valentina Palucci
<table>
<thead>
<tr>
<th>Breed Group</th>
<th>Production</th>
<th>Conformation</th>
<th>Udder Health</th>
<th>Longevity</th>
<th>Calving</th>
<th>Female Fertility</th>
<th>Workability</th>
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<td>Conformation (23)</td>
<td>Udder Health (2)</td>
<td>Longevity (1)</td>
<td>Calving (4)</td>
<td>Female Fertility (5)</td>
<td>Workability (2)</td>
<td>TOTAL (40)</td>
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</table>
- Pilot study – Dec 2013
  - No genomic variance estimation step
  - Genomic reliabilities as a combination of predicted reliabilities and national reliabilities
- Bull controlling country list

<table>
<thead>
<tr>
<th>Populations in April 2014</th>
<th>Production (3)</th>
<th>Conformation (23)</th>
<th>Udder Health (2)</th>
<th>Longevity (4)</th>
<th>Calving (4)</th>
<th>Female Fertility (5)</th>
<th>Workability (2)</th>
<th>TOTAL (40)</th>
<th>Number of publishable proofs (production)</th>
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</table>
New validation run

New service user: CAN

New cooperation agreement (2.0)

- Sharing of all male genotypes available among the participating organizations, including young bulls
- Adoption of the genomic evaluations run at the national centers as "Intergenomics results"
- Establishment of quality control procedures to assure same standards for all participating scales
Services and Operations

- Streamlining of operations – *Eva Hjerpe*
- Quality assurance
- Interbull Bulletin
- New Interbull webpage
  - New discussion forum
Meetings

- 2013 Interbull Meeting
  - Nantes, France
  - August 23-25, 2013
  - 30 years of Interbull
RESEARCH & DEVELOPMENT

- MACE robust to bias in trends
  - INRA & Institute de l’Elevage
- World Guernsey Cattle Federation
WORK PLANS
### Routine Runs

<table>
<thead>
<tr>
<th>Year</th>
<th>Release date</th>
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<td>December 2</td>
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### Test Runs

<table>
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Future Meetings

- The 2015 Interbull meeting will precede the 2015 ADSA®-ASAS Joint Annual Meeting
  - Orlando, Florida, USA, July 9 to 12, 2015.

- The 2016 ICAR/Interbull meeting
  - Puerto Varas, Chile, October 24 to 28, 2016
Thanks to all our collaborators!

The Interbull Centre Team