Workshop: Data management for wheat phenotyping

The Wheat Initiative, through the Expert Working Groups on Wheat Phenotyping and Wheat Information System, is organizing a two-day training workshop on data management for wheat phenotyping data. Attendees will be provided with an overview of current practices and methods for data standardization, and how to deal with the variability and heterogeneity inherent to research and breeding data sets. Data management approaches at some of the major research organizations will be given as examples.

In addition to presentations, attendees will have the opportunity to practice on some of their own datasets and try to format them according to published standards (www.miappe.org) and descriptive vocabularies from the Crop Ontology (www.cropontology.org). They will benefit from the advice of the expert presenters during hands-on exercise as well as learn from their experience in the research domain.

To ensure attendees have sufficient interaction with presenters, the workshop is capped at 25 participants maximum. For more information on the workshop please contact

wheat.initiative@julius-kuehn.de

Agenda (subject to change)

Monday, 24 September 2018	
Morning	Introduction to plant data standards - General overview (C. Pommier, Wheat IS) - MIAPPE overview (A. Françoise, A. Blondon, INRA URGI)
Coffee break	
	Morning session cont'd - Data management @ CIMMYT (TBA) - Data management @ INRA (national and EU wheat projects, TBA) - Wheat IS
Lunch	
Afternoon	Hands-on session I: - Fit own datasets to MIAPPE standard Wrap-up, end of day

Tuesday, 25 September 2018	

Morning	Introduction to crop ontology
	- General overview (E. Arnaud, TBA)
	- Wheat crop ontology (C. Pommier, T. Letellier, Wheat IS)
	- Examples of variables within crop ontology
	   o Phenology
	   o Trait vs phenology
	   o Time series
	   o Environment

Coffee break	
	General data management tools - Dataverse (E. Dzale) - G.E.M.S (TBA)
Lunch	
Afternoon	Hands-on session II: - Create variables and trains in the crop ontology Wrap-up, conclusions and next steps