



THE GLOBAL STANDARD  
FOR LIVESTOCK DATA

Network. Guidelines. Certification.

# SC ID – Update

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[www.icar.org](http://www.icar.org)

# Contents :

- Chair / Convenor of SC - 2017 Plan ?
- Current SC – need to add new members?
- Promotion Task Force – 1<sup>st</sup> fill chair & membership ?
- ID Anomalies/Issues at Interbull – SC role

# ICAR SC ID - Chair

- MB has filled in for last 6- 8 months but needs to step back
- 'Call' sent in 2016 with only one applicant who did not qualify (Associate Member) – so no success.
- In absence of suitable candidate forthcoming, what are our options??
  - Elect Chair from within existing SC ?
  - Rotate the role amongst SC ?
  - ??

# ICAR SC ID – Members Review

- **6 Members;**



- **5 Laboratory Representatives;**

- DLG, Germany, Susan Gaeckler
- IMA Wageningen, The Netherlands. Pieter Hogewerf
- SAIT, Calgary, Canada, Robert Davies
- RYK from Denmark (Jonas Persson) (Also Member ?)
- CETIM, Nantes, France, Mrs. Aude Didier

**Need to identify and recruit new members to SC**



# Promotion Task Force

**see TOR – for discussion by SC**



## ID Issues in Interbull

Proposals for improvements of IDEA to facilitate international data exchange

Gerben De Jong, Chile 2016 The Genetic Centres of Nordic countries, France, Germany, Netherlands, Spain



# Whats the Problem? Motivation?

- Proper/unique identification of animals across countries is an ongoing challenge
  - ➔ all A.I. bulls and their parents should be identified properly/uniquely in IDEA
- But reality is (somewhat) different, e.g.:
  - August 2016 MACE/GMACE: min. 65 bulls double in official HOL result files
    - Mainly HOL↔RED
  - Seems situation is getting worse as bulls at young age are exchanged internationally

➔ Improvement needed



# Issues with IB-ID-19 (I.)

- Some countries use two identifications for one animal in international exchange of data
  - better to have just one number
  - in 'old' testing system enough time to link id's
  - in genomic era no time -> one lifetime ID more important
- Gerben's Proposal:
  - IB should strive for IB-ID's based on the animal ID given at birth
  - Countries and series of ID's within country can be identified



# Issues with IB-ID-19 (II.)

- Includes information NOT part of official (unique, national) animal ID's
  - Breed, Sex
  - Especially for 'breed', e.g.

HOLCOUM000123456789 ⇔ REDCOUM000123456789

RED = red Holstein

- HOL evaluation: HOLGBRM000000541484 ⇔ BFRGBRM000000541484

HOLBELM066404715088 ⇔ BWRBELM066404715088

- SIM evaluation: SIMAUTM000166754811 ⇔ REDAUTM000166754811

SIMCANM000000311568 ⇔ HOLCANM000000311568

SIMCZEF000000715361 ⇔ MONCZEF000000715361

- JER evaluation JERNZLM000000512017 ⇔ HOLNZLM000000512017

-> too free interpretation of breed

## Issues with IB-ID-19 (II. cont.)

But: in some countries ID is not unique across breeds

- mainly on id of 'very' old animals
- > breed code is needed for unique id

### Gerben's Proposal:

Remove 'breed/colour' from IB-ID for the younger generation

Provide this information separately

To improve situation for current animals/generation

# Issues with IB-ID-19 (III.)

USA uses different country codes in IB-ID (USA ⇔ 840)

- This while the numeric series within 'USA' and '840' are not overlapping
- ➔ creates miss-identification and need of cross-references

## Gerben's Proposal:

IB no longer accepts '840' as country code and in general use of more than one country code for a given country

## Alternative:

- Follow official ICAR recommendation 'name of the country ... Three digit numeric ISO codes must be used for data transfer and storage
- i.e. set all country codes to numeric

# Potential duplicates

- Several countries not uniquely register animals with IB-ID-19
  - complete and up-to-date cross-references are very important
- But countries being not country of birth can only 'propose' duplicates that only become effective if the country of birth verifies them
- Not all countries work frequently pedigree matters in Interbull database
- **Gerben's Proposal:**  
IB establishes a system not just monitoring the situation but actively 'reminds' countries that didn't work within a certain time on pedigree matters

# Further improvement proposals

- Interbull should extend IDEEA for following information:
  - National herdbook-ID (under control of BCC)
  - Short name of bull (under control of BCC)
  - Genetic recessives of bull
- Other countries than owner should be allowed to fill up missing pedigree information

# Summary

- **Recommended improvements**
  - IB-ID exclusively based on lifetime ID
  - Unique country code in IB-ID
  - Monitoring of work on potential duplicates (pedigree matters)
  - Extension of pedigree information for
    - bull short name (in BCC)
    - bull herdbook number (in BCC)
    - bull genetic recessives
  - No more breed/colour in IB-ID
    - At least for younger generations

# Next steps???

On the 27th Oct in Chile myself, Jay, Marj Faust and Joao Durr met for 30 mins to discuss some of the **ID issues** as flagged by Gerben in his paper at the Interbull sessions earlier in that week. Its fair to say at the outset this 'issue' has been under discussion for some time - we agreed its time we in the ICAR community got a handle on it. To try and work out a way forward for our members. The summary points of this small group discussion are below;

1. We agreed we need to define a **'Problem Statement'** - to get started we will use Gerben's specifics/examples in each case ? (with input from Interbull/Interbeef/Intergenomics) to define.
2. Small team of selected 'member users' to review and verify the problems as described by Gerben and set priorities. (make of this 'members users' team to be defined).

# Next steps???

**3.The SC ID** needs to complete its review of the ICAR guidelines, take ownership and consolidate all the paragraphs where ID is stipulated into Section 10 that all other WG/SC/Members can reference. Guideline sections to consolidate include, but is not limited to, Sections 1.1.1 - 1.1.4, Section 9.1.1.2, Section 10, Section 15.

4.Once the consolidated draft is ready we should circulate to selected representative members for comment/review/feedback eg USA, UK, FRA, IRL etc

5.Subject to edits in step 3. above we can then recommend a final Draft Guidelines for ID to General Assembly for approval and adoption.



# Next steps???

Some points worth noting;

1.Its important from the outset we look at this as not as 'inquisition' but a collaborative effort to come up with a solution that is workable for all. In doing that the emphasis should be how we move forward from where we are now, rather than how we got to here.

2.On any proposed guideline/solution(s) we need to be clear in our communication to our members.



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# Discussions

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