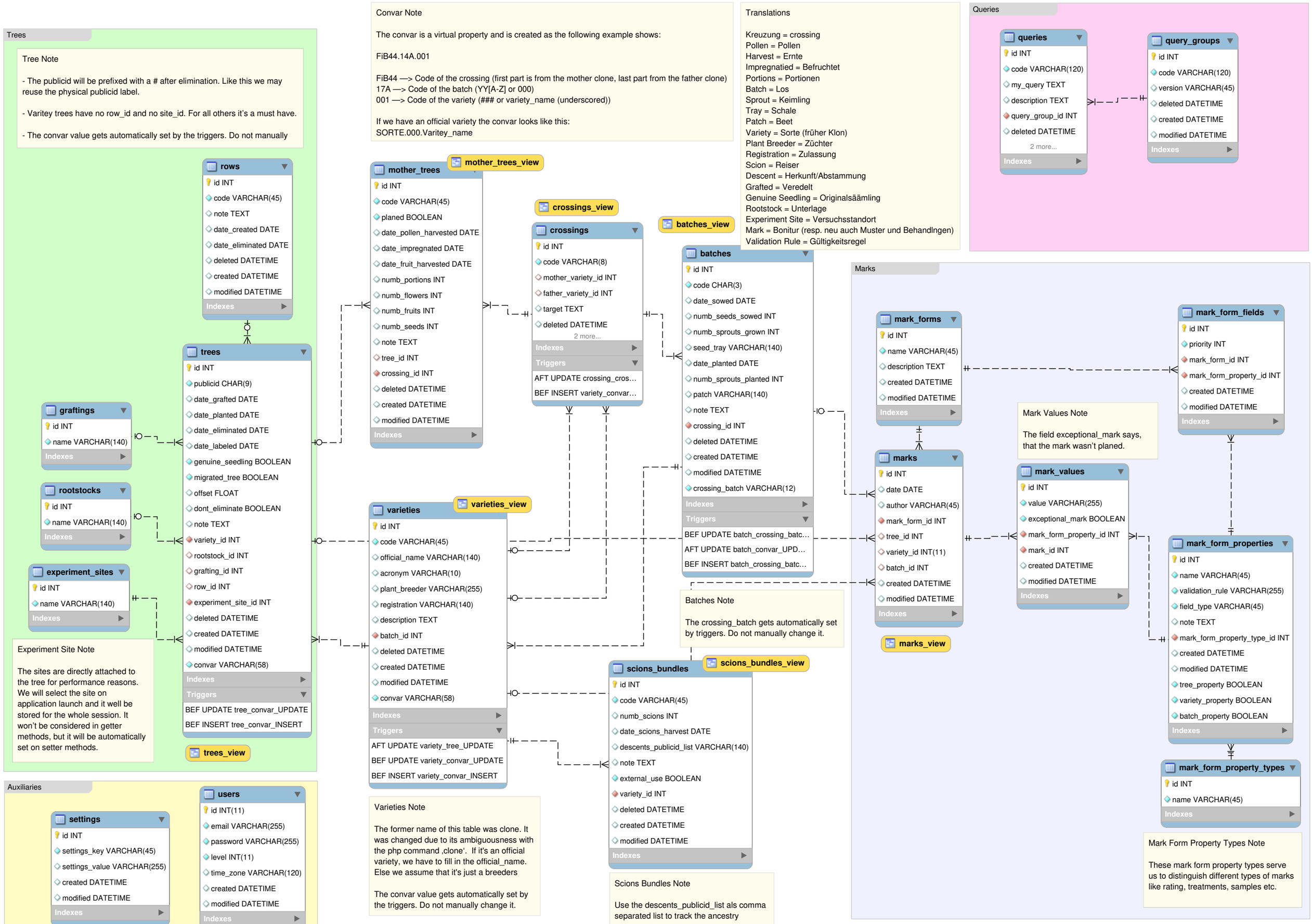
Trees
Tree Note
- The publicid will be prefixed with a # after elimination. Like this we may reuse the physical publicid label.
- Varitey trees have no row_id and no site_id. For all others it's a must have.
- The convar value gets automatically set by the triggers. Do not manually
rows
id INT
code VARCHAR(45)
note TEXT
date_created DATE
date_eliminated DATE
deleted DATETIME
created DATETIME
modified DATETIME
Indexes
trees
id INT
publicid CHAR(9)
date_grafted DATE
date_planted DATE
date_eliminated DATE
date_labeled DATE
genuine_seedling BOOLEAN
migrated_tree BOOLEAN
offset FLOAT
dont_eliminate BOOLEAN
note TEXT
variety_id INT
rootstock_id INT
grafting_id INT
row_id INT
experiment_site_id INT
deleted DATETIME
created DATETIME
modified DATETIME
convar VARCHAR(58)
Indexes
Triggers
BEF UPDATE tree_convar_UPDATE
BEF INSERT tree_convar_INSERT
trees_view
graftings
id INT
name VARCHAR(140)
Indexes
rootstocks
id INT
name VARCHAR(140)
Indexes
experiment_sites
id INT
name VARCHAR(140)
Indexes
Experiment Site Note
The sites are directly attached to the tree for performance reasons. We will select the site on application launch and it well be stored for the whole session. It won't be considered in getter methods, but it will be automatically set on setter methods.
Convar Note
The convar is a virtual property and is created as the following example shows:
FiB44.14A.001
FiB44 —> Code of the crossing (first part is from the mother clone, last part from the father clone)
17A —> Code of the batch (YY[A-Z] or 000)
001 —> Code of the variety (### or variety_name (underscored))
If we have an official variety the convar looks like this:
SORTE.000.Varitey_name
mother_trees
mother_trees_view
id INT
code VARCHAR(45)
planed BOOLEAN
date_pollen_harvested DATE
date_impregnated DATE
date_fruit_harvested DATE
numb_portions INT
numb_flowers INT
numb_fruits INT
numb_seeds INT
note TEXT
tree_id INT
crossing_id INT
deleted DATETIME
created DATETIME
modified DATETIME
Indexes
crossings_view
crossings
id INT
code VARCHAR(8)
mother_variety_id INT
father_variety_id INT
target TEXT
deleted DATETIME
2 more...
Indexes
Triggers
AFT UPDATE crossing_cros…
BEF INSERT variety_convar…
batches_view
batches
id INT
code CHAR(3)
date_sowed DATE
numb_seeds_sowed INT
numb_sprouts_grown INT
seed_tray VARCHAR(140)
date_planted DATE
numb_sprouts_planted INT
patch VARCHAR(140)
note TEXT
crossing_id INT
deleted DATETIME
created DATETIME
modified DATETIME
crossing_batch VARCHAR(12)
Indexes
Triggers
BEF UPDATE batch_crossing_batc…
AFT UPDATE batch_convar_UPD…
BEF INSERT batch_crossing_batc…
Translations
Kreuzung = crossing
Pollen = Pollen
Harvest = Ernte
Impregnatied = Befruchtet
Portions = Portionen
Batch = Los
Sprout = Keimling
Tray = Schale
Patch = Beet
Variety = Sorte (früher Klon)
Plant Breeder = Züchter
Registration = Zulassung
Scion = Reiser
Descent = Herkunft/Abstammung
Grafted = Veredelt
Genuine Seedling = Originalsäämling
Rootstock = Unterlage
Experiment Site = Versuchsstandort
Mark = Bonitur (resp. neu auch Muster und Behandlngen)
Validation Rule = Gültigkeitsregel
Queries
queries
id INT
code VARCHAR(120)
my_query TEXT
description TEXT
query_group_id INT
deleted DATETIME
2 more...
Indexes
query_groups
id INT
code VARCHAR(120)
version VARCHAR(45)
deleted DATETIME
created DATETIME
modified DATETIME
Indexes
Marks
mark_forms
id INT
name VARCHAR(45)
description TEXT
created DATETIME
modified DATETIME
Indexes
mark_form_fields
id INT
priority INT
mark_form_id INT
mark_form_property_id INT
created DATETIME
modified DATETIME
Indexes
marks
id INT
date DATE
author VARCHAR(45)
mark_form_id INT
tree_id INT
variety_id INT(11)
batch_id INT
created DATETIME
modified DATETIME
Indexes
marks_view
Mark Values Note
The field exceptional_mark says, that the mark wasn't planed.
mark_values
id INT
value VARCHAR(255)
exceptional_mark BOOLEAN
mark_form_property_id INT
mark_id INT
created DATETIME
modified DATETIME
Indexes
mark_form_properties
id INT
name VARCHAR(45)
validation_rule VARCHAR(255)
field_type VARCHAR(45)
note TEXT
mark_form_property_type_id INT
created DATETIME
modified DATETIME
tree_property BOOLEAN
variety_property BOOLEAN
batch_property BOOLEAN
Indexes
mark_form_property_types
id INT
name VARCHAR(45)
Indexes
Mark Form Property Types Note
These mark form property types serve us to distinguish different types of marks like rating, treatments, samples etc.
varieties
varieties_view
id INT
code VARCHAR(45)
official_name VARCHAR(140)
acronym VARCHAR(10)
plant_breeder VARCHAR(255)
registration VARCHAR(140)
description TEXT
batch_id INT
deleted DATETIME
created DATETIME
modified DATETIME
convar VARCHAR(58)
Indexes
Triggers
AFT UPDATE variety_tree_UPDATE
BEF UPDATE variety_convar_UPDATE
BEF INSERT variety_convar_INSERT
Varieties Note
The former name of this table was clone. It was changed due to its ambiguousness with the php command ‚clone'. If it's an official variety, we have to fill in the official_name. Else we assume that it's just a breeders
The convar value gets automatically set by the triggers. Do not manually change it.
Batches Note
The crossing_batch gets automatically set by triggers. Do not manually change it.
scions_bundles
scions_bundles_view
id INT
code VARCHAR(45)
numb_scions INT
date_scions_harvest DATE
descents_publicid_list VARCHAR(140)
note TEXT
external_use BOOLEAN
variety_id INT
deleted DATETIME
created DATETIME
modified DATETIME
Indexes
Scions Bundles Note
Use the descents_publicid_list als comma separated list to track the ancestry
Auxiliaries
settings
id INT
settings_key VARCHAR(45)
settings_value VARCHAR(255)
created DATETIME
modified DATETIME
Indexes
users
id INT(11)
email VARCHAR(255)
password VARCHAR(255)
level INT(11)
time_zone VARCHAR(120)
created DATETIME
modified DATETIME
Indexes