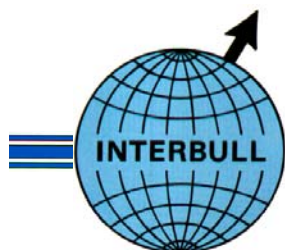




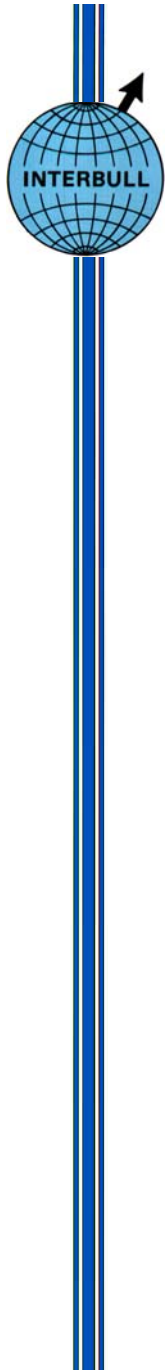
ICAR Subcommittee Interbull



Reinhard Reents

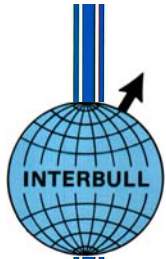
Chairman of the Interbull Steering Committee,
United Information Systems Animal Production





Outline

- Role and Structure
- International genetic evaluation service
- Current issues and developments



Interbull Activities

■ Communication:

- Meetings → Dublin, August 2007, Madison Oct. 2007
- Workshops → new traits / developments
- Publications → Interbulletin, Proceedings Aug. 07
- Homepage
 - Information on MACE
 - Information on national genetic evaluation systems
 - Plus discussion forums

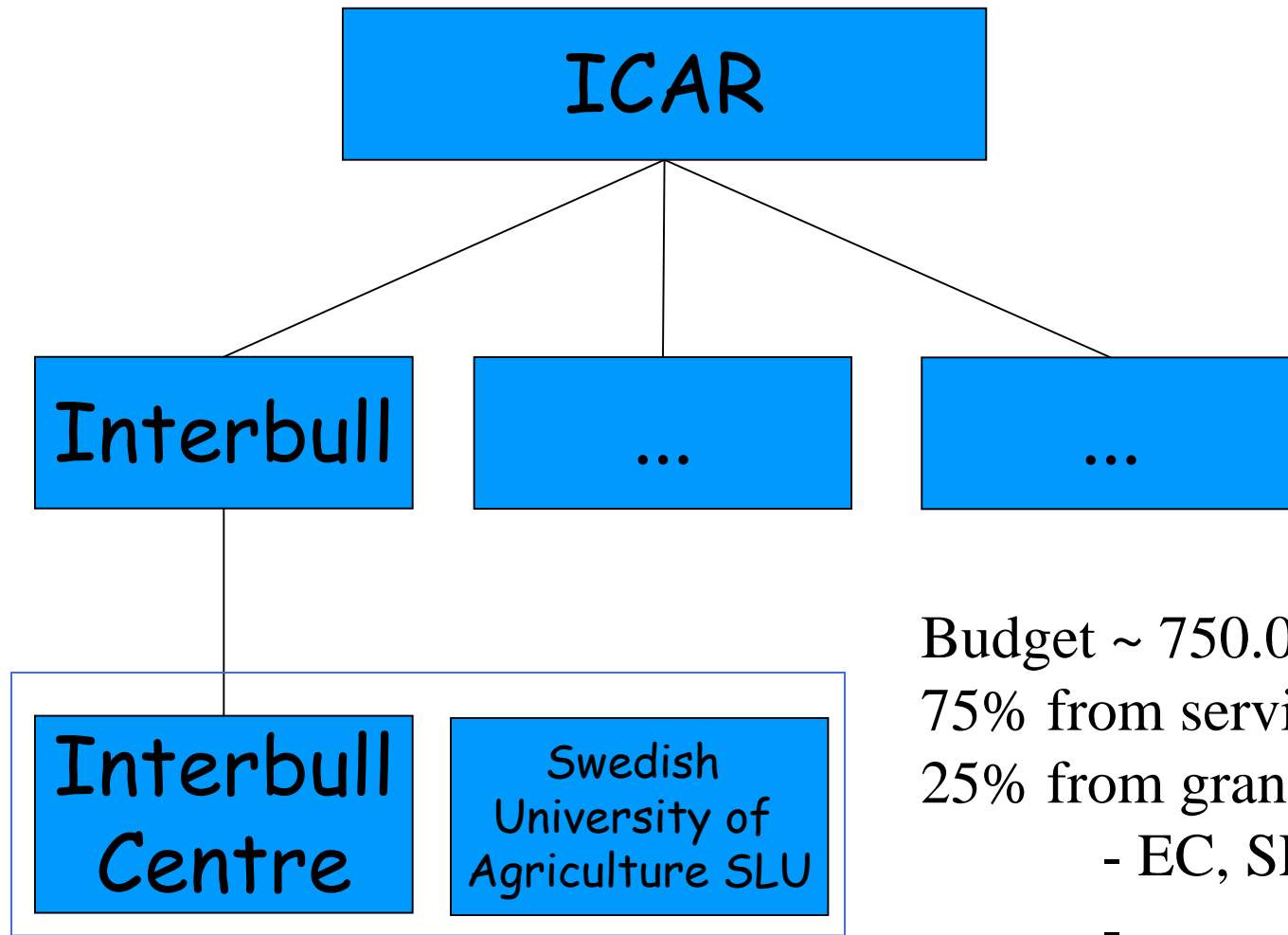
■ Conduct research and development (R&D)

■ Technology support to members

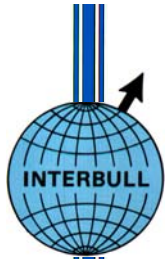
■ ***International genetic evaluations***



Structure



Budget ~ 750.000 €
75% from service fees
25% from grants
- EC, SLU
- ...



Interaction with the members

Interbull Members (43)



Business Meeting



Scient. Adv.
Committee

Steering
Committee

Technical
Committee

Interbull
Centre



Steering Committee

- Reinhard Reents, Chairman, DEU
- Gerd Pedersen Aamand, DNK
- Brian van Doormaal, CDN
- Dorota Krencik, POL (outgoing)
- Sophie Mattalia, FRA
- Bill Montgomorie, NZL
- Paul van Raden, USA
- Enrico Santus, ITA (renominated)
- Hans Wilmink, NLD

- Jan Philipsson, secretary, SWE



Technical Committee

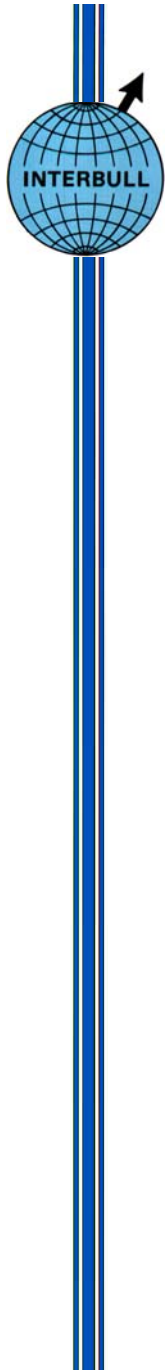
- Hans Wilmink, Chairman, NLD
- Freddy Fikse, ITB
- Gerrit Kistemaker, CAN
- Tom Lawlow, USA
- Zengting Liu, DEU
- Esa Mantysaari, FIN
- Raphael Mrode, UK

Genetic evaluation experts

Scientific Advisory Committee

- Georgios Banos, Chairman, GREECE
- Vincent Ducrocq, FRA
- Mike Goddard, AUS
- Larry Schaeffer, CAN

Outstanding scientists for animal genetics



Staff

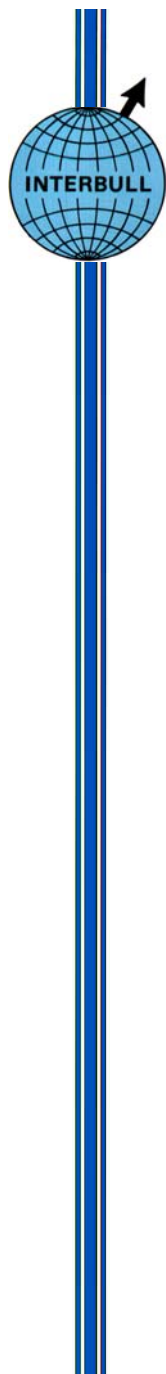
- **Permanent**

- 5 scientists

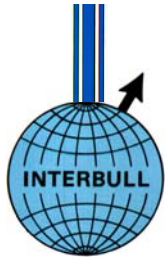
- 1 technical person / secretary

- **Temporary**

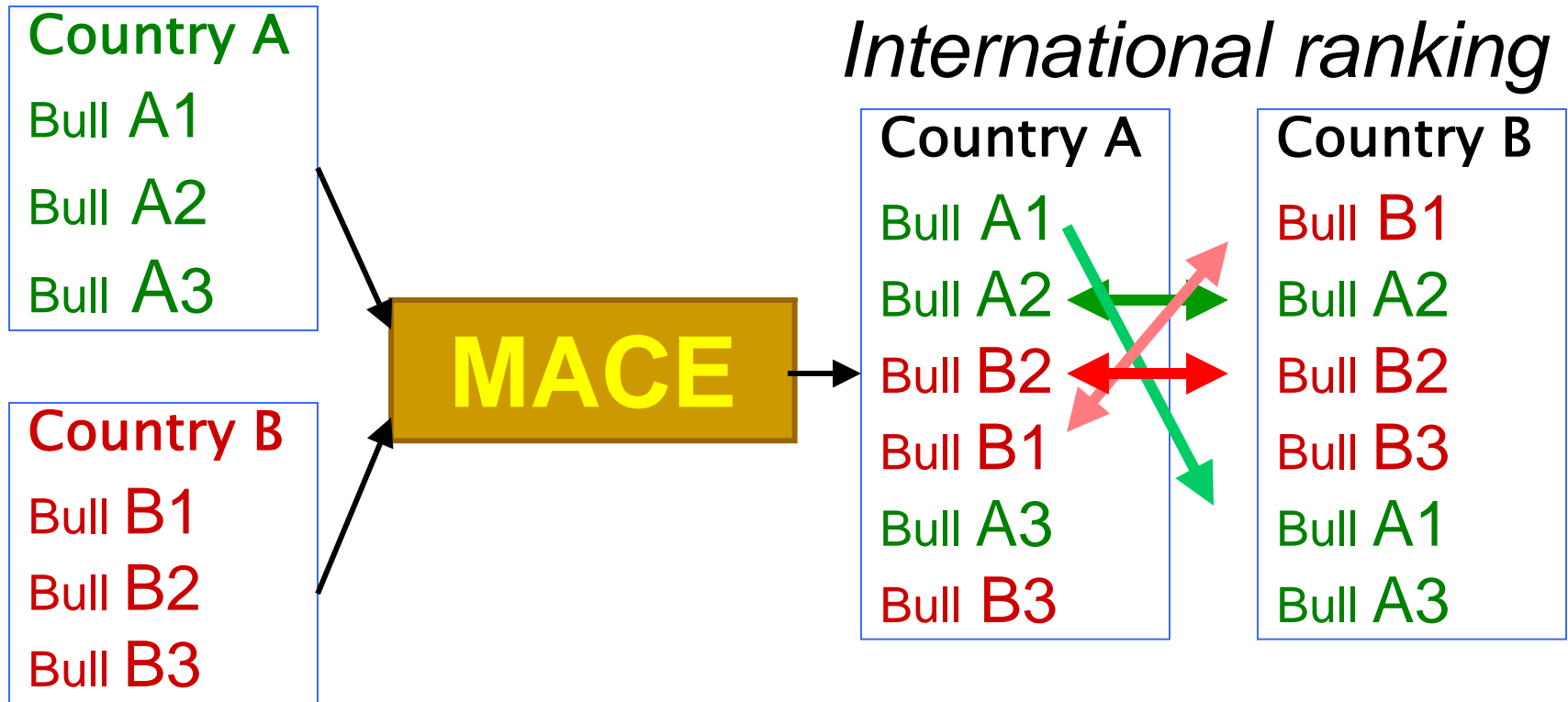
- one full time equivalent

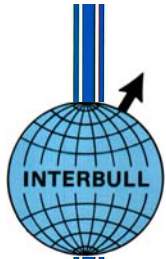


International Genetic Evaluation Services



MACE visualised

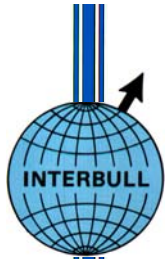




Participation Rate

Number of bull populations

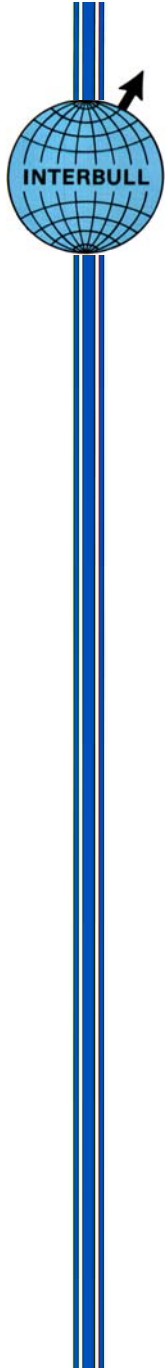
	Prod.	Conf.	Udder
RDC	11	8	10
BSW	9	7	8
GUE	6	4 5	
HOL	25	21	23
JER	10	9	8
SIM	10 -	8	
Total	71	49	62



Participation Rate

Number of bull populations

	Long.	Calv.	Fem. Fert
RDC	9	5	7
BSW	6	4 5	
GUE	5	- 4	
HOL	19	12	16
JER	7	- 6	
SIM	2 -	2	
Total	48	18	40

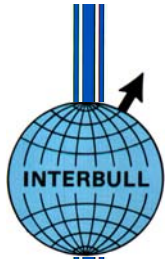


Current issues and developments



Service expansion

- Milking speed & Temperament
 - Test run in September 2008
- Body condition score & Locomotion
 - Test run in September 2008
- Calving traits for Simmental
 - Pilot run in 2009



Evaluation schedule

- Reduction to three runs well accepted
 - April ok
 - August ok
 - January concerns

- Timing of December / January run
 - Concerns about unequal space between runs
 - Concerns about time between data delivery to IB centre and January release
 - Earliest change would be December 2009
 - ➔ stay with it until all possibilities for addressing these issues have been evaluated



Genomic evaluation

- Joint session of Interbull and ICAR on June 18, 2008
 - Excellent overview on development in various parts of the world
 - Using ~ 50.000 SNPs to estimate an EBV with a reliability that is significantly higher than parent average (standard so far for young animals) but also significantly lower than a progeny test bull (standard for bulls that are widely used)
 - Use of this information
 - Some countries plan to incorporate this into their official evaluations → market bulls on GEBV widely
 - Some countries use this for a much better preselection of young bulls for entering progeny test



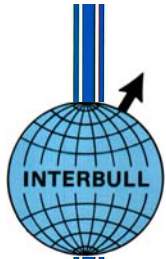
Genomic evaluation II

- Interbull SAC has addressed the arising questions and gave a written and oral report for this meeting
 - Discussed in our business meeting June 19
- IB SC decided
 - To have a workshop in February 2009 on use of genomic information in genetic evaluations
 - National level
 - International level
- Created a task force of experts in this field
 - Prepare workshop
 - Address this topic scientifically



Strategic plan

- Interbull is working on a strategic plan accommodate the different developments
 - Use of molecular genetic evaluation data
 - More complex selection strategies
 - How to intensify contact with end users of Interbull evaluations
 - Data recording
 - Inhouse versus outsourced activities
 - ...



Conclusions

- Very successful meeting in Niagara falls
 - Interbull thanks the organisers
- Thank you for your attention

P : G = 2 : 3