Remote training on
DATA MANAGEMENT

Objective: The training course will offer a general overview of data management for plant phenotyping with a specific focus on FAIR principals at different levels from acquisition to exploration.

Target addressed: all researchers, technical staff and platform managers.

Dates: 20-27 November/04-07-11 December 2023| h.14:00-16:00 (CET)

Max no. of participants: no limitations

Award: certification of attendance

>> In order to participate in the remote training course you have to register here until 17 November 2023<<

TIME	SESSIONS	TRAINERS
Monday 20/11/2023 14:00-16:00 (CET)	**Session 1** **Introduction to FAIR data: why and how to make FAIR Data?** • Introduction • Identification (F & A) & naming conventions • API, Standards (A & I) • Ontology & controlled vocabularies (I) • Rich Metadata - Origins (R)	Pascal Neveu, INRAE Farzaneh Kazemipour, INRAE
Monday 27/11/2023 14:00-16:00 (CET)	**Session 2** **Experimental Data (1) – Storage** • Datafiles deposit - link to metadata • Data storage: overview of storage options	Pascal Neveu, INRAE

Monday 04/12/2023 14:00-16:00 (CET)	**Session 3** Experimental Data (2) – Description
	• Experiment description & MetaData
	• Experiment Advanced Description
	   ○ Factors
	   ○ Germplasm
	   ○ Scientific Objects
		Farzaneh Kazemipour, INRAE Isabelle Alic, INRAE

Thursday 07/12/2023 14:00-16:00 (CET)	**Session 4** **Advanced data management (1) - Variables & Measurements** • Measured data, Variables & Provenance • Data Pipeline, Automatized data insertion: data from sensors, data calculated from raw data, spatial data	Farzaneh Kazemipour, INRAE Isabelle Alic, INRAE
Monday 11/12/2023 14:00-16:00 (CET)	**Session 5** **Advanced data management (2) - Data Mining** • Annotation, Events and data enrichment • Exploration & visualisation & spatial data • Constitution of consumable data	Farzaneh Kazemipour, INRAE Isabelle Alic, INRAE