



Commission Permanente des Techniciens Européens de l'Insémination et de la Reproduction Animale
Permanent Commission of European Insemination and Animal Breeding Technicians
Ständige Kommission der Europäischen Tierzucht und Besamungstechniker
Commissione Permanente dei Tecnici Europei di Inseminazione e Riproduzione Animale







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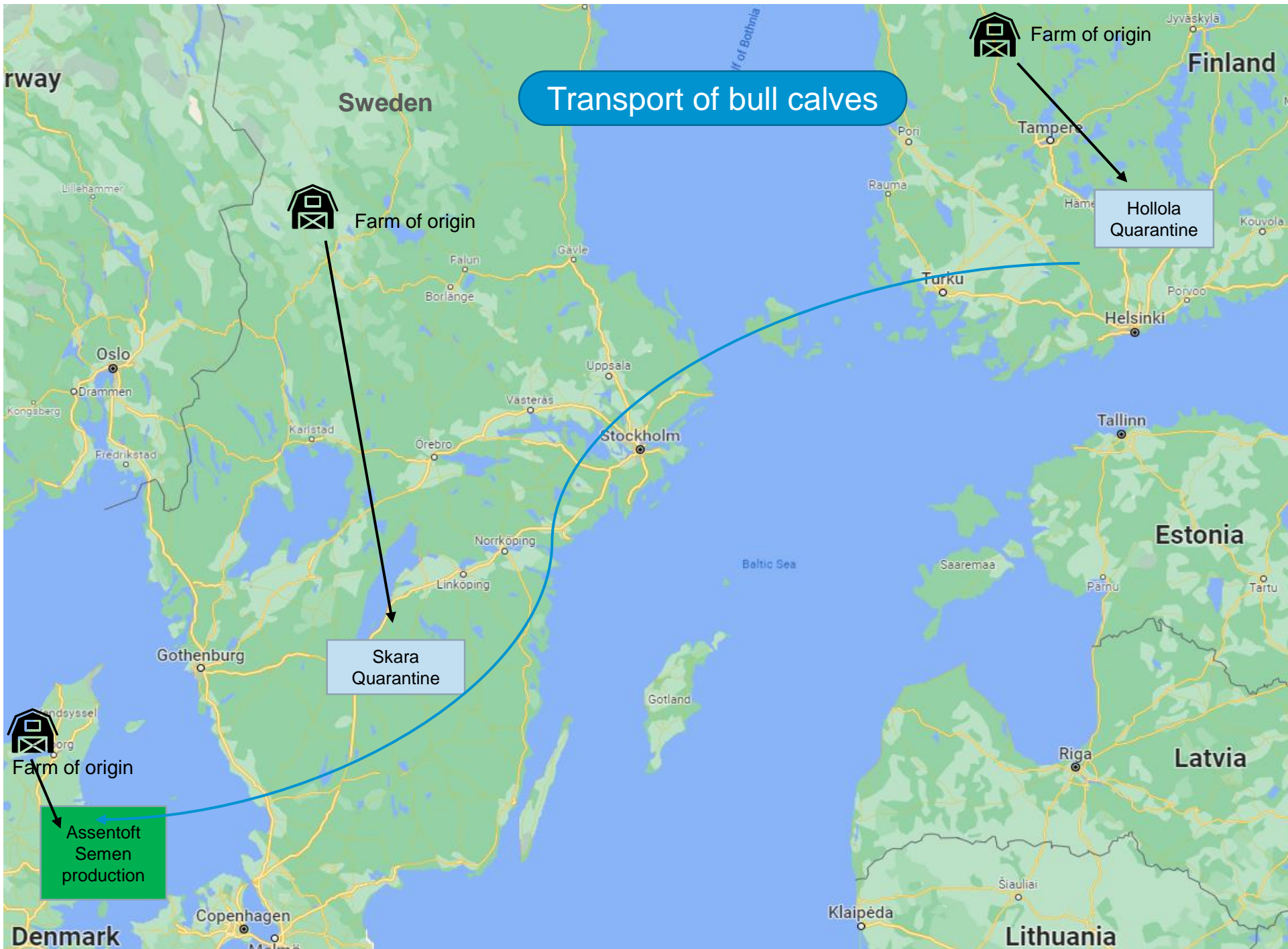
VikingGenetics

-  175 employees in six countries
-  **Denmark** (Headquarter) -Conventional and sexed semen production, embryo and OPU production outsourced
-  **Sweden** –Embryo production started again 2022
-  **Finland** -Embryo and OPU production
-  Daughter companies in Australia, England and Germany



Purchase of bulls

Last 12 mo	VR	VH	VJ
Goal	80	60	35
Paid total	71	48	46
From recipients herds	23	11	23
VG ET	20	11	25
OPU ET	3	0	1
FF ET	16	16	12
ET	39	30	38
ET %	55%	63%	83%



Transport of bull calves



Farm of origin

Skara Quarantine



Farm of origin

Hollola Quarantine



Farm of origin

Assentoft Semen production

Purchase of donors

Last 12 mo	VR	VH	VJ
Goal	72	65	77
Paid total	77	74	93
<i>Number Den / Fin / Swe</i>	<i>16 / 39 / 22</i>	<i>41 / 24 / 9</i>	<i>91 / 1 / 1</i>
<i>% Den / Fin / Swe</i>	<i>21 / 50 / 29</i>	<i>55 / 32 / 12</i>	<i>98 / 1 / 1</i>
From recipients herds	24	21	19
ET	31	30	25
ET %	40 %	41 %	27 %

VG Embryo production – flushes 2022

VR	Denmark	Finland	Sweden	Total
Number of flushes	36	106	6	148
Transferable embryos	190	724	33	947
Embryos / flush	5,3	6,8	5,5	6,4

VH	Denmark	Finland	Sweden	Total
Number of flushes	51	68	4	123
Transferable embryos	299	464	20	783
Embryos / flush	5,9	6,8	5,0	6,4

VJ	Denmark	Finland	Sweden	Total
Number of flushes	130			130
Transferable embryos	531			531
Embryos / flush	4,1			4,1

Embryo prod - OPU

VR	Denmark	Finland	Sweden	Nuckel	Total
Number of sessions		238			238
Transferable OPU embryos		499			499
Embryos / session		2,1			2,1

VH	Denmark	Finland	Sweden	Nuckel	Total
Number of sessions		98		14	112
Transferable OPU embryos		236		34	270
Embryos / session		2,4		2,4	2,4

VJ	Denmark	Finland	Sweden	Nuckel	Total
Number of sessions		3		89	92
Transferable OPU embryos		13		267	280
Embryos / session		4,3		3,0	3,0

Embryo transfers and pregnancies

Embryo implants 12 mo DEN	VR	VH	VJ
Number of implants (flush)	325	722	567
Number of implants (OPU)	0	20	69
Pregnancy % Flush	39 % / 58 %	42 % / 48 %	15 % / 43 %
Pregnancy % OPU		35 %	33 %

Embryo implants 12 mo FIN	VR	VH	VJ
Number of implants (flush)	560	351	28
Number of implants (OPU)	434	233	30
Pregnancy % Flush	41 % / 63 %	42 %	36 %
Pregnancy % OPU	39 %	37 %	43 %

Embryo implants 12 mo SWE	VR	VH	VJ
Number of implants (flush)	383	128	22
Number of implants (OPU)	190	56	4
Pregnancy % Flush	41%	46%	37 %
Pregnancy % OPU	45 %	38 %	50 %

Recipient farm set up

- Fresh recipient farm network
- Aim to transfer more embryos fresh
- Aim to support farmers with embryo transfer knowledge
 - Farm visits, result follow up, problem solving, lectures etc.
- Aim to improve pregnancy rates and calving rates
 - 50% calving rate
- Targetin farms within 100km (fresh transfers)
 - Farms further distance transfer only frozen, unless flush fee contracts
- Planning to start transferring fresh IVF embryos end of 2022

Hollola office
distribution (Faba)
embryolab
heifer barn



Embryo work in Hollola

- Heifers arrive at the age of 4-6 months
- IVF programs from 8-10 months of age
- 6 OPU sessions within 2 week intervals
- Flushing programs from 12 months
 - 3 flushings within 5 week intervals
- Inseminations after programs (calving 2,5 years old)
- After production heifers are sold to contract farms or breeders, pregnant or non pregnant



60 heifers were moved to new barn last week (35)



Thank You - Kiitos

