PRISE publications

Introduction to Animal Breeding

by Dr Etienne Verrier and Dr Nguyen Van Duc

in partnership with the
Paris-Grignon National Agronomics Intitute

Acknowledgements

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Schedule

Date	Content	Lecturer
06/12	**Lecture 1** - General introduction. Context, purpose and tools of animal breeding	E. Verrier
	Case study 1 - Domestication, genetic resources, selection: the example of chicken **Case study 2** - Evolution of the local cattle breed Aubrac and of livestock production in a mountaineous region in France	
07/12	**Lecture 2** - What is known about the genetics of quantitative traits, how they are modeled	
	Case study 3 - Computing heterosis parameters in the case of both direct and maternal effects	Nguyen V.D.
08/12	**Lecture 2** (continuing) - The relationship between parents and offspring, the estimation of heritability	E. Verrier
	Lecture 3 - The genetic evaluation, the Estimated Breeding Values (EBVs) and their accuracy	
	Documents analysis - How EBVs are published	
09/12	**Lecture 4** - The creation of the genetic gain. The parameters of the annual genetic gain	
	Lecture 4 (continuing) - The diffusion of the genetic gain, examples of selection programmes	
10/12	**Lecture 5** - The potential effects of crossbreeding and the main kinds of crossbreeding plans	
	General conclusion	