gps_tracking_db



age class code (PK) age class description

lu_species

species code (PK) species description

lu_gps_validity

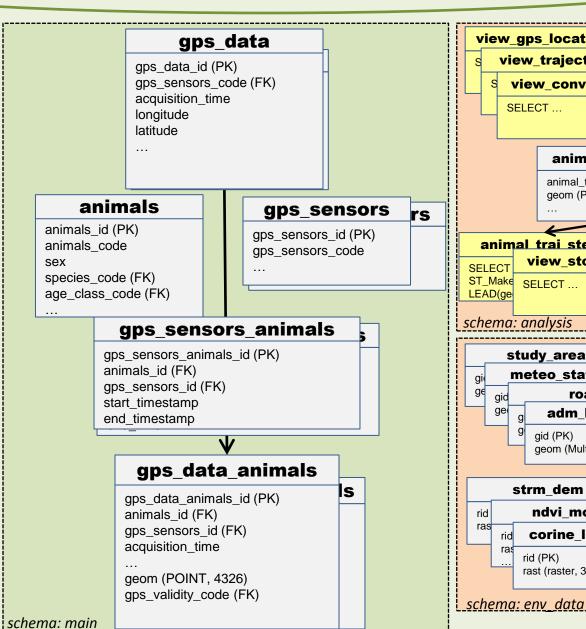
gps validity code (PK) gps validity description

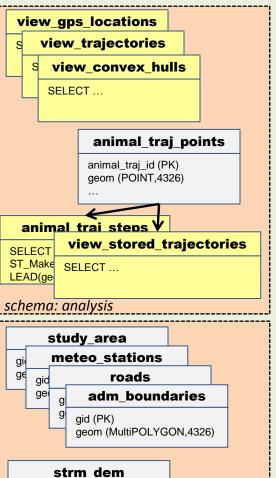
schema: lu tables

functions

trigger **functions**

schema: tools





ndvi modis

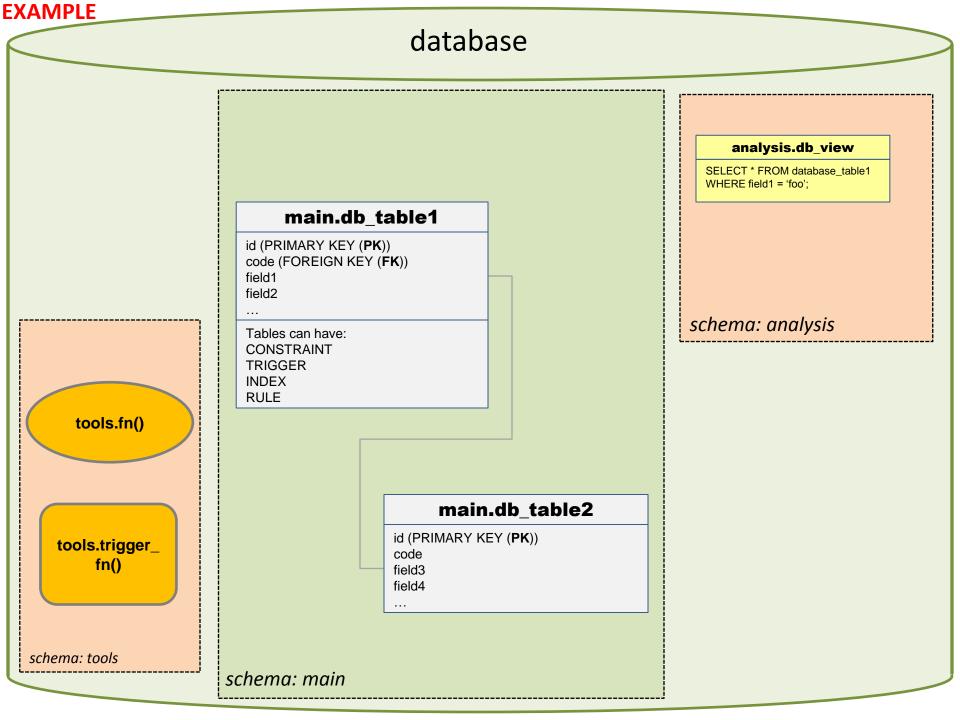
rast (raster, 3035)

rid (PK)

corine land cover

rid

ras



gps_tracking_db

gps_data

gps_data_id (PK) gps_sensors_code acquisition_time longitude latitude

• • •

insert_timestamp

INDEX on gps_sensors_code INDEX on acquisition_time

schema: main

gps_tracking_db

gps_data

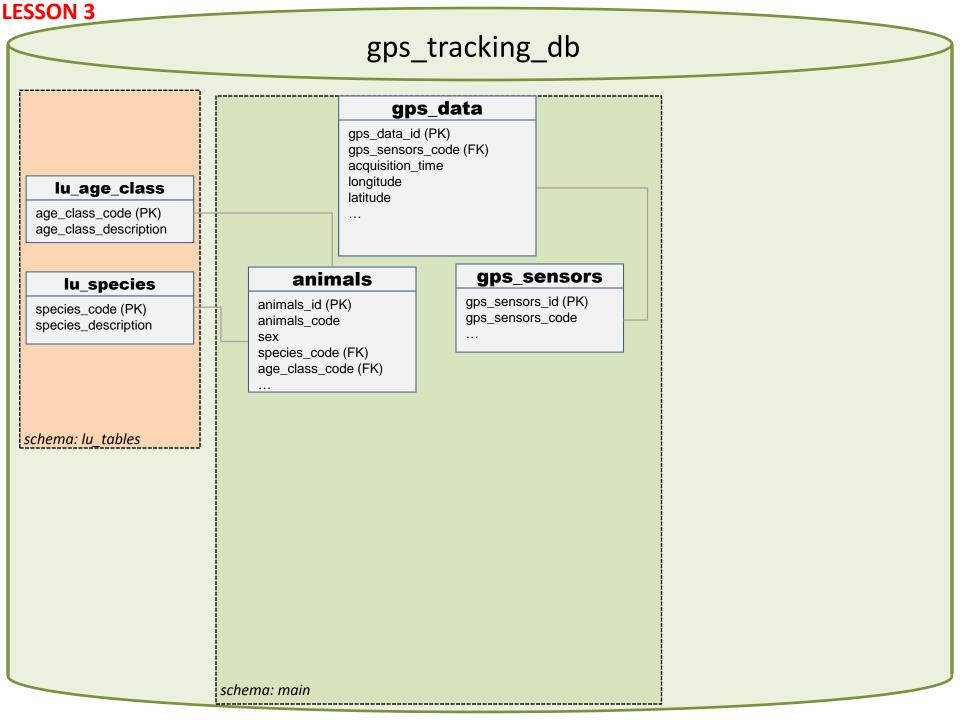
gps_data_id (PK) gps_sensors_code acquisition_time longitude latitude

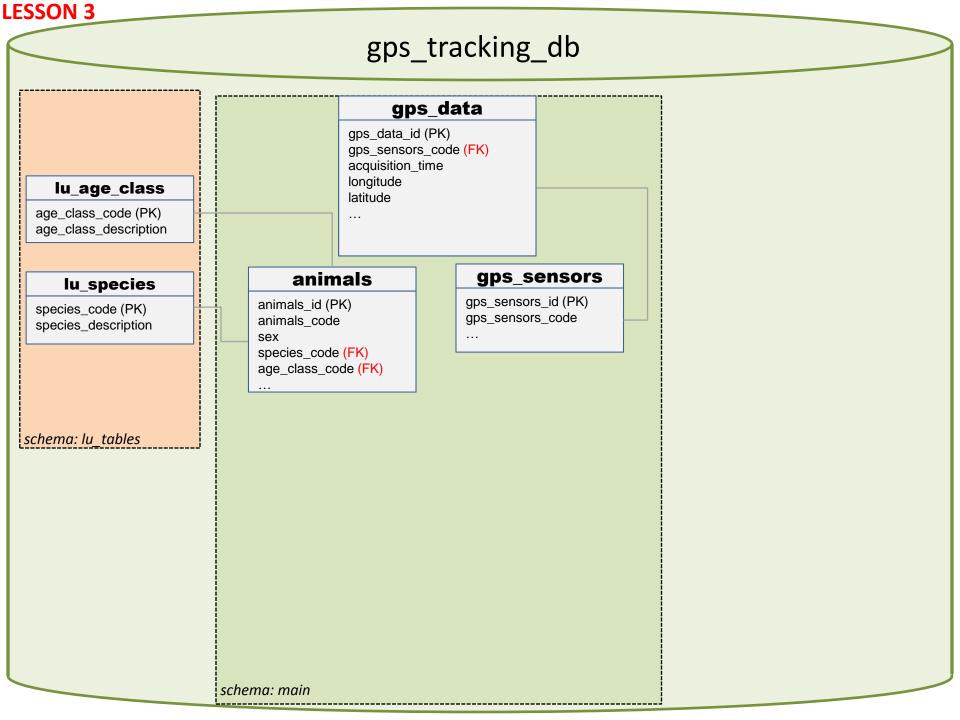
• • •

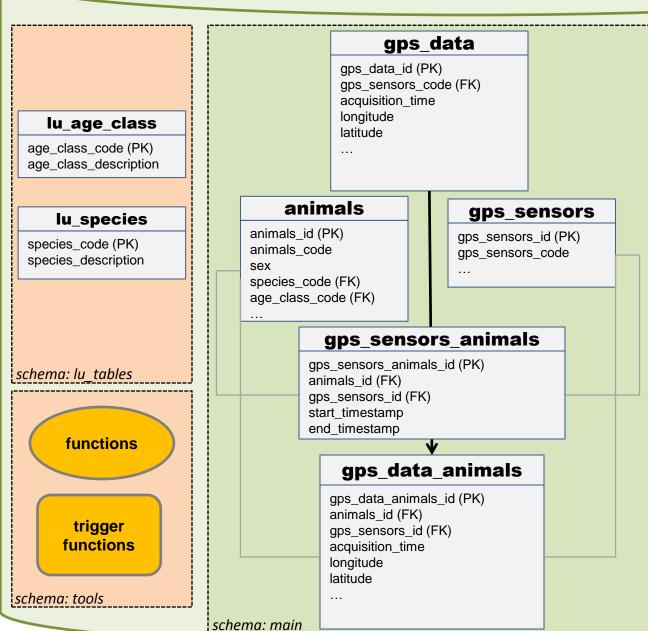
insert_timestamp

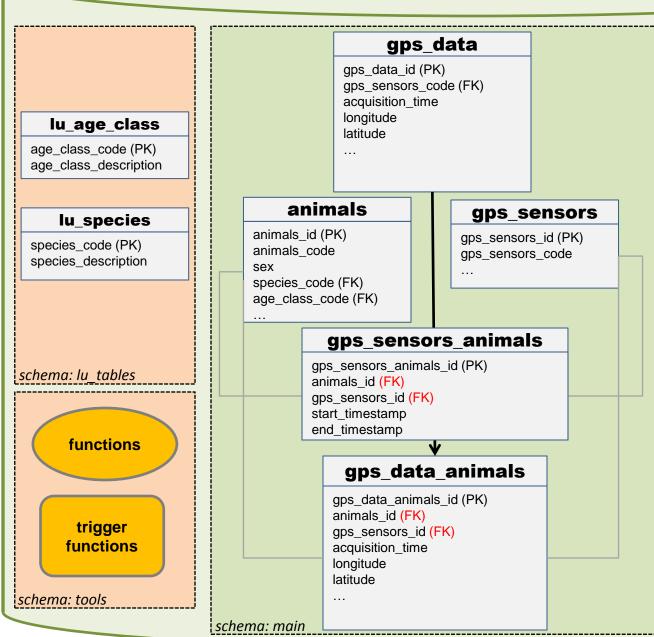
INDEX on gps_sensors_code INDEX on acquisition_time

schema: main







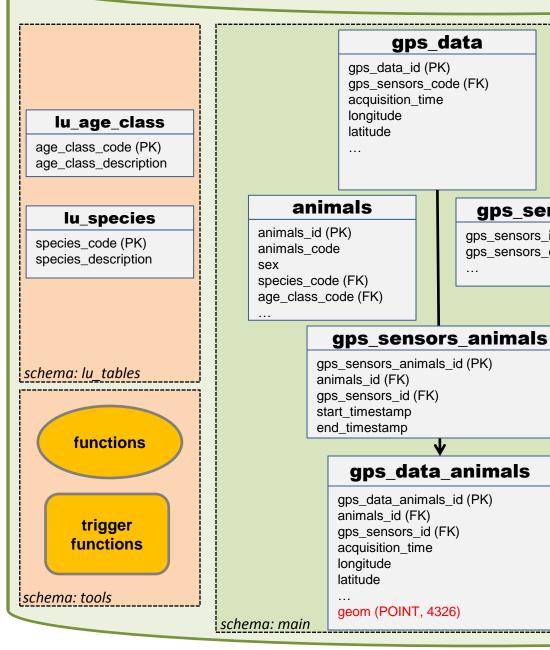


gps_tracking_db

gps_sensors

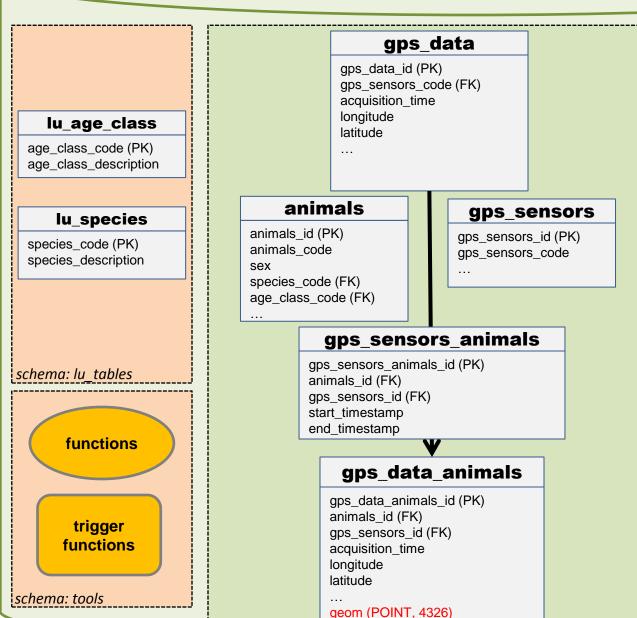
gps sensors id (PK)

gps sensors code



view_gps_locations view trajectories view convex hulls SELECT ... schema: analysis

gps_tracking_db



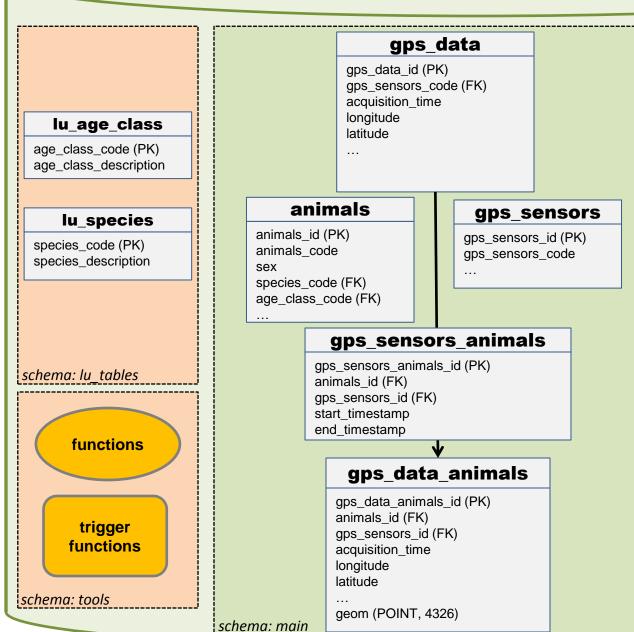
schema: main

view_gps_locations
view_trajectories
view_convex_hulls
SELECT ...

schema: analysis

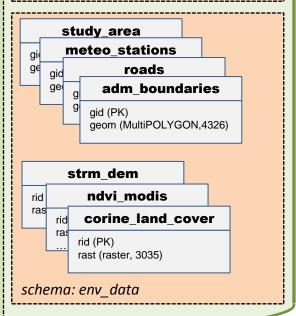
LESSON 6-7

gps_tracking_db



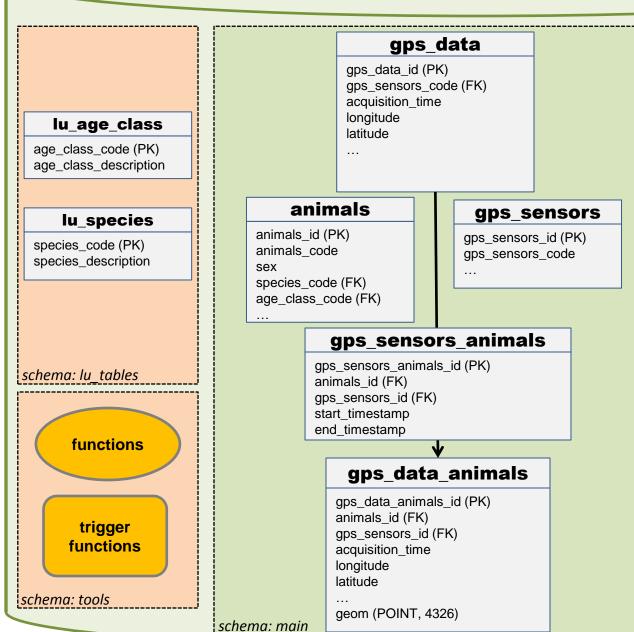
view_gps_locations
view_trajectories
view_convex_hulls
SELECT ...

schema: analysis



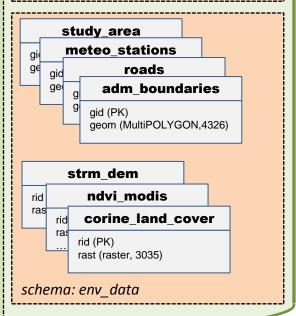
LESSON 6-7

gps_tracking_db

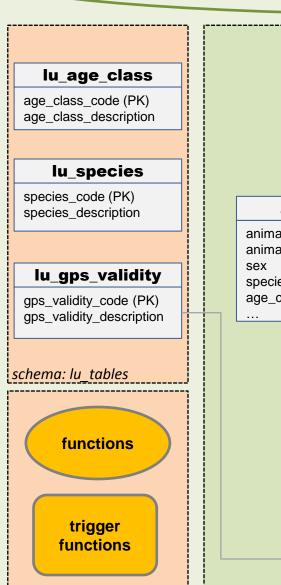


view_gps_locations
view_trajectories
view_convex_hulls
SELECT ...

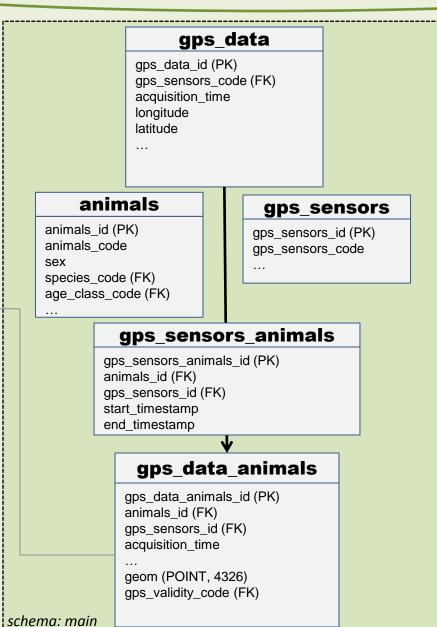
schema: analysis

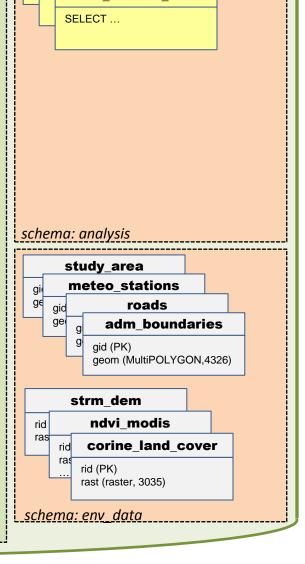


gps_tracking_db



schema: tools



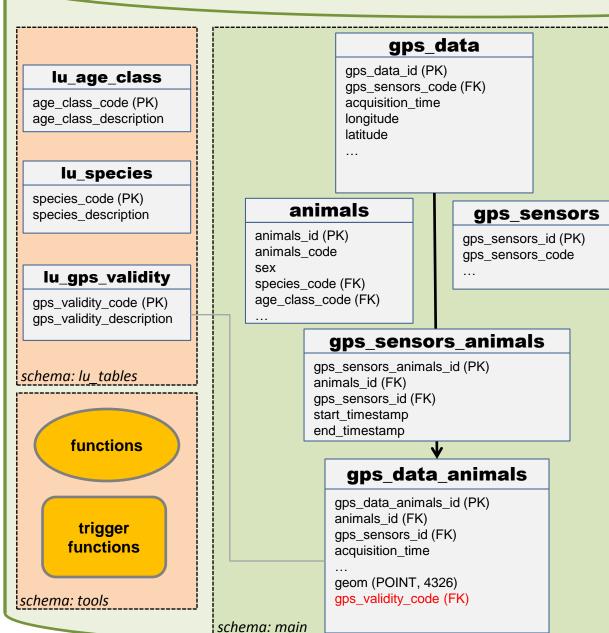


view_gps_locations

view_trajectories

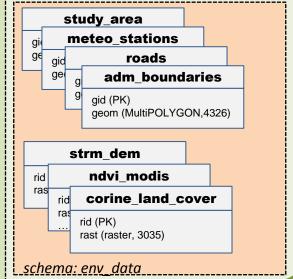
view convex hulls

gps_tracking_db



view_gps_locations
s view_trajectories
s view_convex_hulls
SELECT ...

schema: analysis



gps_tracking_db

lu_age_class

age_class_code (PK) age_class_description

lu_species

species_code (PK) species_description

lu_gps_validity

gps_validity_code (PK) gps_validity_description

schema: lu tables

functions

trigger functions

schema: tools

gps_data

gps_data_id (PK) gps_sensors_code (FK) acquisition_time longitude latitude

animals

animals_id (PK) animals_code sex species_code (FK) age_class_code (FK)

gps_sensors

gps_sensors_id (PK) gps_sensors_code ...

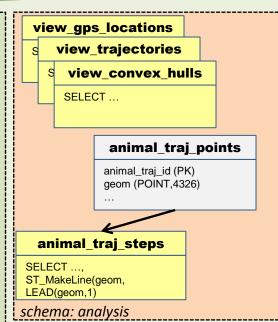
gps_sensors_animals

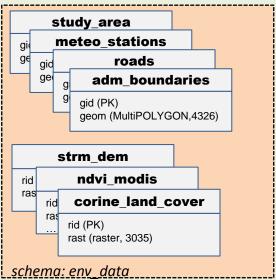
gps_sensors_animals_id (PK)
animals_id (FK)
gps_sensors_id (FK)
start_timestamp
end_timestamp

gps_data_animals

gps_data_animals_id (PK) animals_id (FK) gps_sensors_id (FK) acquisition_time ... geom (POINT, 4326) gps_validity_code (FK)

schema: main





gps_tracking_db

lu_age_class

age_class_code (PK) age class description

lu_species

species_code (PK) species_description

lu_gps_validity

gps_validity_code (PK) gps_validity_description

schema: lu tables

functions

trigger functions

schema: tools

gps_data

gps_data_id (PK) gps_sensors_code (FK) acquisition_time longitude latitude

animals

animals_id (PK) animals_code sex species_code (FK) age_class_code (FK)

gps_sensors

gps_sensors_id (PK) gps_sensors_code ...

gps_sensors_animals

gps_sensors_animals_id (PK) animals_id (FK) gps_sensors_id (FK) start_timestamp end_timestamp

gps_data_animals

gps_data_animals_id (PK)
animals_id (FK)
gps_sensors_id (FK)
acquisition_time
...
geom (POINT, 4326)
gps_validity_code (FK)

schema: main

view_gps_locations view_trajectories view_convex_hulls SELECT ... animal_traj_points animal_traj_id (PK) geom (POINT,4326) ... animal_traj_steps SELECT ..., ST_MakeLine(geom, LEAD(geom,1) schema: analysis

