

# Tinder for cows

Christian Bengtsson 2018-09-27



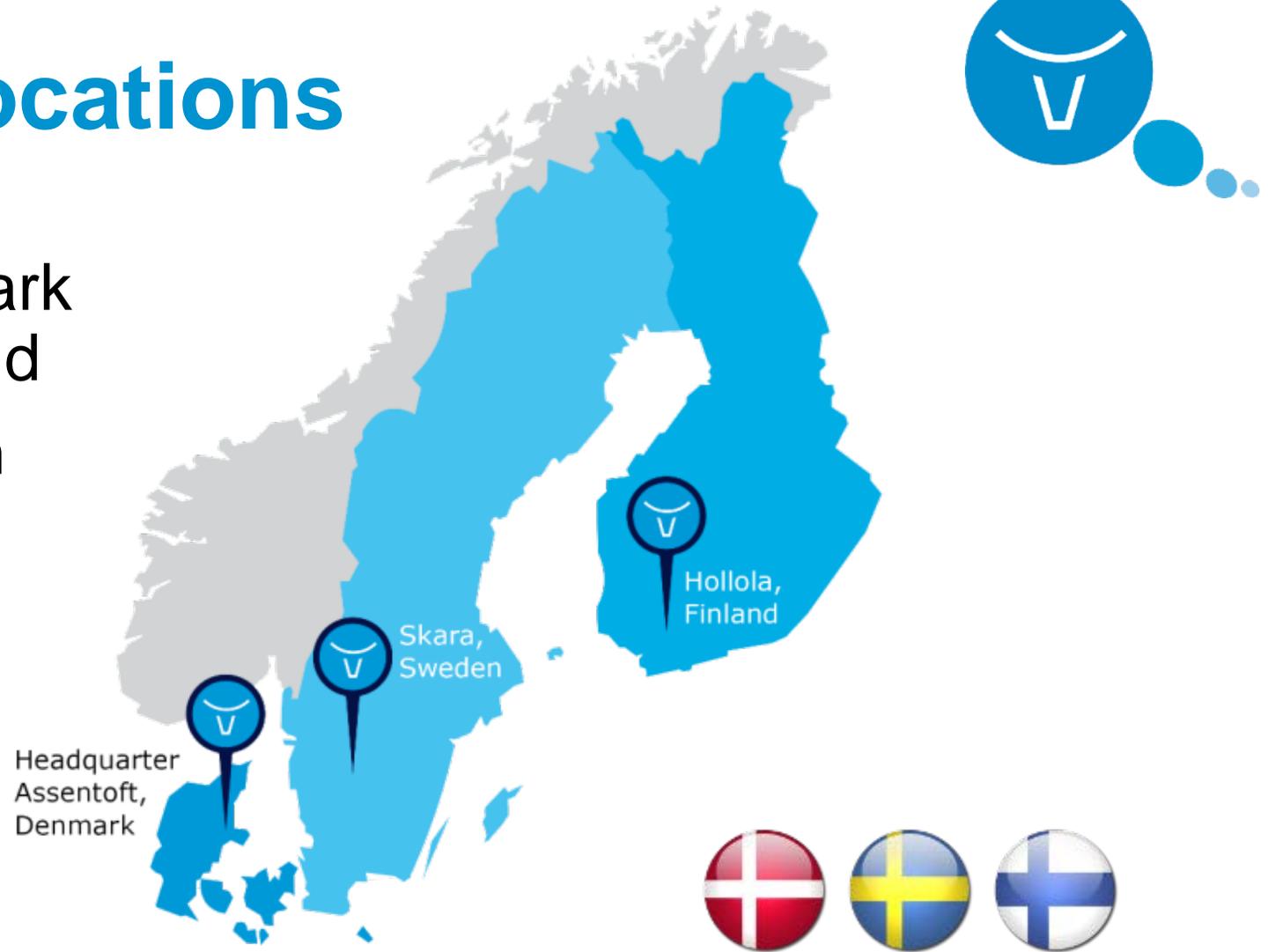
# Christian

- 📍 VikingGenetics since April 2017
  - Earlier NAV/SEGES in Denmark
- 📍 Grew up on a dairy farm
- 📍 Animal Science at SLU



# VikingGenetics locations

- 3 main offices – Denmark (HQ), Sweden & Finland
- Daughter companies in Australia and UK



# Cooperative owned by 20,000 dairy and beef producers

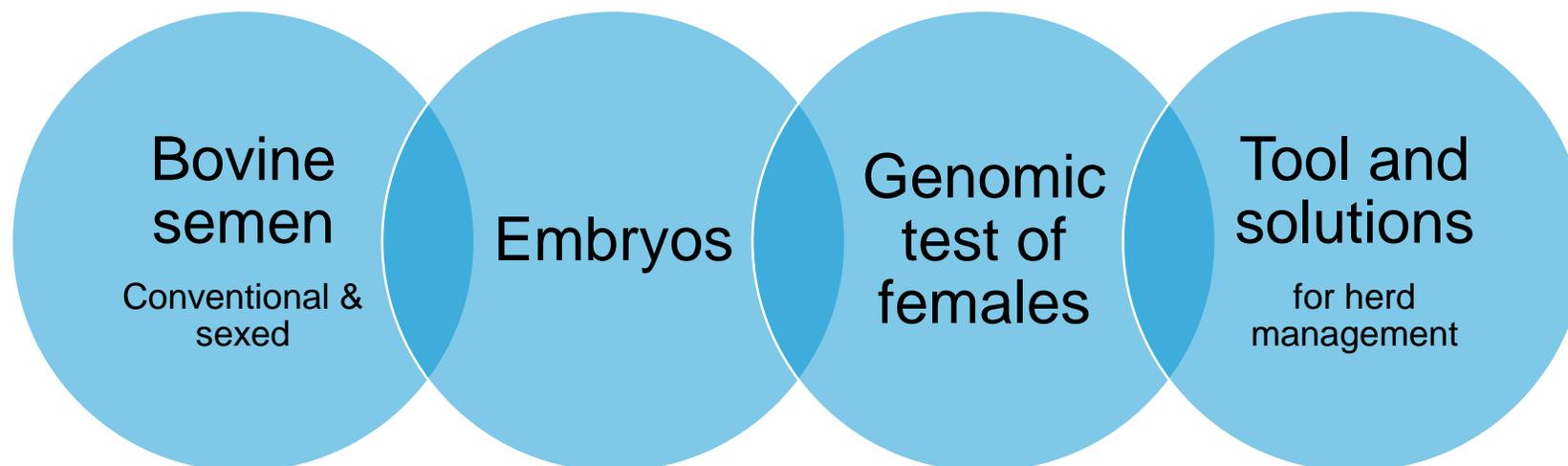


[www.vikinggenetics.com](http://www.vikinggenetics.com)

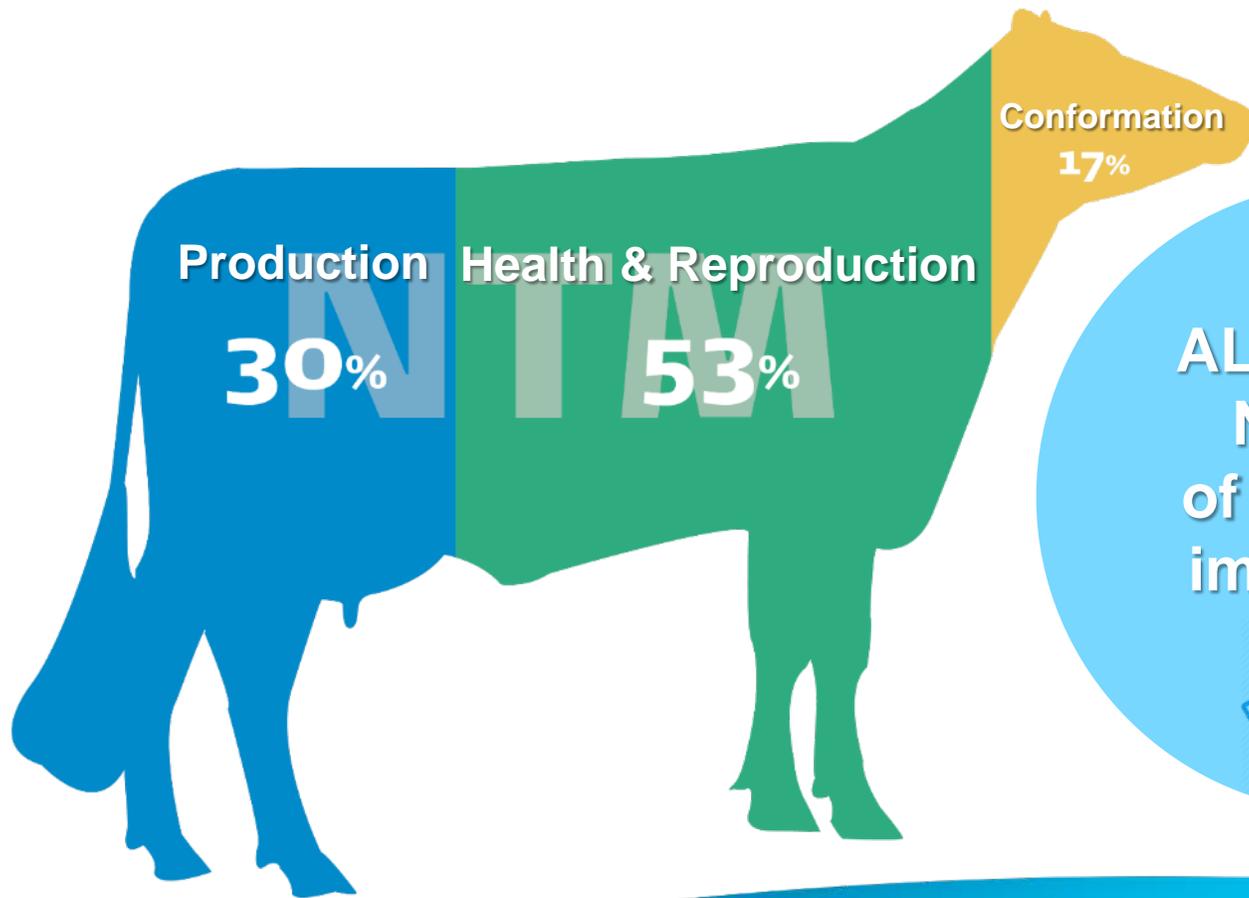
# About VikingGenetics



- 🔍 VikingGenetics is a leading provider of bovine genetic solutions for dairy and beef producers around the world.
- 🔍 Products and solutions:



# The Nordic Total Merit (NTM)



ALL traits in  
NTM are  
of economic  
importance



**>90**  
sub traits  
combined into  
**14** main traits

# Genomic selection



# Genomic selection



- 🕒 In 2008 breeding companies had access to DNA chip
- 🕒 Cost was high- bulls were prioritized
- 🕒 Since then, the price has fallen
- 🕒 Today – 10 thousands females/year



# Faster genetics progress

- VikingRed bulls
  - 1.92 NTM units/year → 4.1 NTM units/year **+114%**
- VikingHolstein bulls
  - 3.14 NTM units/year → 4.4 NTM-units/year **+40%**
- Increase in inbreeding/year → genomic inbreeding?
- Finding carriers of specific haplotypes– positive/negative

# Tinder for cows – better matches



- 🔍 How can we best utilize genomic breeding values ?
- 🔍 How should we handle carriers of specific haplotypes?
- 🔍 How is inbreeding best handled on herd level?
- 🔍 How is inbreeding best handled on population level?



# Expected results

- ➊ Faster genetics progress
  - ➋ Better control of specific haplotypes
  - ➌ Better control of inbreeding
- 
- ➍ Increased profitability and competitiveness
  - ➎ Sustainable production



Questions?

# Visible on different social medias



[www.vikinggenetics.com](http://www.vikinggenetics.com)