



1000FARMS

Making tricot data FAIR, from collection to reuse



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The problem

Tricot datasets are often collected using different formats and question sets

Lack of common standards and ontologies makes cross-trial integration difficult

Limited metadata in ClimMob hinders tricot trial data discovery and reuse



Contributions

Developed eight standard operating procedures for tricot data collection

Embedded standard questions and ontology annotations into collection templates for more consistent, interoperable, and reusable tricot data

Improved discoverability in ClimMob by expanding structured metadata fields (e.g. identifiers, locations, traits) and applying controlled lists to create consistent dataset linkages

Implications

Seamless integration of tricot trial datasets across crops, sites, and projects

Stronger interoperability with global standards through ontologies and controlled vocabularies

Enhanced visibility and impact, with tricot datasets openly available on GitHub and Zenodo, under a CC BY-SA 4.0 license, contributing to the global FAIR data ecosystem



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Next steps

Expand standard operating procedures by covering more crops and contexts

Automate FAIR workflows by integrating metadata generation and controlled lists directly into ClimMob processes

Publish FAIR tricot datasets automatically from ClimMob

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