Root2Res

Workshop:
Root phenotyping
ICARDA-INRA Precision Phenotyping Platform
Sidi el Aidi, Settat Morocco
28TH FEBRUARY 2024

Organised by:

ICARDA
Science for resilient livelihoods in dry areas

Funded by
the European Union

Workshop program

7:00-9:00	**Departure from Rabat** (ICARDA Office, Green building)
9:00-9:15	**Arrival to the platform and introduction to R2R and BMB projects and to the workshop** (Andrea Visioni and Miguel Sanchez Garcia and ICARDA team)
9:15-10:45	**Phenobuggy and Physiotron practical demonstration and discussion with R2R and BMB project members** (Andrea Visioni)
10:45-11:30	**Coffee break**
11:30-13:00	**Soil Coring sampling and data collection with WinRhizo** (Anna Backhaus, Andrea Visioni and ICARDA Team)
13:00-14:00	**Lunch break**
14:00-16:00	**Shovelomics: sampling and data collection with shovelomic board and WinRhizo and other online free resources**
16:00-17:00	**Introduction to data analysis, machine learning and phenomic selection** (Zineb Dagdad and Safaa Ouaid)
17:00	**Departure to Rabat**

ICARDA will provide transportation to the platform, coffee break and lunch. The number of places is limited.

ICARDA-INRA Heat and Drought Precision Phenotyping Platform

The precision phenotyping platform, created in collaboration with the National Institute for Agricultural Research of Morocco (INRA) and CIMMYT, hosts a rainout shelter fully automated lysimeter (PhysioTron) equipped with an HTP system designed for drought and heat stress tolerance studies. Data collected from those and other ICARDA strategic testing locations across its mandate region are combined and used to provide elite germplasm to our NARES partners.

a) Physiotron facilities overview, b) Details of the fully automated system, c) Details of the HTP system measurement head, d) Overview of the Sidi el Aidi Station.

Don't miss the workshop. **Register here**!