

FUTURE OF CLASSIFICATION - WHFF

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BUILDING COW AROUND THE WORLD

We need the breeders and yours cows for Building cows they needs

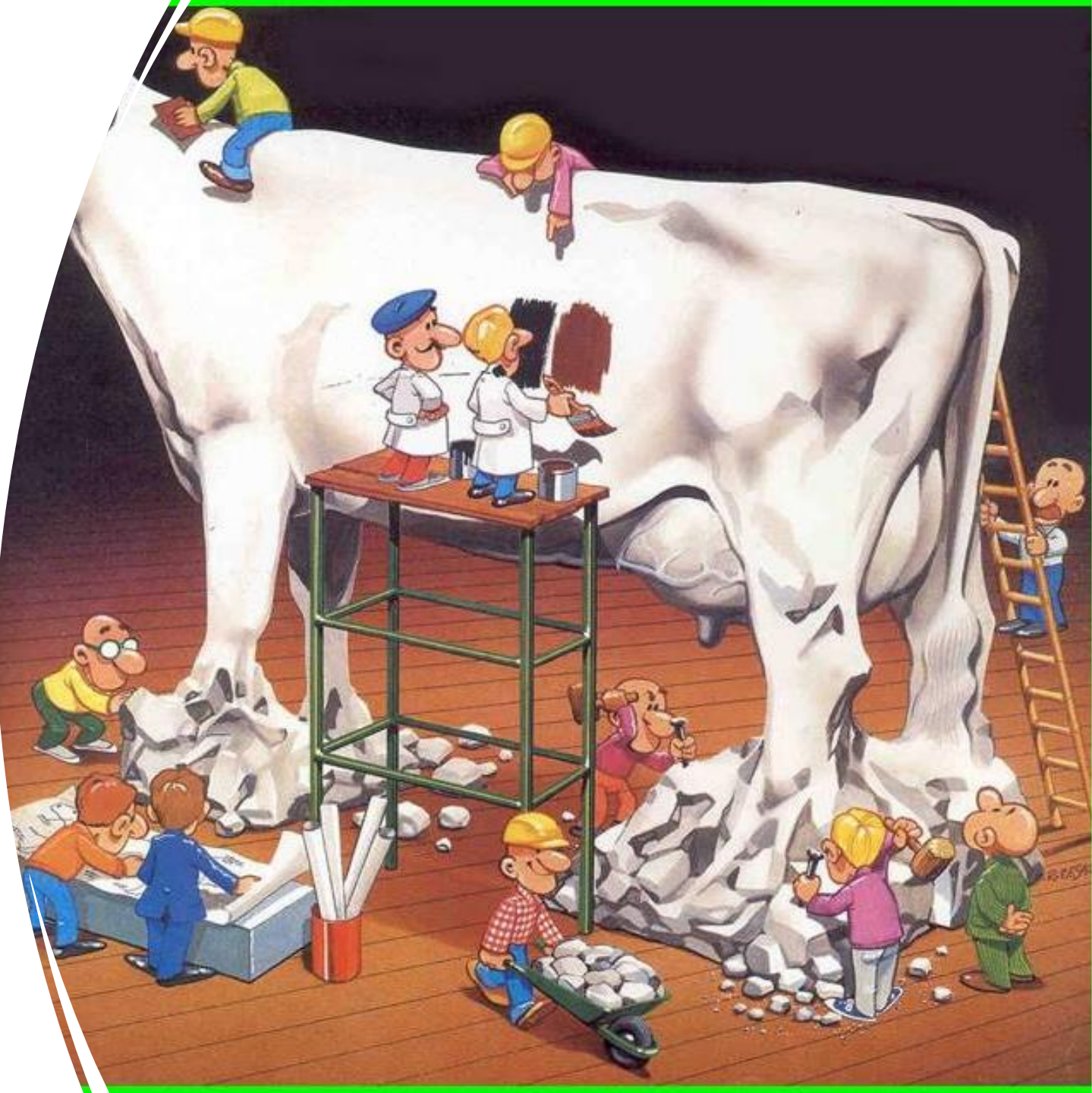
We need collect data and generate information

We need the pedgrees to generate more reliable information

We need the universities to do research

We need to deliver the economic result of classified cows

We need to show the Young breeders the importance of classification

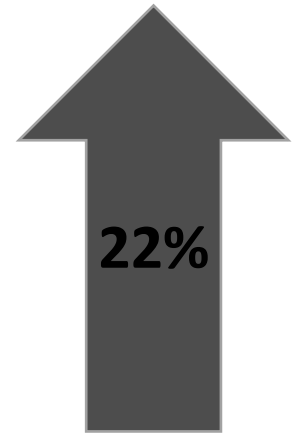
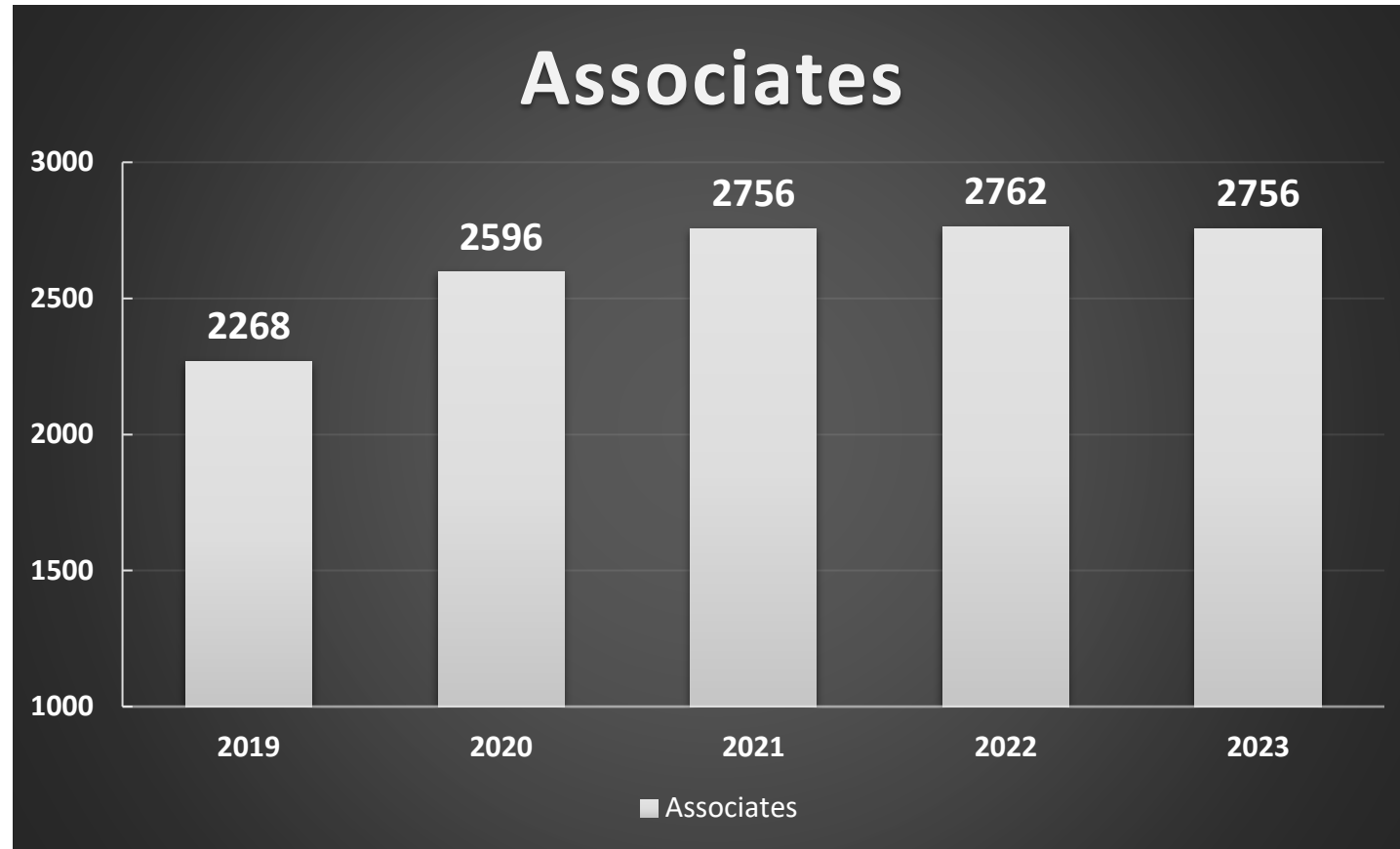






BRAZIL – Classification future

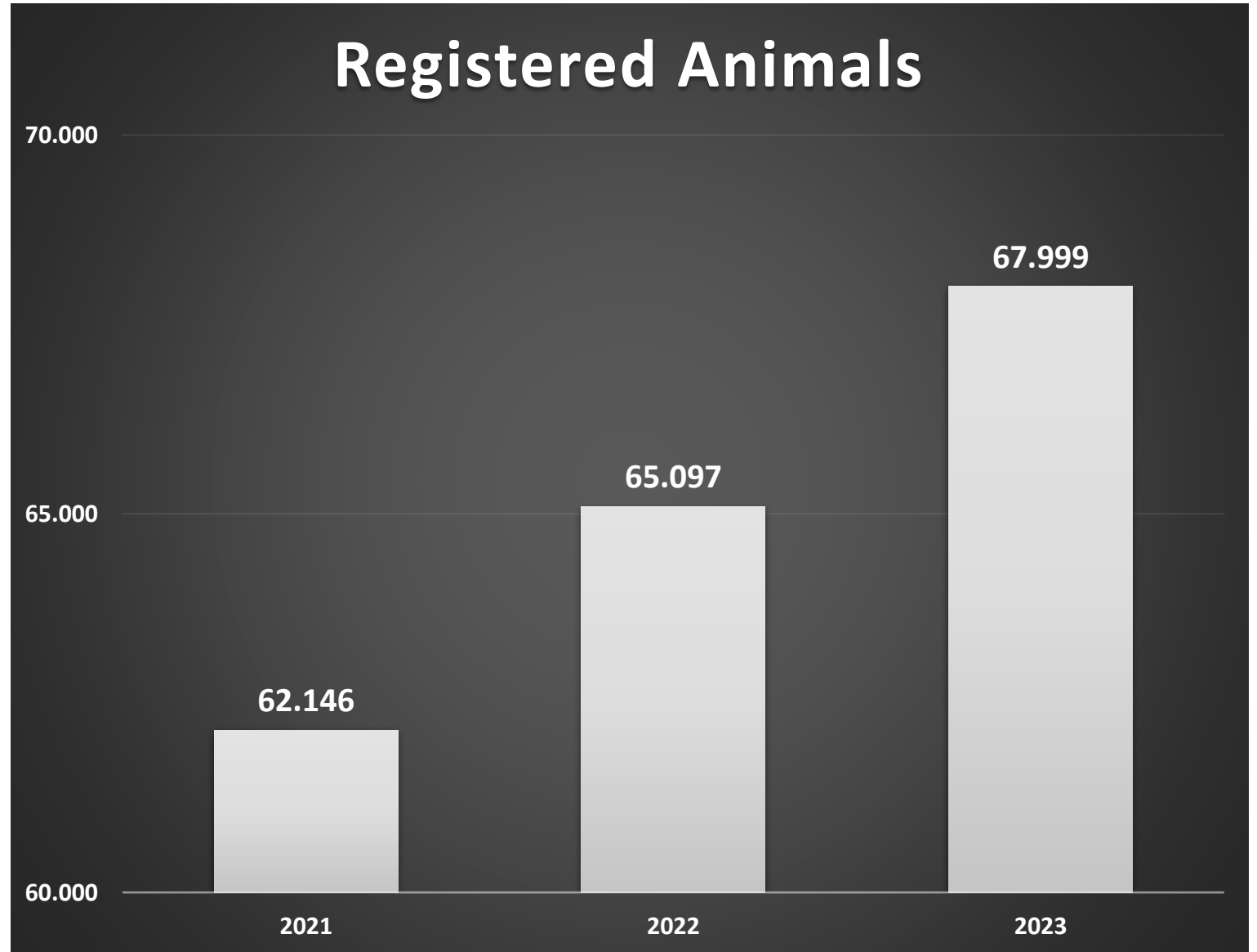
Association Members



Source: Holstein Association Brazil

Registered Animals

Source: Holstein Association Brazil



Milk Recording – Brazil total

Classification - Type Evaluation

Year	Breeders	Members	% Members (classification)	Classified Cows
2023	324	2756	12%	20.428

Source: Holstein Association Brazil

305 days / 2x	Years	
	2022	2023
Producers	555	622
Animals	29.130	36.370
Milk Production*	9.096	9.323
% Fat*	3,61	3,73
% Protein*	3,19	3,28
305 days / 3x	Years	
	2022	2023
Producers	555	622
Animals	30.938	50.785
Milk Production*	10.646	10.852
% Fat*	3,63	3,46
% Protein*	3,17	3,03

*Average Source: Holstein Association Brazil

ABOUT THE NUMBERS

- Large farms are growing
- Many farms are using sexed sêmen
- The control of Aftosa disease has allowed the sale of registered animals between states
- Producers still receive payment per volume of milk and the farmer choose Holstein registered
- Members ease access to the internet (web+milk) to make announcements births, insemination, Genetic Evaluation and reports of classification



Future Classification

- Classification x Pedigree → Genetic Evaluation
- We need to be together with AI industries to prove bulls in the future
- We believe that more conformation more welfare
- + conformation + milk + sólidos + longevit
- More software artificial intelligence investments and mating
- **Cost per animal \$ 4,20**
- **Partner: ABS, CRV, Semex, ST Genetics, Select Sires and Genex.**
- **Classified daughters of partners receive a discount of \$3,00 per cow**





	COLOMBIA	URUGUAY
Associates	151	300
Registered Animals	14.116	55.800
Classified Animals	15.496	1.200
Classified Herds (2023)	116	18
% Associates (classification)	77%	6%
Cost for Classification	U\$ 163/100/cow	U\$ 5
Dairy Control (herds) (2023)	147	-
Dairy Control (cows) (2023)	22.030	-

Milk Recording and members (last three years)

Source: Asociacion Holstein de Colombia; Sociedad Criadores de Holando del Uruguay

URUGUAY FUTURE CLASSIFICATION

- The generation of information that offers classification nourishes the national information base of the race, strengthening the Genetic Evaluation of the country.
- Complements genomics: objective data on cow calification (as well as human control data) can be used to control and corroborate genomic predictions of young animals. In turn, we highlight that we have recently invested in new calibration software, as a contribution to its continuity and to providing a better service to our associates, improving its implementation in the field and providing better rodeo reports, for making more reducible decisions.
- We know that we have a great challenge ahead, of increasing the number of producers that qualify and qualified animals, but we are working on its promotion and benefits.
- We keep to our orders and hope to have contributed to such an important mission that will carry us forward in this next breed Holstein meeting.
- Sociedad Criadores de Holando del Uruguay





COLOMBIA – FUTURE CLASSIFICATION

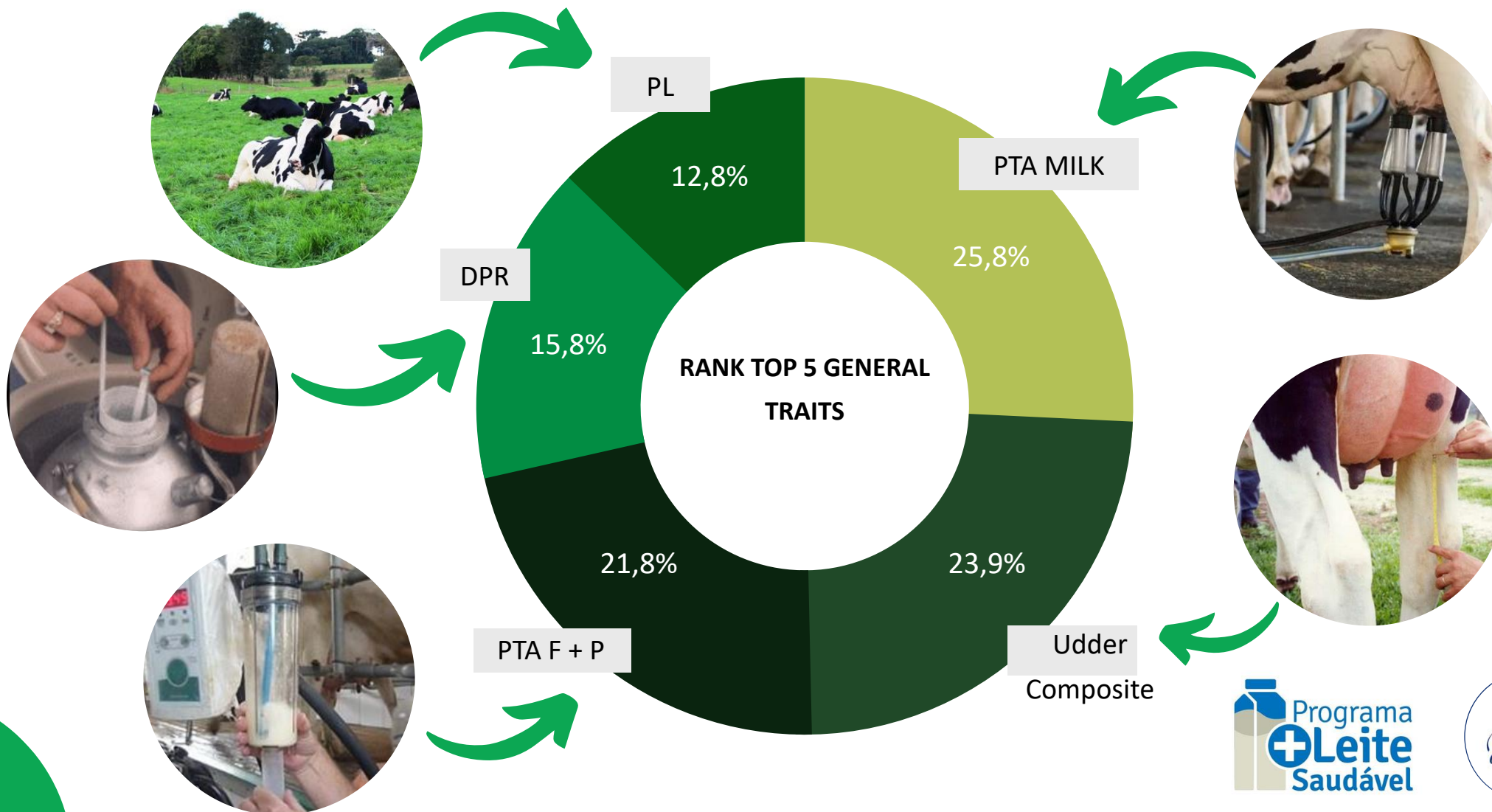
- We talked with our fellow classifiers and directors of the Association about the topic you propose, here we share what we concluded.

We recognize that in the future we will be able to have cameras with artificial intelligence that can evaluate the linear characteristics of cows, and here we see an opportunity in which as technicians we must give our best in the visits we make to our customers.

- It is not only about evaluating the cows but also supporting them in different issues of general livestock management. There are cases, for example, where several cows have been detected at first calving with problems in their udders, which accompanying the farmer we found had deficiencies in the lifting of their calves (depleted and lost quarters due to the fact that the calves were raised together and sucked the udder).
- We recognize a reality in which in our country evaluations are not used in genetic improvement programs (because we do not have them), so what is obtained ends up being an input for the farmer as support for the individual genetic selection and improvement program of his farm
- Committee of Classifiers
Asoholstein Colombia

Mate Program Results

Percentage of choice of indices as priorities in the genomic improvement program by breeders.



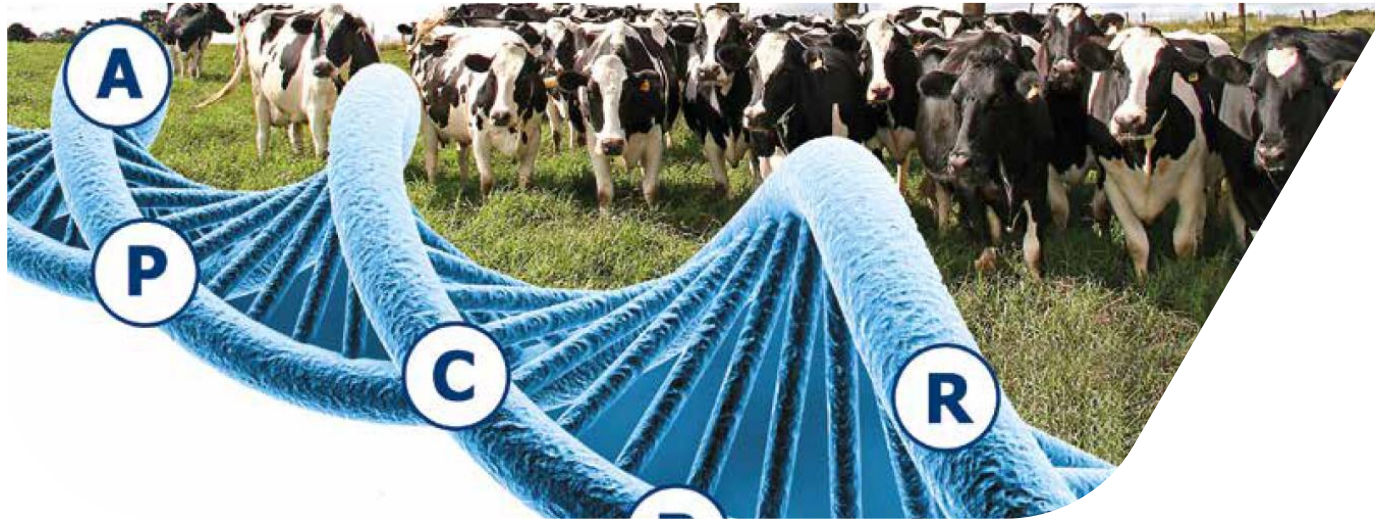


WORKING GROUP - SUIÇA (WHFF) AND BRAZIL 2022

Conclusions!!!

- A. I. Companies will need the classification to evaluate the genomic results of the bulls' daughters (partners)
- Classification and milk control are important to increase the reliability of genomic results.
- Report that show economic results of classified cow
- We need a type assessment tool with artificial intelligence to serve large herds
- Technician can collect management information during the classification visits and make support with reports
- Associations need to include type classification in their genetic evaluation
- The biggest challenge of classification in the future will be identify functional cows and their relationship with health, productive life, welfare and farm profitability
- Genomics does the prediction, but the classification show the true cow and her performance on the farm.
- What does the breeder expect from the cow?
- Genetic + Environment = Phenotype = Classification, Production, Health and management

Question ?



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