



Classification, a tool for the future



April 2024

Type classification a tool for the future

- Less and bigger dairy farms
- Fast-growing interest on genomics testing

What is the future of type classification?

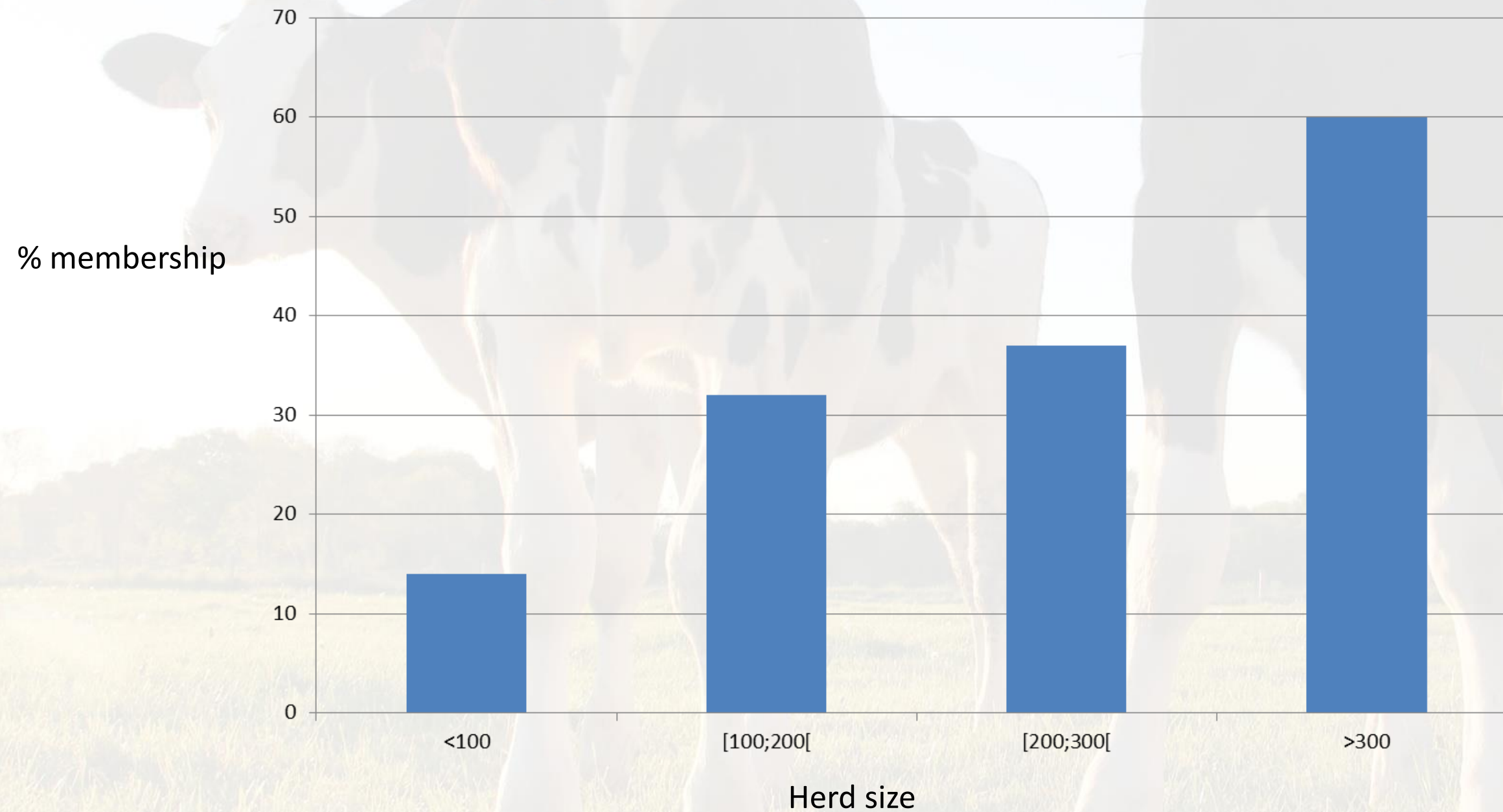
What is the situation in France ?

Fast-growing size of dairy farms

- Less or different interest in genetic
- Cost of type classification
- Labor shortage
- Different average size in other countries, same effect?

What is the situation in France ?

- PHF membership share by size of herd



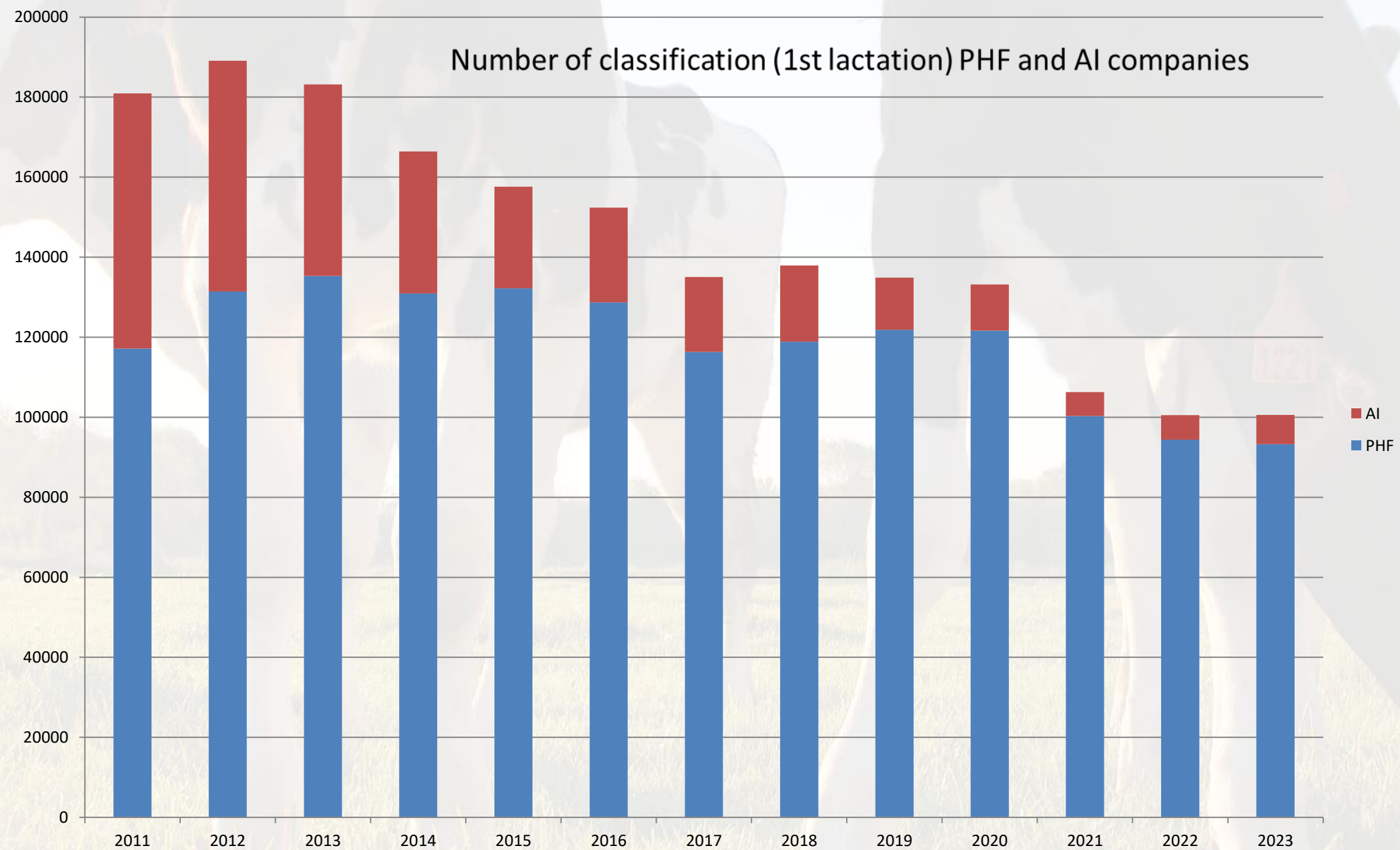
What is the situation in France ?

Fast-growing interest on genomic testing

- More and more reliable
- Price go down
- Easy to do
- « I don't need any more to classify, I genotype my cows »
- Less interest for AI companies to classify daughters of their bulls
- No direct payment by AI companies to classify

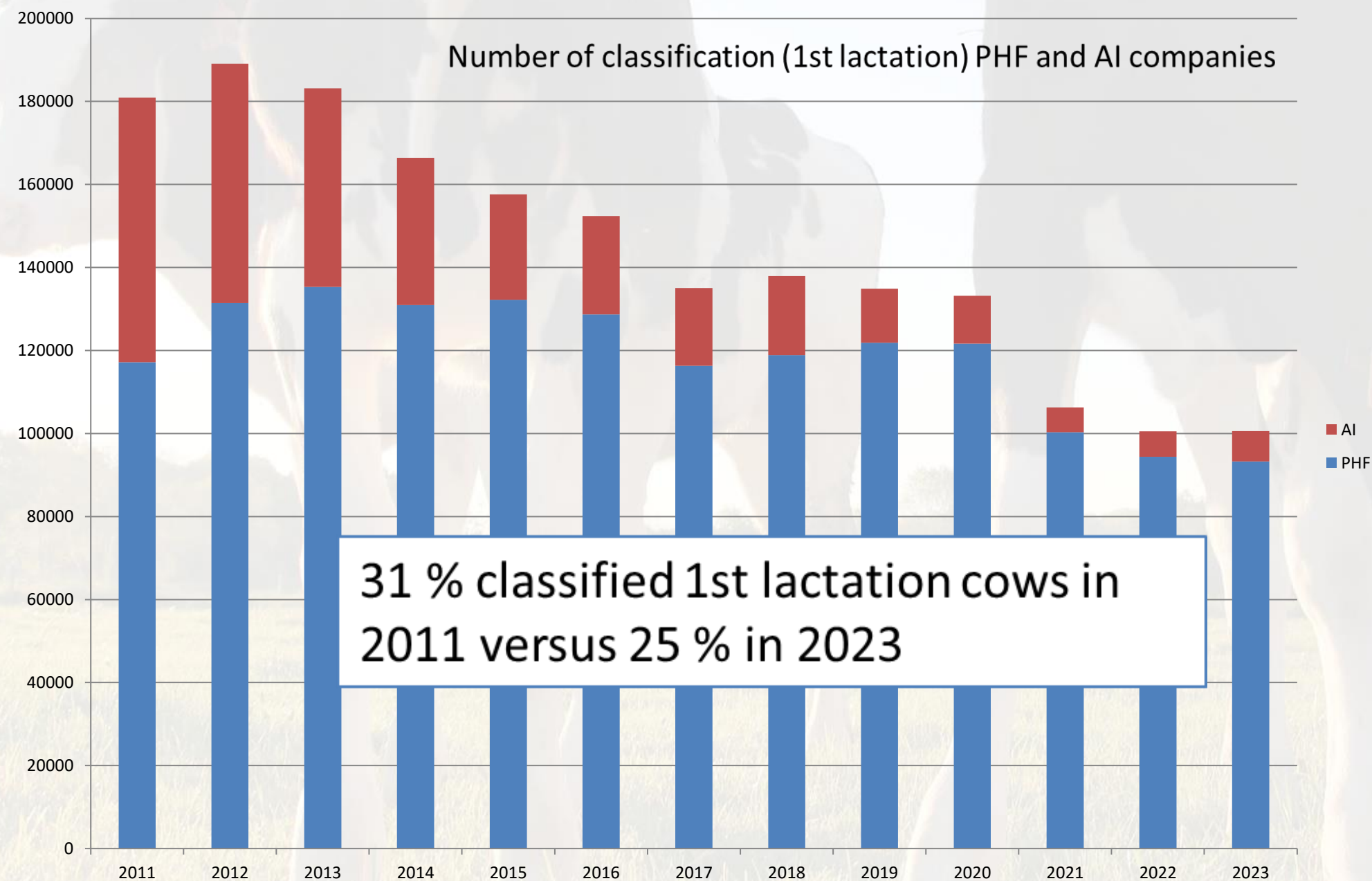
What is the situation in France ?

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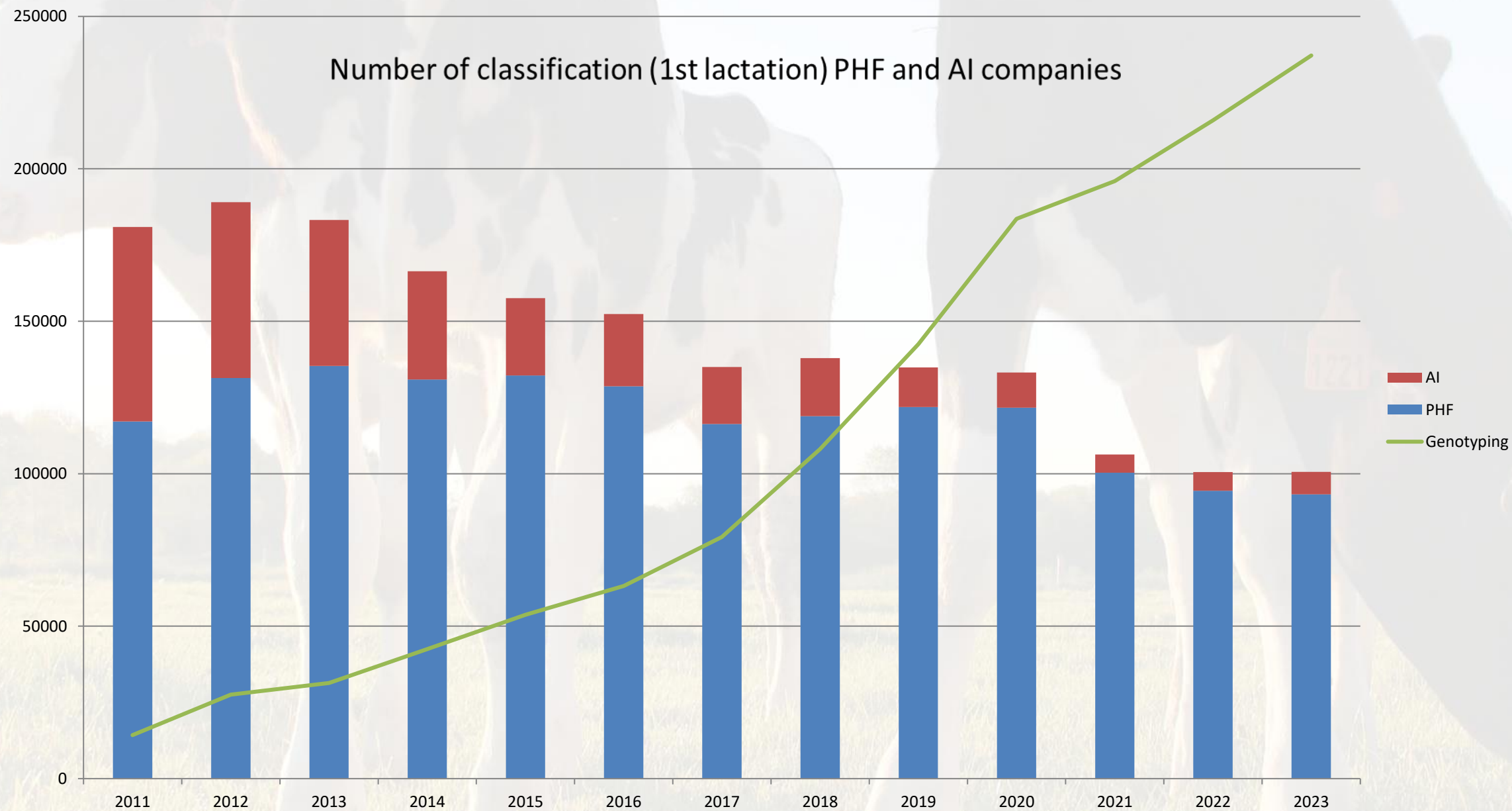
What is the situation in France ?

- Fast growing interest on genomic testing



What is the situation in France ?

- Fast growing interest on genomic testing



Type classification: make it valuable for membres

- PHF offers different services and tools to make a full use of classification results.
 - Right after classification, results are analysed on farm
 - Only 3% of the members want only to classify
 - Classifiers make mating plans in 40 % of the membres
 - Type classification is a great tool to validate genetics choices and raising/ care protocols
 - Mobile app and computer software

Type classification: classifiers are not just classifiers

- A single interlocutor: Classifier and adviser are the same person
- One third to half the time spent on farm is used to analysed report and help farmers on their genetics choices
- Most of the members appreciate to have the same classifier every year

Type classification: needs to adapt to modern dairy farming

- Milking robots: greater emphasis on milkability since 2021 and the new classification model
 - Teat length and placement
 - Udder balance
 - Teat Diameter
- Cow confort and welfare: new traits collected since 2020
 - Locomotion
 - lameness
 - Hock swelling

Type classification and genomic testing

- Classification improve individual cow index reliability
- With single step, plus 7 to 9 point reliability for type.

7113 - SHYM	
Index morphologique - 2335	
CD 74	
Index génomiques	
Morphologie	2.1
Mamelle	1.6
Capacité corp.	0.0
Membres	0.6

7047 - ROSETTE	
Index morphologique - 2335	
CD 83	
Index génomiques	
Morphologie	2.0
Mamelle	2.1
Capacité corp.	0.4
Membres	0.6

Type classification and genomic testing

- Classifier can help farmers to analyze genomic results
- Explanation during classification is a great way to interpret genomic type index and leads to a better use of information
- Classification can help to validate genetics choices:

What you expected/ wanted



What you get

Type classification and collective interest

- Not the easier argument to convince a farmer to continue to classify
- We need phenotype information to have good genetic evaluation
- We need type classification to see where the breed is going

Thanks for your attention



David Tesson

Chief classifier

06 32 38 73 33

david.tesson@primholstein.com

