

<i>DATA COLLECTION</i>	
Country (or countries)	Latvia
Trait name	Weaning weight
Breed(s)	Charolais, Limousin
Trait definition	Weight at 200 days
Method and frequency of measurement	Weighting of animals in recorded herd according to ICAR general rules and guidelines. Animal are weighted in 90-250 day period. Unit is kg
Who does the performance recording?	Certified person by Agriculture Data Center.
Method of collecting data	The weaning weight is collected by specially trained personell, working with Agriculture Data Center
Which animals get recorded?	Purebred animals with breed percentage 97,50% - 100%
Is birthday recorded?	yes
Is day of recording available?	yes
Is the data adjusted and/or selected? If yes please describe the methodology applied	Live weight are adjusted to defined age of 200 days.
Time period for inclusion of data	Since 1995
Criteria (data edits) for inclusion of records	Weight has to be within in 3 standard deviations from breeds mean value. 99,5% of data qualify this criterion.
Is embryo transfer applied? How are ET animals identified? Is recipient mother ID recorded?	N/A
How do you treat incomplete data?	Incomplete data are deleted
<i>MODEL</i>	
Model used for genetic evaluation	ST- BLUP-AM
Environmental effects	classes of sex F Year-season effects F Lactation number F Herd-year effects R animal A dam M
Use of genetic groups and relationships	Not defined yet
Adjustment for heterogeneous variance in evaluation model	Not done yet

System validation	Data quality (basic data, pedigree information etc.) and result (exchange of breeding value between testing, stability etc.) checking
Definition of genetic reference base Next base change	Yearly rolling base. (5 year base) December 2019: (Ĥ bulls born 2009 – 2014)
Assessment of index quality (computation of reliability, connection)	Reliability calculation is done using phenotype data and pedigree
<i>PUBLICATION</i>	
Expression of genetic evaluations	Relative breeding values (RBV) are published: $RBV = EBV + (100 - \text{average_of_EBV_for_a_base_population})$
Criteria for official publication of evaluations	10 daughters
Number of evaluations / publications per year	1 (February)
Anticipated changes in the near future	Genetic evaluation of maternal effects
Key reference on methodology applied	
Key organization : contact person, address, phone, fax, e-mail, web site	Agricultural Data Centre, Erna Galvanovska, Republikas square 2, Riga, LV-1010, phone +3717027241; e-mail ldc@ldc.gov.lv; www.ldc.gov.lv

PPENDIX I BEEF

PARAMETERS USED IN GENETIC EVALUATION

COUNTRY: Latvia

Trait: Weaning weight

Breed: Charolais, Limousin

Breed	Trait	Definition	h_d^2	σ_p^2
CHA	Weaning weight	Weight at 200 days of age	0.16	2060.58
LIM	Weaning weight	Weight at 200 days of age	0.17	1647.04

h_d^2 – direct heritability; σ_p^2 -phenotypic variance.