

Germplasm module

- currently ~1800 rice accessions
- Jim, Ken, Genevieve, Noel
- Germplasm gwiki notes
 - gwiki.gramene.org/Category:Germplasm

Data models

Germplasm partly based on GDPDM

Germplasm module

- accession name
- synonyms
- taxonomy (GR_tax id)
- gramene associations
- germplasm<->germplasm
- phenotype

GDPDM

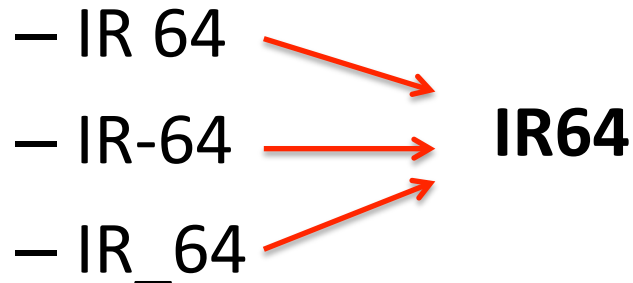
- accession name
- accession number
- plant source info
- seed stock id
- stock source
- taxonomy
- synonyms
- stock parent
- generation

Normalizing Germplasm Names


- Accession name is nexus point for integrating germplasm in gramene
- Normalizing accession name:


– IR 64
– IR-64
– IR_64

IR64



gwiki.gramene.org/Germplasm_Naming


synonyms

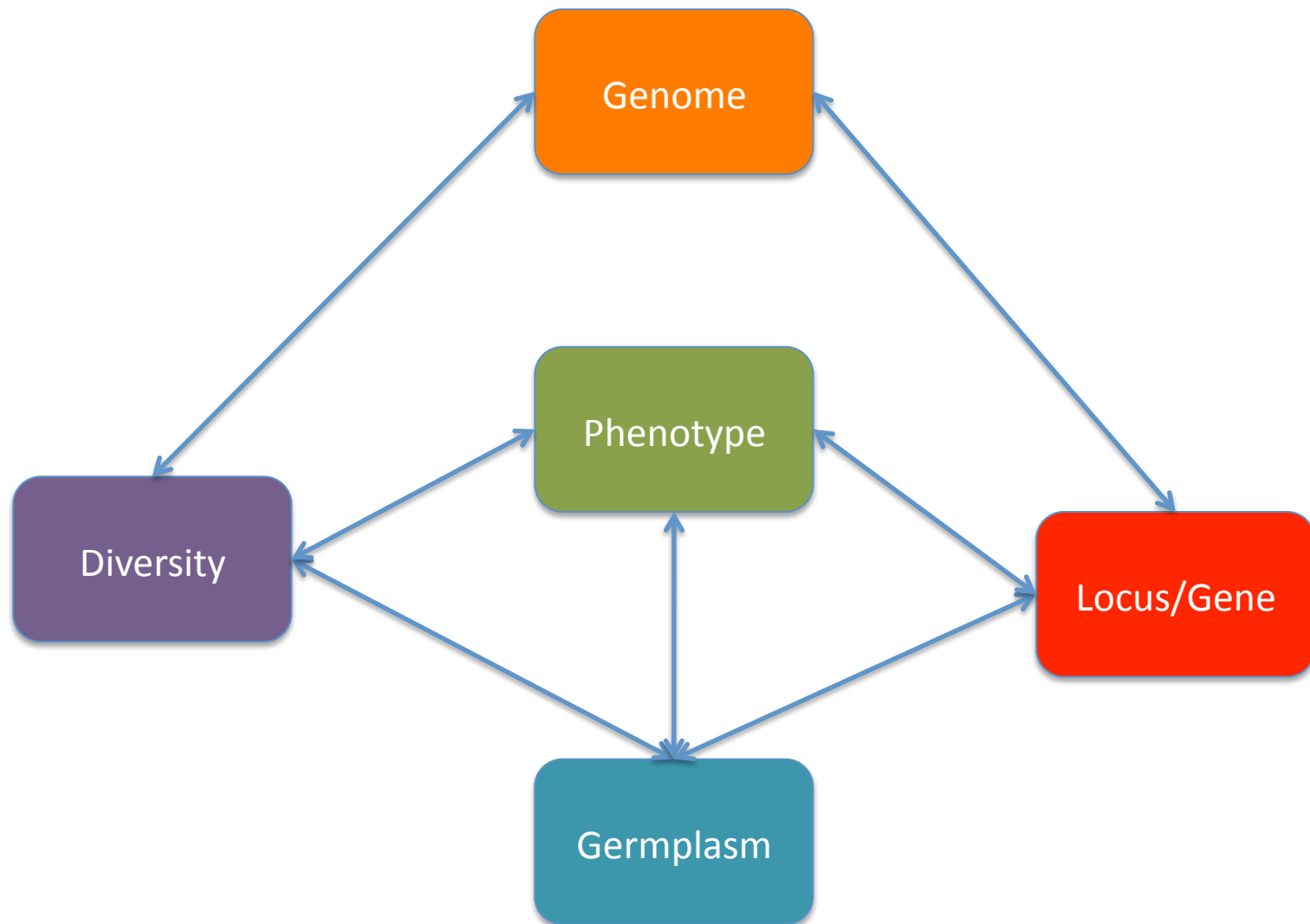

germplasm_acc

Loading Germplasm

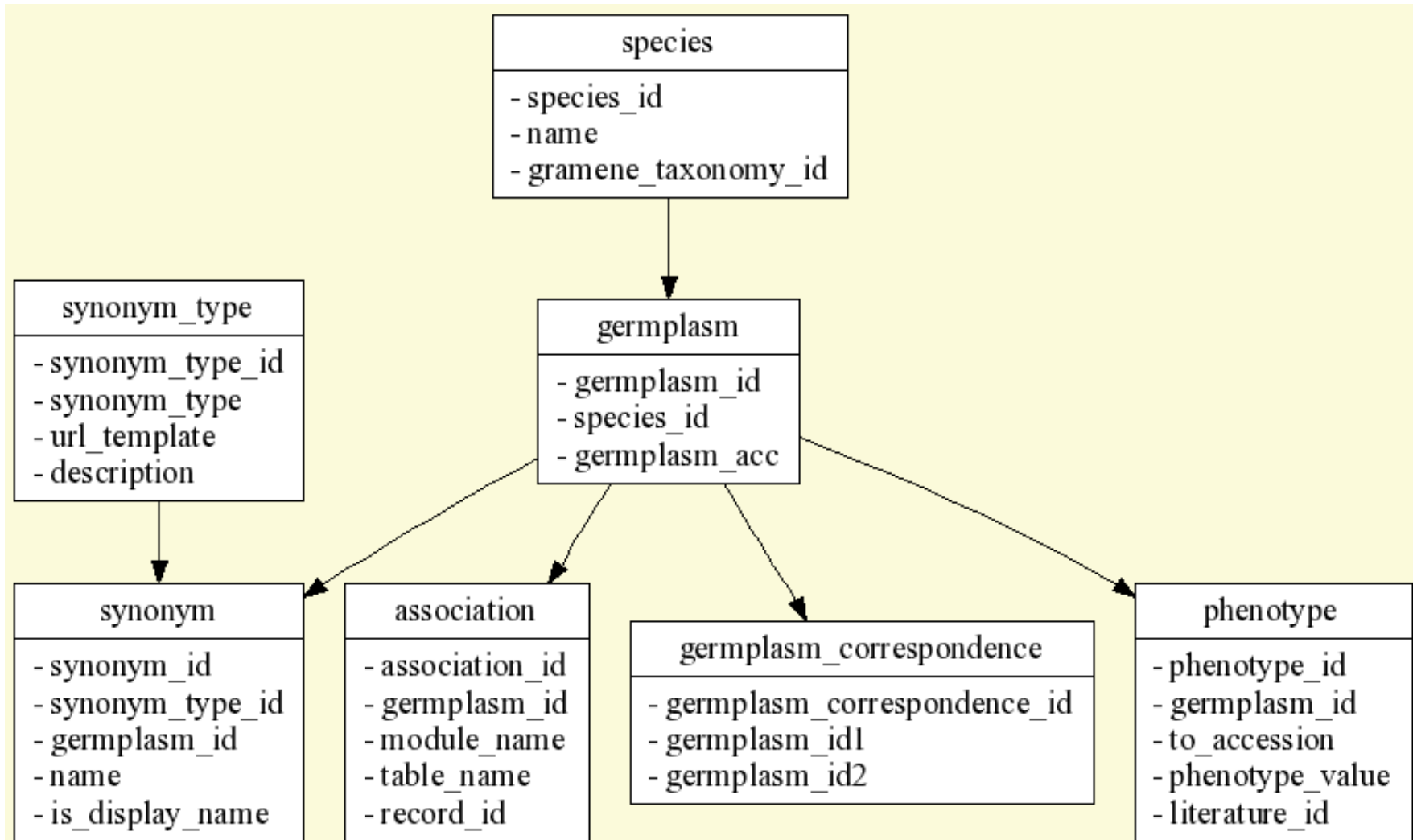
- Code: Jim, Ken
 - /usr/local/gramene/scripts/germplasm
- Diversity → Germplasm db
 - populate div_passport_acc in GDPDM
 - load into Germplasm
- Gramene-wide germplasm → Germplasm db
 - search gramene for 'germplasm' fields and create association
 - load into Germplasm
 - load phenotype data

Development

- Input template for user submitted data
- Curation interface for Karthik
- Schema development
 - Phenotype table → Phenotype module
- Bring in germplasm data from Gramene and Diversity on all germplasm
- Add more info to the front page
 - http://gwiki.gramene.org/Germplasm_Module_Design#User_Interface
- GRIN connectivity/linking...



Germplasm schema



Germplasm in GDPDM

