


# ASReml Summer School 2018

Date: 6-10 August 2018

Place: Beijing, China 

## DAY 1

Time	Topic	Trainer
8.30 – 9.00	Software Installation and Registration	S. Gezan
9.00 – 10.30	R Introduction	
10.30 – 11.00	<i>Coffee break</i>	
11.00 – 12.00	Introduction to ASReml-R and Linear Mixed Models	S. Gezan
12.00 – 13.00	<i>Lunch</i>	
13.00 – 14.30	Quantitative Genetics Theory Parental and Clonal Models	S. Gezan
14.30 – 15.00	<i>Coffee break</i>	
15.00 – 17.00	Practical Session	

## DAY2

Time	Topic	Trainer
9.00 – 10.30	Animal/Individual Models (incorporating pedigree) Variance Structures in ASReml (complex G and R matrices)	S. Gezan
10.30 – 11.00	<i>Coffee break</i>	
11.00 – 12.00	Bivariate and Multivariate Analysis Repeated Measures in Breeding	S. Gezan
12.00 – 13.00	<i>Lunch</i>	
13.00 – 14.30	Practical Session	
14.30 – 15.00	<i>Coffee break</i>	
15.00 – 17.00	Practical Session	

## DAY3

Time	Topic	Trainer
9.00 – 10.30	Multi-environment Analysis (understanding GxE interaction)	S. Gezan
10.30 – 11.00	<i>Coffee break</i>	
11.00 – 12.00	Spatial Analysis of Field Trials	S. Gezan
12.00 – 13.00	<i>Lunch</i>	
13.00 – 17.00	<i>Excursion</i>	

## DAY4

Time	Topic	Trainer
9.00 – 10.30	Introduction to Genomic Selection Preparing Phenotypic and Genotypic Data	S. Gezan
10.30 – 11.00	<i>Coffee break</i>	
11.00 – 12.00	Genomic-BLUP in ASReml-R Fitting and Evaluating a GBLUP Model	S. Gezan
12.00 – 13.00	<i>Lunch</i>	
13.00 – 14.30	Practical Session	
14.30 – 15.00	<i>Coffee break</i>	
15.00 – 17.00	Practical Session	

## **DAYS**

<b>Time</b>	<b>Topic</b>	<b>Trainer</b>
9.00 – 10.30	Test-Day-Model GWAS with ASReml-R	S. Gezan
10.30 – 11.00	<i>Coffee break</i>	
11.00 – 12.00	Extending GWAS to MET analyses	S. Gezan
12.00 – 13.00	<i>Lunch</i>	
13.00 – 14.30	Practical Session	
14.30 – 15.00	<i>Coffee break</i>	
15.00 – 17.00	Certificate Exam	

\* Programme is subject to change