Complementarity of EBI and COW

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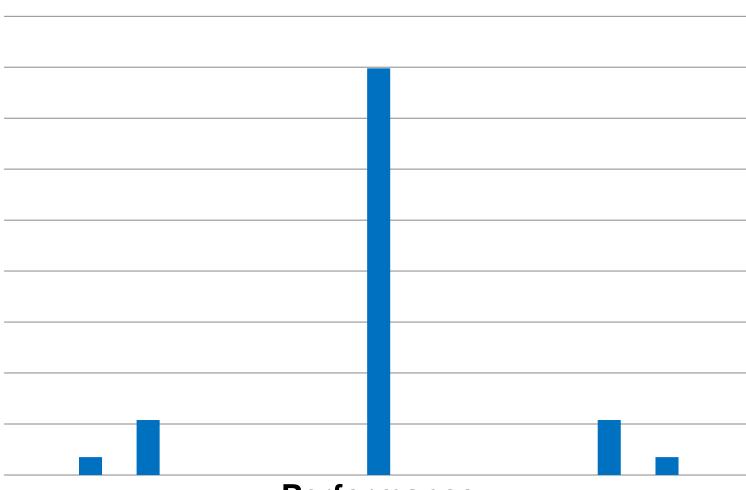




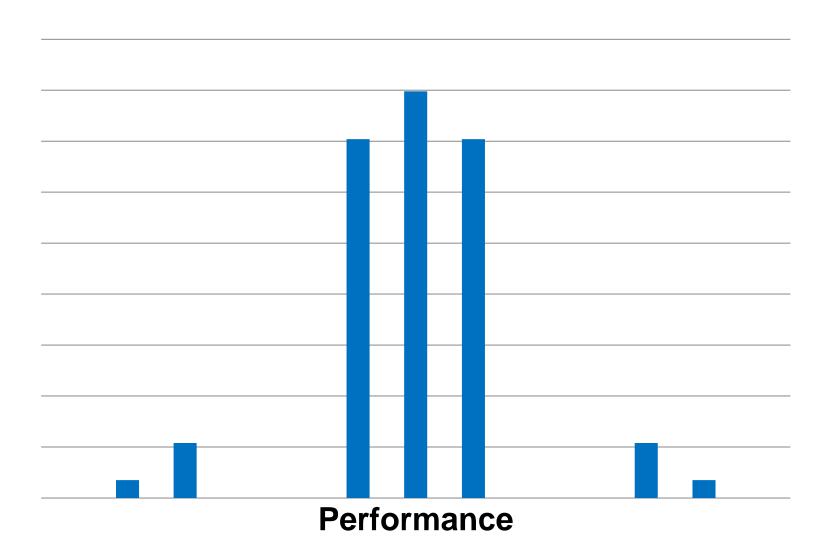




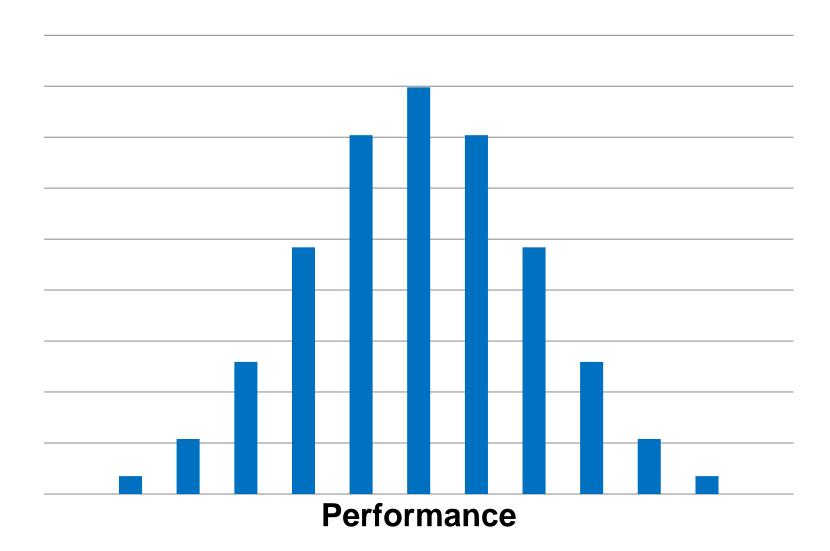




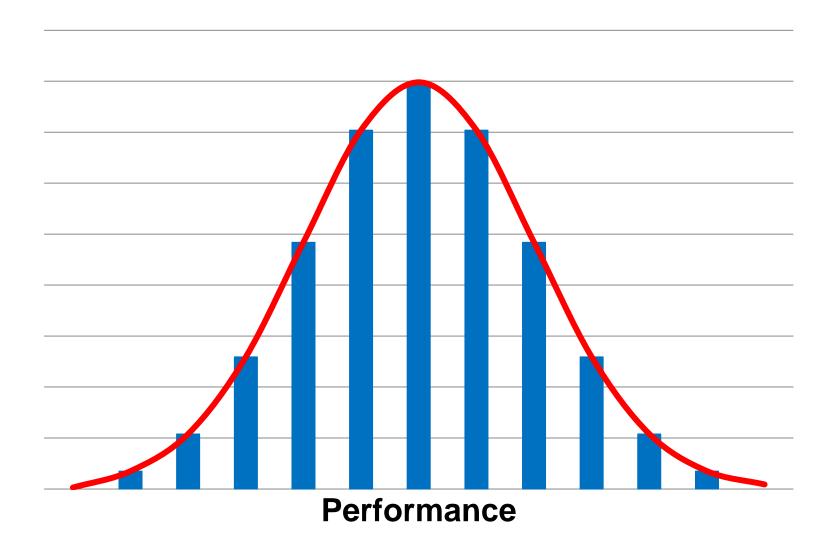




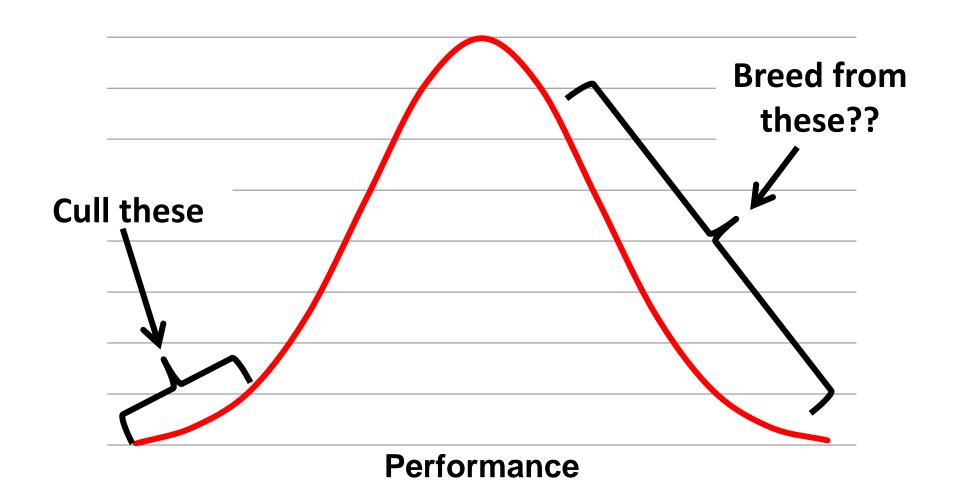




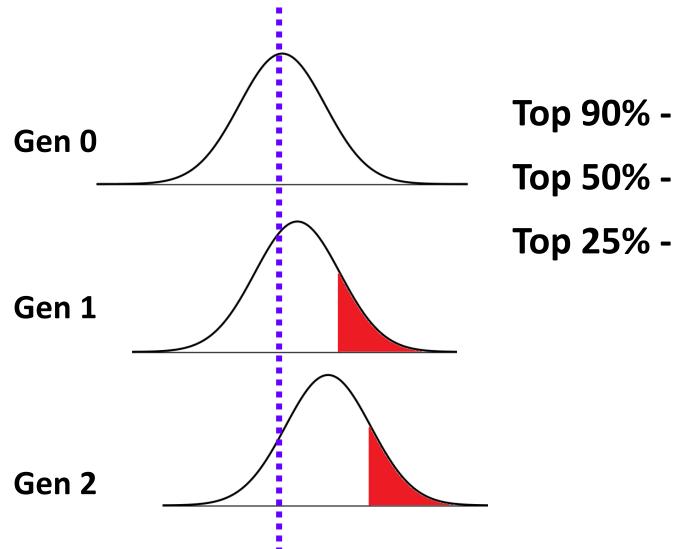






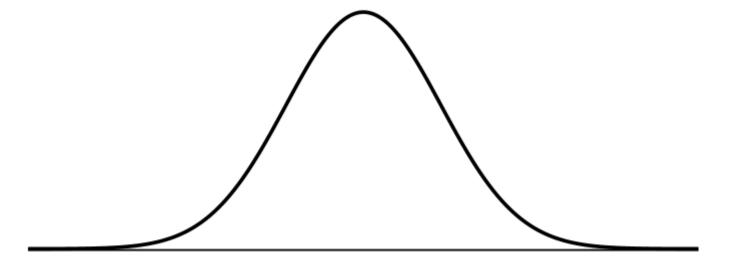






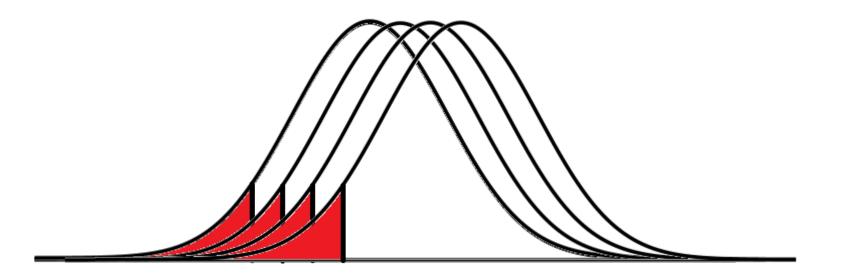








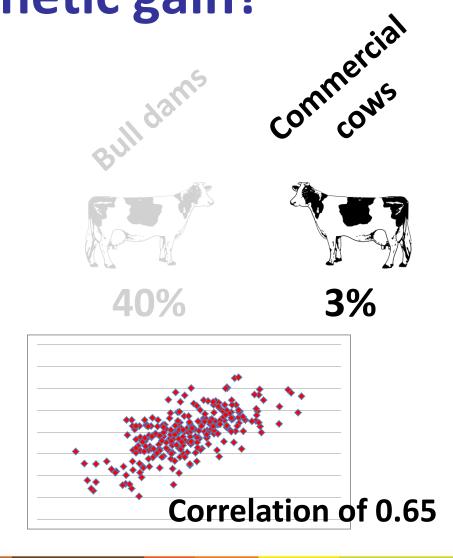
9% voluntary culling rate → €86 more profit





Impact on genetic gain?



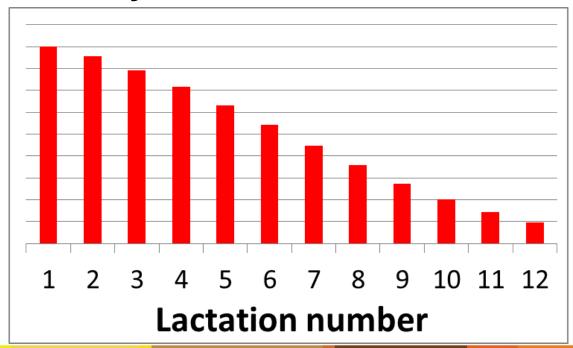




Achieving 5.5 lactations

- 18% replacement rate

 5.5 lactations
 - 9% involuntary
 - 9% voluntary





Future modifications?

- Heifers
- Non-seasonal herds
- Better use of health data
- DNA data to estimate heterosis
- Customised/herd-specific parameters or decision rules



Conclusions

- Complementary not replacement of EBI
 - Considers factors not directly transmitted to the next generation
- Useful tool to identify culling candidates
 - Component of new sire advice
- Under constant development
 - EBI revised 9 times since 2001



