The Werner Rauh Heritage Project's Data Model

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tb_itinerary
contains all geographical points which Werner Rauh mentioned in his fieldbooks. Observed and/or collected taxa are also stored, with names as written in the fieldbooks.

tb_entry
contains all entries with a fieldbook-number. If the location cannot be found in `tb_itinerary`, location data is stored in the `entry-...-`fields.

tb_synonym
will contain all names found in the fieldbooks; at the moment we insert only names of type-collections. Basyonyms from `tb_taxon` are treated as synonyms as well and stored in this table. Names in this table do not need to be valid according to ICBN!

tb_taxon
will contain all taxa in the future, at the moment type-taxa only, with reference to entries and points of itinerary, defined by basionym, protologue and type information. Only valid names according to ICBN are recorded in this table!

tb_itinery_synonym
links points of itinerary to synonyms and vice versa.
Allows queries like «which plants found Rauh at location xyz?» or «on which locations observed Rauh plant xyz?»

tb_itinerary_taxon
links points of itinerary to taxa and vice versa.
Allows queries like «which taxa found Rauh at location xyz?» or «on which locations observed Rauh taxon xyz?»

tb_admin_div, tb_admin_div_list
contains the terms for a maximum of three levels of administrative divisions for each country found in the fieldbooks, written in the country's official language. This makes it possible to store only the names of admin divisions, found in `tb_admin_div_list`, in `tb_itinerary` and `tb_entry`, not the terms.

tb_itinerary
itinerary_id INT(10)
classification ENUM see documentation
classification_source TEXT
country_ISO VARCHAR(2)
country VARCHAR(255)
admin_div_level1 VARCHAR(255)
admin_div_level2 VARCHAR(255)
admin_div_level3 VARCHAR(255)
municipality VARCHAR(255)
location TEXT
environment TEXT
itinery_comment TEXT
taxa_as_written TEXT
latitude1 DECIMAL
longitude1 DECIMAL
latitude2 DECIMAL
longitude2 DECIMAL
precision_km INTEGER
elevation1 INTEGER
elevation2 INTEGER
date_y INTEGER
date_m INTEGER
date_d INTEGER
time_h INTEGER
time_m INTEGER
sortindex_itinerary INTEGER
scan1 VARCHAR(255)
scan2 VARCHAR(255)
scan3 VARCHAR(255)
itinerary_complete BOOL

tb_itinerary_taxon
itinerary_id INT(10)
taxon_id INT(10)
taxon_as_written VARCHAR(255)
itinerary_taxon_comment TEXT

tb_admin_div
country_ISO VARCHAR(2)
div_level1 VARCHAR(255)
div_level2 VARCHAR(255)
div_level3 VARCHAR(255)
admin_div_comment TEXT

tb_FDD
...

tb_users
...

tb_rauh_maps
...

tb_session
...

tb_RauhBackeb
...

tb_changelog
...

tb_admin_div_list
...

tb_images
image_id INT(6)
entry_sortindex BIGINT(20)
Rauh_Nr VARCHAR(255)
Garten_Nr INT(6)
file_name VARCHAR(255)
depicted_part VARCHAR(255)
image_photographer VARCHAR(255)
image_comment TEXT
suberbild BOOL
image_timestamp TIMESTAMP

tb_entry
entry_id INT(10)
legname VARCHAR(255)
legnumber VARCHAR(255)
sortindex BIGINT(20)
category ENUM('FDB','FDD','EGB','OTR','PTL','HRB')
category_comment TEXT
legdate_y INT(11)
legdate_m INT(11)
legdate_d INT(11)
legdate_classification ENUM see documentation
link_to_fdb VARCHAR(255)
collected_as_name TEXT
collected_part VARCHAR(255)
type_collection ENUM('0','1','8','9')
taxon_id INT(10)
taxon_id_set_by VARCHAR(255)
taxonomy_comment TEXT
synonym_id INT(10)
itinerary_id INT(10)
locality_comment TEXT
timestamp TIMESTAMP
entry_classification ENUM see documentation
entry_classification_source VARCHAR(255)
entry_country_ISO VARCHAR(2)
entry_country VARCHAR(255)
entry_admin_div_level1 VARCHAR(255)
entry_admin_div_level2 VARCHAR(255)
entry_admin_div_level3 VARCHAR(255)
entry_municipality VARCHAR(255)
entry_location TEXT
entry_environment TEXT
entry_latitude1 DECIMAL(10,7)
entry_longitude1 DECIMAL(10,7)
entry_latitude2 DECIMAL(10,7)
entry_longitude2 DECIMAL(10,7)
entry_precision_km DECIMAL(10,2)
entry_elevation1 INT(11)
entry_elevation2 INT(11)
entry_comment TEXT
entry_complete BOOL

tb_taxon
taxon_id INT(10)
sysid_gartenbank INT(10)
basionym_familia VARCHAR(255)
basionym_genus VARCHAR(255)
basionym_auctor_genus VARCHAR(255)
basionym_species VARCHAR(255)
basionym_auctor_species VARCHAR(255)
basionym_infra_praefix VARCHAR(255)
basionym_infra VARCHAR(255)
basionym_auctor_infra VARCHAR(255)
protolog VARCHAR(255)
typus VARCHAR(255)
date_of_publication VARCHAR(255)
taxon_comment TEXT
taxon_timestamp TIMESTAMP

tb_itinerary_synonym
itinerary_id INT(10)
synonym_id INT(10)
Name_as_written VARCHAR(255)
nomenclature VARCHAR(255)
itinerary_synonym_comment TEXT

tb_synonym
synonym_id INT(10)
taxon_id INT(10)
Tropicos_name_id INT(10)
IPNI_name_id VARCHAR(255)
synonym_familia VARCHAR(255)
synonym_genus VARCHAR(255)
synonym_auctor_genus VARCHAR(255)
synonym_species VARCHAR(255)
synonym_auctor_species VARCHAR(255)
synonym_infra_praefix VARCHAR(255)
synonym_infra VARCHAR(255)
synonym_auctor_infra VARCHAR(255)
synonym_reference VARCHAR(255)
synonym_comment TEXT

http://gartenbank.hip.uni-heidelberg.de/

http://www.tropicos.org/

http://www.ipni.org/