

GCP Metadata Model

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Germplasm

Study

Location

Contact

...etc.

Metadata

Identifiers

Features

Ontologies

DataSources

Entity

Why are metadata confusing

- Because they are both data and metadata
- Because they do not have any clearly visible biological meaning
 - Their main meaning is “to share”, “to create a base of everything else”, “to be a core”
 - ...so let's start again

GCP Core Model

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The “Pretoria changes”

- Make the core as simple as possible
 - But still useful
- Define them to all possible details
 - Pictures will come tomorrow
 - Narratives will accompanied them
- Looking what else can be re-used from other existing models

Fuji



FUGE

- Criteria for model adoption
 - Easy to use
 - Richness of expression
 - Extent of standardization and wider community adoption

FUGE vs GCP Core Model

- FUGE simpler because domain is less complex
- GCP Identification is richer (uses NameSpaces)
- GCP Features: GCP model is richer model than NameValueType
- FUGE OntologyTerm model is more complete but needs modification to align with GCP model
- FUGE Describable + Identifiable is inverse of GCP Identifier + Entity
 - We ignored it...
- Describable "Description", "OntologyTerm" and URI annotation could be represented as GCP Entity Features
- FUGE and GCP Audit models are comparable
- GCP doesn't have a Security model like FUGE - probably don't need for now



The Devil in the Detail

...and some real examples

Components of the Core model

- Identification
- Ontology
- Features
- Data sources
- Entity
 - Put it all together and add few other things

To be continued tomorrow...