Form GE

Status as of: 2014-08-25

DESCRIPTION OF NATIONAL GENETIC EVALUATION SYSTEMS

Country (or countries)	SLOVENIJA
Main trait group[1] **NOTE!** Only one trait group per form!	WORKABILITY
Breed(s)	HOL, SIM, BSW
Trait definition(s) and unit(s) of measurement[2] Attach an appendix if needed	Milking Speed: linear score 1 – 5.
Method of measuring and collecting data	Only first lactation linear scoring is included in genetic evaluation.
Time period for data inclusion	Calving from 01.01.2004
Age groups (e.g. parities) included	1st parity
Other criteria (data edits) for inclusion of records	Classifier*year >= 10 scores Classifier (total) >= 20 scores (calving date - birth date) <= 1200 days 5 <= (scoring date - calving date) <= 365
Criteria for extension of records (if applicable)	
Sire categories	AI
Environmental effects[3]**, pre-adjustments**	No
Method (model) of genetic evaluation[3]	ST – AM – BLUP
Environmental effects[3] **in the genetic evaluation model**	F – classifier*year F – class(birth year)*class(scoring date - calving date) F – calving season*year R – herd*year
Adjustment for heterogeneous variance in evaluation model	
Use of genetic groups and relationships	
Blending of foreign/Interbull information in evaluation	No
Genetic parameters in the evaluation	Use Appendix GE for heritability/genetic variance estimates; for multiple-trait genetic evaluations, provide genetic correlation estimates between traits separately. Use **also** appendices PR, CO, BCO, SM, LO, CA, as applicable, if you participate in the international genetic evaluations of Interbull
System validation	Genetic trend validation – method 3
Expression of genetic evaluations If standardised (e.g. RBV), give standardisation formula in the appendix	BV12=((BV-a)/b)*12+100 a – mean of BV b – standard deviation of BV

Definition of genetic reference base	Mean of cows born in 2005
Next base change	2016
Calculation of reliability	Yes
Criteria for official publication of evaluations	reliability >= 0.3
Number of evaluations / publications per year	3
Use in total merit index[4]	HOL: Milking Speed 2% BSW: Milking Speed 3% SIM: Milking Speed 1%
Anticipated changes in the near future	Change of genetic base
Key reference on methodology applied	Web site: http://www.bf.uni-lj.si/zootehnika/struktura/katedre-in-enote/center-za-strokovno-delo-v-zivinoreji/govedo/
Key organisation: name, address, phone, fax, e-mail, web site	University of Ljubljana, Biotechnical Faculty, Department of Animal Science, Groblje 3, 1230 Domzale, Slovenija Tel. +386 1 3203 872 Fax: +386 1 7241 005 Jurij.Krsnik@bf.uni-lj.si, Klemen.Potocnik@bf.uni-lj.si

1) Either: Production (e.g. milk, fat, protein), Conformation, Health (e.g. mastitis resistance, milk somatic cell, resistance to diseases other than mastitis), Longevity, Calving (e.g. stillbirth, calving ease), Female fertility (e.g. non-return rate, interval between reproductive events, number of AI's, heat strength), Workability (e.g. milking speed, temperament), Beef production, Efficiency (e.g. body weight, energy balance, body conditioning score), or Other traits.
2) Indicate frequencies per category if the trait is categorical and specify transformation of data if practiced.
3) Use abbreviations for most common effects (see document with list of abbreviations at http://www-interbull.slu.se/service_documentation/General/list_of_abbreviations.rtf) and indicate random (R) or fixed (F).
4) Please give economic weights and indicate how they are expressed (preferably in genetic standard deviation units).

Parameters for national genetic evaluations for workability traits as provided to Interbull

Country (or countries): SLOVENIJA
Main trait group: WORKABILITY
Breed (repeat as necessary): HOL

Trait	Definition	ITB[a]	h^{2b}	genetic variance[b]	official proof standardisation formula[c]
Milking Speed	Scale 1-5	X	0.089	0.04073	BV12=((BV-(0.00923))/ 0.07505)*12+100
Temperament					

Country (or countries): SLOVENIJA
Main trait group: WORKABILITY
Breed (repeat as necessary): SIM

Trait	Definition	ITB[a]	h^{2b}	genetic variance[b]	official proof standardisation formula[c]
Milking Speed	Scale 1-5	X	0.081	0.03609	BV12=((BV-(-0.00738))/ 0.07562)*12+100
Temperament					

Country (or countries): SLOVENIJA
Main trait group: WORKABILITY
Breed (repeat as necessary): BSW

Trait	Definition	ITB[a]	h^{2b}	genetic variance[b]	official proof standardisation formula[c]
Milking Speed	Scale 1-5	X	0.095	0.04277	BV12=((BV-(-0.01708))/ 0.08313)*12+100
Temperament					

[a] Indicate, with X, traits that are submitted to Interbull for international genetic evaluations.
[b] If repeated records are treated as separate traits, provide heritability estimates and genetic variances separately for each trait, as well as for all traits pooled, i.e. for the trait submitted to Interbull.
[c] Expressed as follows:
StandEval=((eval-a)/b)*c+d where a=mean of the base adjustment, b=standard deviation of the base, c=standard deviation of expression (include sign if scale is reversed), and d=base of expression.