

**EXPLOITATION OF CEREAL GENOMIC DIVERSITY FOR CROP IMPROVEMENT UNDER CLIMATE CHANGE**  
**Sfax (Tunisia), 3-7 October 2022**

Hour	Monday 3	Tuesday 4	Wednesday 5	Thursday 6	Friday 7
9:00-10:00	Opening	Genotyping A. Fricano, B. Contreras	Breeding crops in a climate change framework <b>L. Cattivelli</b>	Genomic selection <b>A. Fricano</b>	Genetic transformation <b>R. Battaglia, M. Hanin</b>
10:00-11:00	Types of germplasm <b>E. Igartua</b>		Strategies to cope with climate change <b>M. Sanchez-Garcia</b>		
<b>Coffee break</b>					
11:30-12:30	Genotyping A. Fricano, B. Contreras	Genotyping A. Fricano, B. Contreras	Climate change challenges, the physical environment and climate modelling (drought, heat, biotic stress) <b>L. Paleari</b>	Genomic selection <b>A. Fricano</b>	Speed breeding <b>L. Hickey</b>
12:30-13:30		Phenotyping <b>A. Visioni</b>		Introduction to functional crop modelling for breeding <b>A. Perego</b>	Practical: in silico analysis of gene expression data <b>R. Battaglia</b>
<b>Lunch</b>					
15:00-16:00	Phenotyping <b>A. Visioni</b>	GWAS <b>E. Igartua</b>	Low tech approaches for heat tolerance in Morocco <b>A. Visioni</b>	Functional genomics, from QTL to genes <b>R. Battaglia, M. Hanin</b>	Practical: in silico analysis of gene expression data <b>R. Battaglia</b>
16:00-17:00		Practical: GWAS analysis <b>E. Igartua</b>	Low tech approaches for drought tolerance in Tunisia <b>A. Ben Araar</b>		Final discussion <b>E. Igartua, A. Fricano, R. Battaglia, M. Hanin, L. Hickey, A. Visioni, T. Jarrahi, A. Elleuch</b>
17:00-18:00				Practical: Genomic selection <b>A. Fricano</b>	
18:00-19:00					