



Introduction of InterGenomics Holstein Session

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Background

- Large international consortia exist for exchange of genotypes in order to perform genomic selection
- Small/other Holstein populations have been searching for ways of ensuring cost efficient solutions for genomic selection
- In small HOL populations there are limited chances for commercially driven implementation of genomic selection
- After the successful implementation of InterGenomics for BSW the idea of implementing this concept for small/other HOL populations has arisen



Background

Interbull Centre Services

- Quality assurance →EU Reference Centre
- MACE →Progeny tested bulls
- GMACE →Young genomically tested bulls
- InterGenomics →International genomic evaluation
- Interbeef →International beef evaluation



Background

Genomic Evaluations

- Require large reference populations: International Collaboration:

- Large International Consortia – Holstein

- InterGenomics at Interbull Centre – Brown Swiss.

- Question raised by Holstein countries outside large International Consortia:

- (How) Can InterGenomics model provide services required for genomic selection in Holstein populations.



How did we get here?

- February 2016: Strategic Planning meeting, Verona
- February 2017: Technical Workshop, Ljubljana
- March/April 2017: Adaption of InterGenomics software
- August 2017: Results of **First Research Run** (6 countries)
- August 2018: Results of **Second Research Run** (8 countries)



InterGenomics – Holstein

Name	Country	Organisation
Marija Klopčič	Slovenia	University of Ljubljana
Toine Roozen	Sweden	Interbull Centre
Brian Van Doormaal	Canada	CDN
Reinhard Reents	Germany	vit
Hossein Jorjani	Sweden	Interbull Centre
Valentina Palucci	Sweden	Interbull Centre
IgHOL countries!		



IgHOL Session Programme:

"International Genomic evaluation of 8 Holstein populations (IG-HOL)"

- Hossein Jorjani

Country reports – IRL, SVN, ISR

General discussion

"Studies on GBLUP MACE with a prediction population"

- Ignacy Misztal