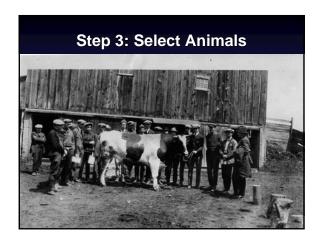
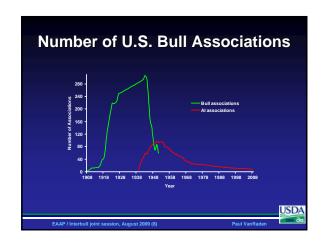
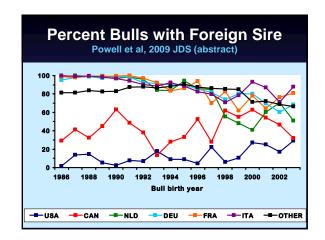


E			alyze Dat nds) from	
	Dtr Milk	Dtr Fat	Dam Milk	Dam Fat
1	6976	276	4422	171
2	8602	292	5976	217
3	7631	280	1923	84
4	6640	248	4011	147
5	7121	253	5492	198
6	6901	298	6123	248
7	6622	236	5048	190
Avg	7580	282	5426	206
EAAP / Inte	Paul VanRaden			

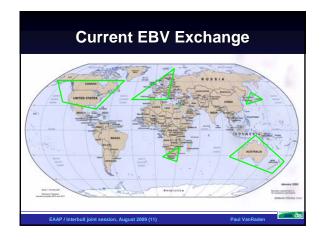
Traits Evaluated by U.S. and Interbull								
Trait	USA	ITB	Trait	USA	ITB			
Milk, fat	1936	1995	Calving	2000	2005			
Protein	1978	1995	Stillbirth	2006	2005			
Conf.	1978	1999	Fertility	2003	2007			
Cell count	1994	2001	M speed	???	2009			
Longevity	1994	2004	???	???	???			
			· · · · · · · · · · · · · · · · · · ·		USD			
EAAP / Interbull joint	session, Augı	ust 2009 (6)		Paul V	anRaden 2009			

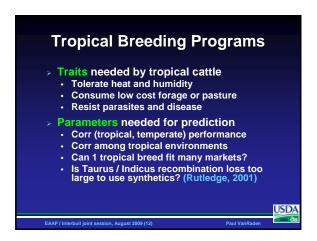


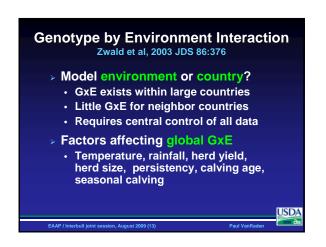




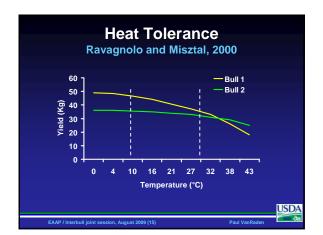


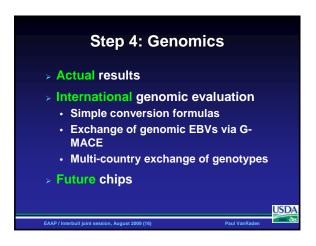


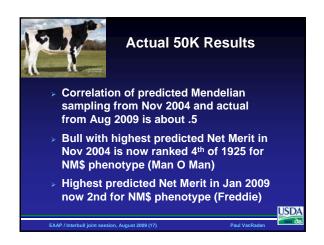


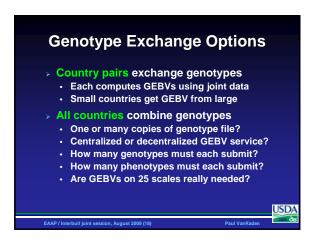


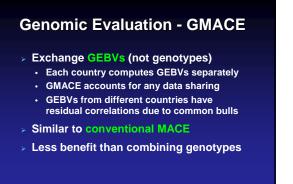
Genotype by Environment within USA Include GxE regressions in national models Heat tolerance High / low input herds Extrapolate to more extreme environments outside USA Coefficients of regressions larger Changes in rank will be magnified







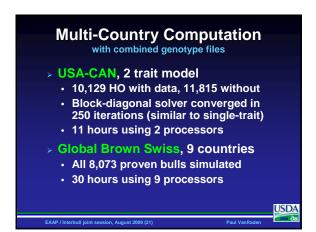


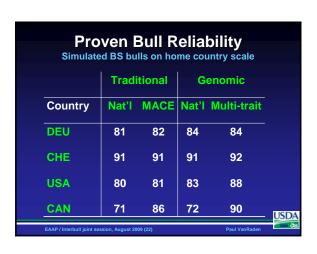


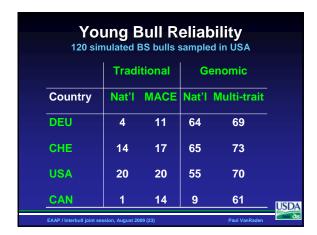
USDA

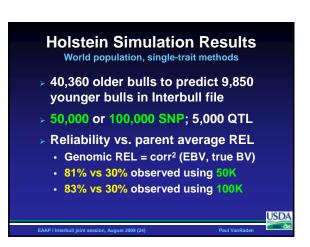
Multi-Country Combined Genotypes > Evaluation options • Foreign data included via MACE, then single-trait genomic evaluation, OR • Domestic and foreign data evaluated using multi-country genomic model > Advantages of multi-trait model • Phenotypic and genomic both multi-trait • Domestic data weighted more than foreign • More accurate ranking than G-MACE

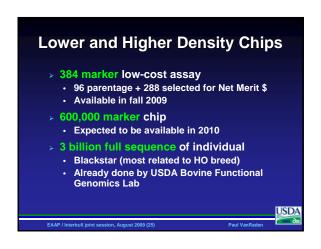
USDA

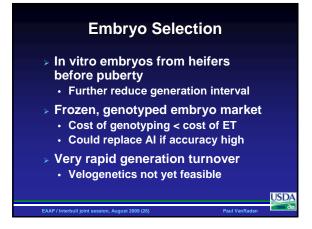


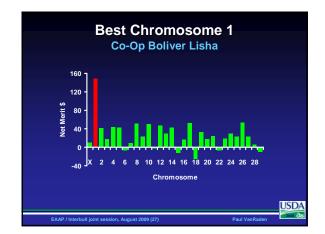


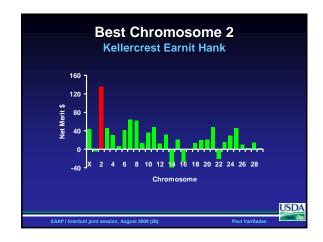


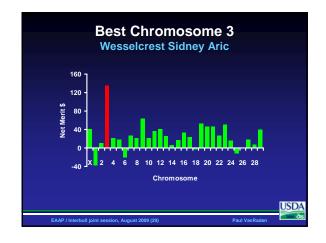


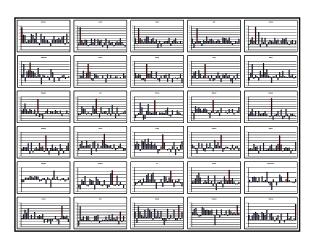


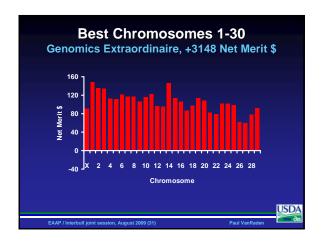


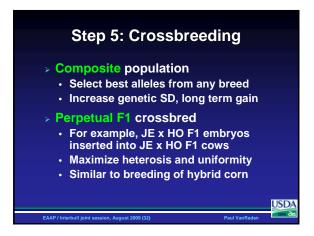


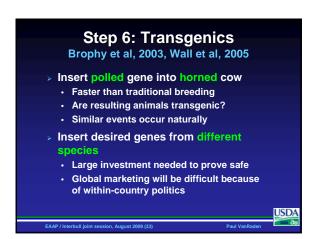


















Acknowledgments

- Interbull Genomics Task Force for ideas on global evaluation
 - Pete Sullivan, Georgios Banos, Esa Mantysaari, Mario Calus, Vincent Ducrocq, Zengting Liu, Hossein Jorjani, and João Dürr
- Tabatha Cooper for preparing slides on individual chromosome selection



