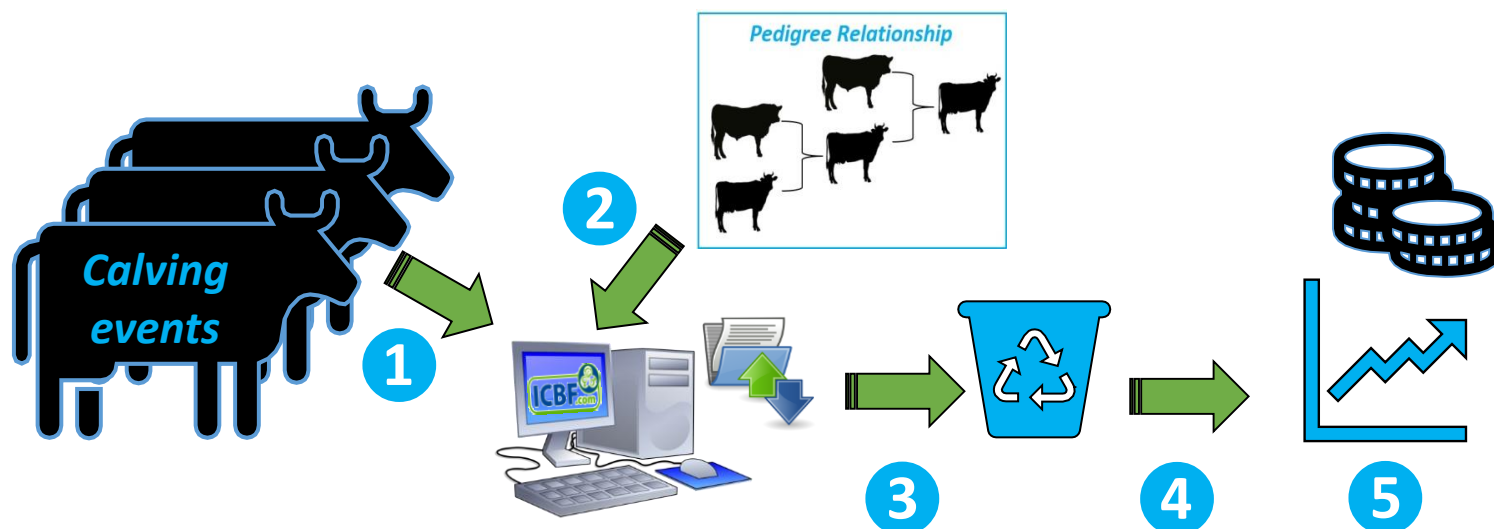


# CHANGES TO THE CALVING EVALUATION

→ used only in the Dairy Beef Index for Spring 2019



Genetic evaluation process	Old calving evaluation	Changes to new calving evaluation
<b>1</b>	Farmer scored records of calving difficulty are recorded on-farm & transferred to ICBF database	Additional farmer scored records of birth weight and birth size are recorded on-farm & transferred to ICBF database
<b>2</b>	Sire & dam of each calf is recorded at birth & transferred to the ICBF database	No change
<b>3</b>	Strict editing criteria remove uninformative records	Stricter editing criteria remove additional uninformative records
<b>4</b>	Breeding values for calving difficulty are estimated for all animals together in the same analysis using the farmer scored records of calving difficulty and the available pedigree (and genotype) information	Breeding values for calving difficulty are estimated for dairy heifer, dairy cows, beef heifers, and beef cows, separately using the farmer scored records of calving difficulty, birth size, birth weight, and the available pedigree (and genotype) information
<b>5</b>	The output is a single-figure breeding value and reliability, deemed applicable for use on dairy heifers, dairy cows, beef heifers, & beef cows	The output is four separate breeding values and corresponding reliabilities for use on: 1) dairy heifers, 2) dairy cows, 3) beef heifers, & 4) beef cows. Economic values have also been updated