

Conservation of *Musa* genetic resources

Bioversity manages the International Transit Centre, the world largest ex-situ collection of banana. The accessions are held in trust, and virus-free accessions are available for distribution upon request for the benefit of the *Musa* research-for-development community.

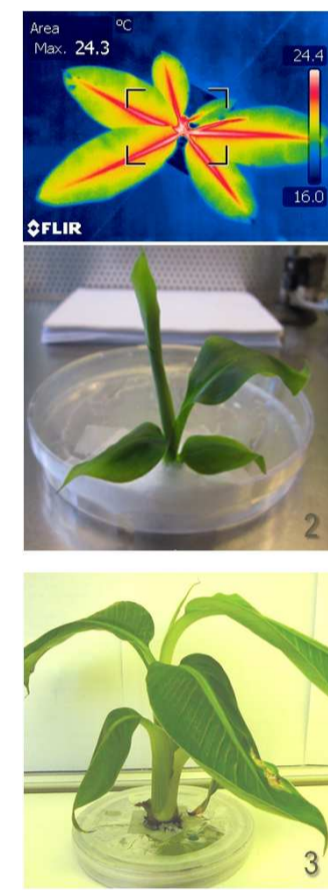
The development of a **Musa ontology** will encourage the use of the diversity, by providing a common language for characterization, genotyping and phenotyping and field evaluation. It will also allow the information in different data and information systems to be communicated to a range of users.



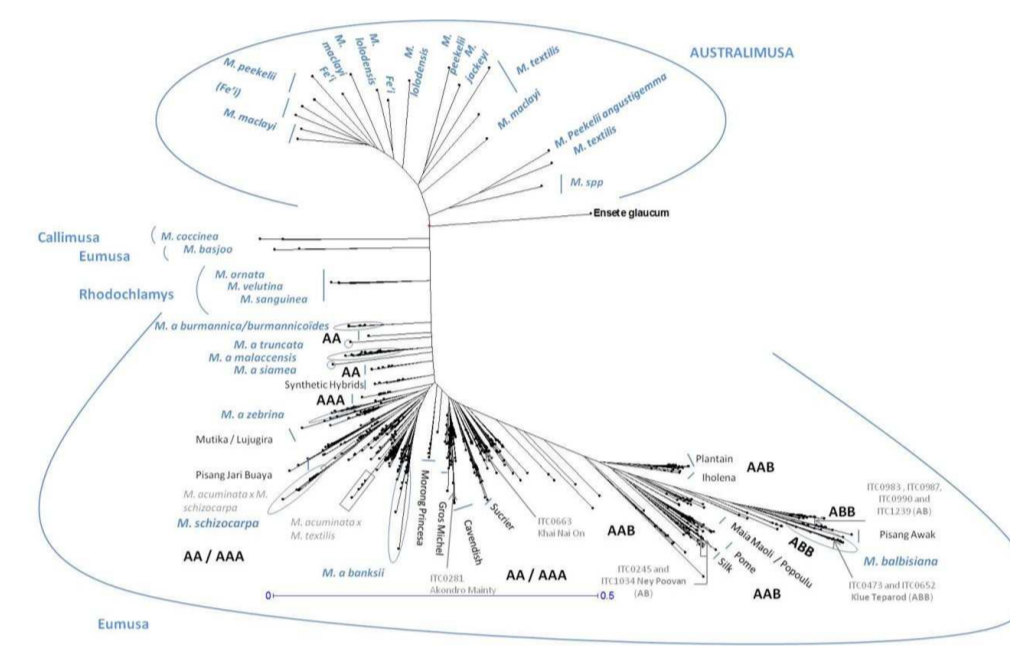
Understanding of genetic resources



Morphological characterisation



Phenotyping



Genotyping/ Sequencing



Field evaluation



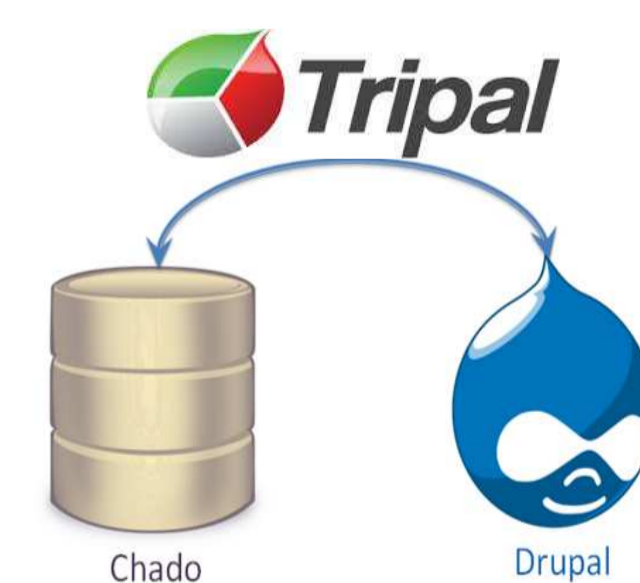
Banana ontology

Standardised data entry will be facilitated by mobile devices



Information systems

developed with community based open source software such as GMOD (eg. Chado, Tripal) or tiki-wiki



Musapedia



Use of genetic resources

The *Musa* genetic resources can be used directly in banana production systems or further used for crop improvement.

Musa Germplasm Information system



Banana Genome Hub

