

A Global Information System for the Conservation and Sustainable Use of Plant Genetic Resources for Food and Agriculture (PGRFA)

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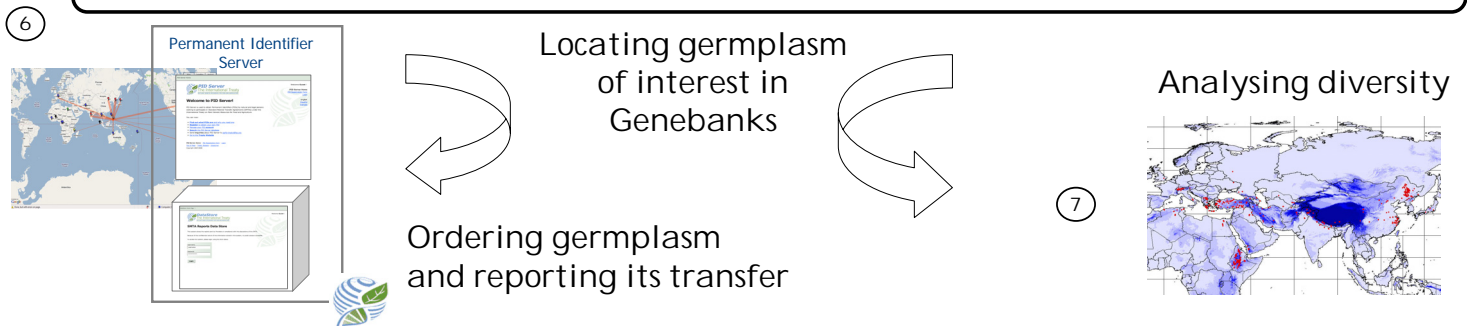
Crop genebanks



Data standards and Ontology



Global Information on Germplasm



For the scientific community using agrobiodiversity to develop new crop varieties

Unlocking crop diversity to facilitate germplasm use

- 1 Genebanks provide passport data and data on observations and collections of wild and cultivated species, including
 - Climate data
 - Coordinates
 - Scanned missions reports
- 2 GRIN-Global, USDA software, for crop genebanks
 - a powerful, flexible, easy-to-use global information management system: <http://www.grin-global.org>
- 3 Data standards and ontology for interoperability
 - Multi-crop Passport data
 - Characterization descriptors
 - Traits of interest
- 4 Mining data using the records compiled in
 - SINGER (CGIAR genebanks)
 - EURISCO (ECPGR, European genebanks)
 - GRIN (USDA, U.S. genebanks)
- 5 Agro-ecological data
 - Geographical representation of germplasm distribution in environments of interest.
 - The proven FIGS methodology will be among the tools used to facilitate utilization.
- 6 Germplasm Ordering and reporting
 - Order germplasm in compliance with ITPGRFA.
 - Permanent Identifier Server to obtain permanent identifiers for people and legal entities
 - A secured data store receives SMTA reports
- 7 Find germplasm of interest for agronomic evaluation and screening.