

BIG DATA TECHNIQUES AND APPLICATIONS IN THE AGRI-FOOD SYSTEM – Zaragoza (Spain), 17-21 June 2019

Hour	Monday 17	Tuesday 18	Wednesday 19	Thursday 20	Friday 21
9:00-10:00	Opening	Accessing, organising and handling Big Data M. Solanki	Analysing Big Data: Statistical and machine learning processes phases F. van Eeuwijk	Analysing Big Data: Other learning techniques X. Domingo	Digitalisation of agri-food systems L. Echeverría
10:00-11:00	Introduction to Big Data G. Anzaldi		Analysing Big Data: How do we improve our models? F. van Eeuwijk	Analysing Big Data: Optimisation techniques X. Domingo	Big data applications in the agri-food sector revisited Case study Bayer J. Betrán
Coffee break					
11:30-12:30	Introduction to Big Data G. Anzaldi	Accessing, organising and handling Big Data M. Solanki	Analysing Big Data: How do we improve our models? F. van Eeuwijk	Analysing Big Data: Combining models in ensembles Business intelligence tools X. Domingo	Big data applications in the agri-food sector revisited Case study Carrefour **to be appointed**
12:30-13:30	Accessing, organising and handling Big Data M. Solanki		Analysing Big Data: Supervised learning S. Coleman	Architecture needed to exploit the results L. Echeverría	Big data applications in the agri-food sector revisited Case study John Deere D. Arrobas
Lunch break					
15:00-16:00	<u>Practical work</u> Understand a relevant state of the art Big Data architecture and tools with a simple example Accessing data from external sources Data integration Data exploration M. Solanki, X. Domingo, L. Echeverría	Analysing Big Data: Statistical and machine learning processes phases F. van Eeuwijk	Analysing Big Data: Unsupervised learning S. Coleman	ICARDA's activities on Big Data C. Biradar	<u>Practical work</u> Open data and other public data sources X. Domingo, F. van Eeuwijk, S. Coleman, C. Biradar, L. Echeverría
16:00-17:00		<u>Practical work</u> Consumer segmentation for targeted marketing S. Coleman, X. Domingo, F. van Eeuwijk, L. Echeverría	<u>Practical work</u> Predict plant growth from DNA and environmental conditions F. van Eeuwijk, X. Domingo, L. Echeverría	<u>Practical work</u> Image recognition X. Domingo, C. Biradar, L. Echeverría	
17:00-18:00					
18:00-19:00					