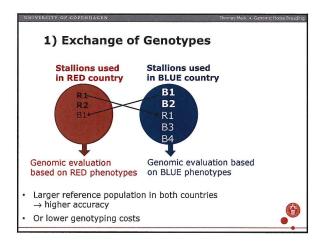


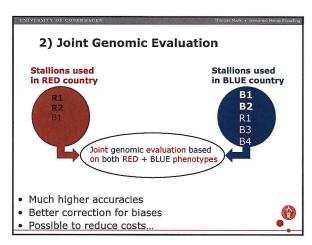
Advantages with genomic breeding Higher accuracy of EBV in general But highest improvement for horses and traits that traditionalle have low accuracy Young stallions, mares Foreign horses Traits expressed late in life (competition) Traits with few records or low heritability (health, reproduktion) Less inbreeding (same selection intensity) No. Phenotypic records can be reduced 'quite a few' records of good quality still needed for 'reference population'!

2 Scenarios for Int'l Collaboration

1. Exchange of genotypes

2. Joint genomic evaluations
genotypes, phenotypes (+pedigree)





Cost Savings with Joint Evaluations No/reduced need of recording young-horse and conformation traits In future most horses will probably be genotyped Target traits can be predicted accurately for all genotyped horses without indicator traits More effecient use of human ressources One common computation site rather than one per country/association Ensure data access to all researchers with relevant agenda

Beneficial to...

• harmonize traits across countries

• Performance in sport competitions

• Health

• Reproduction

• store blood and/or tissue samples to allow future genotyping

• Especially founders

• have as many countries participate as possible

• Good with large populations, but not required

• Genotypes provide genetic links (connectedness)

