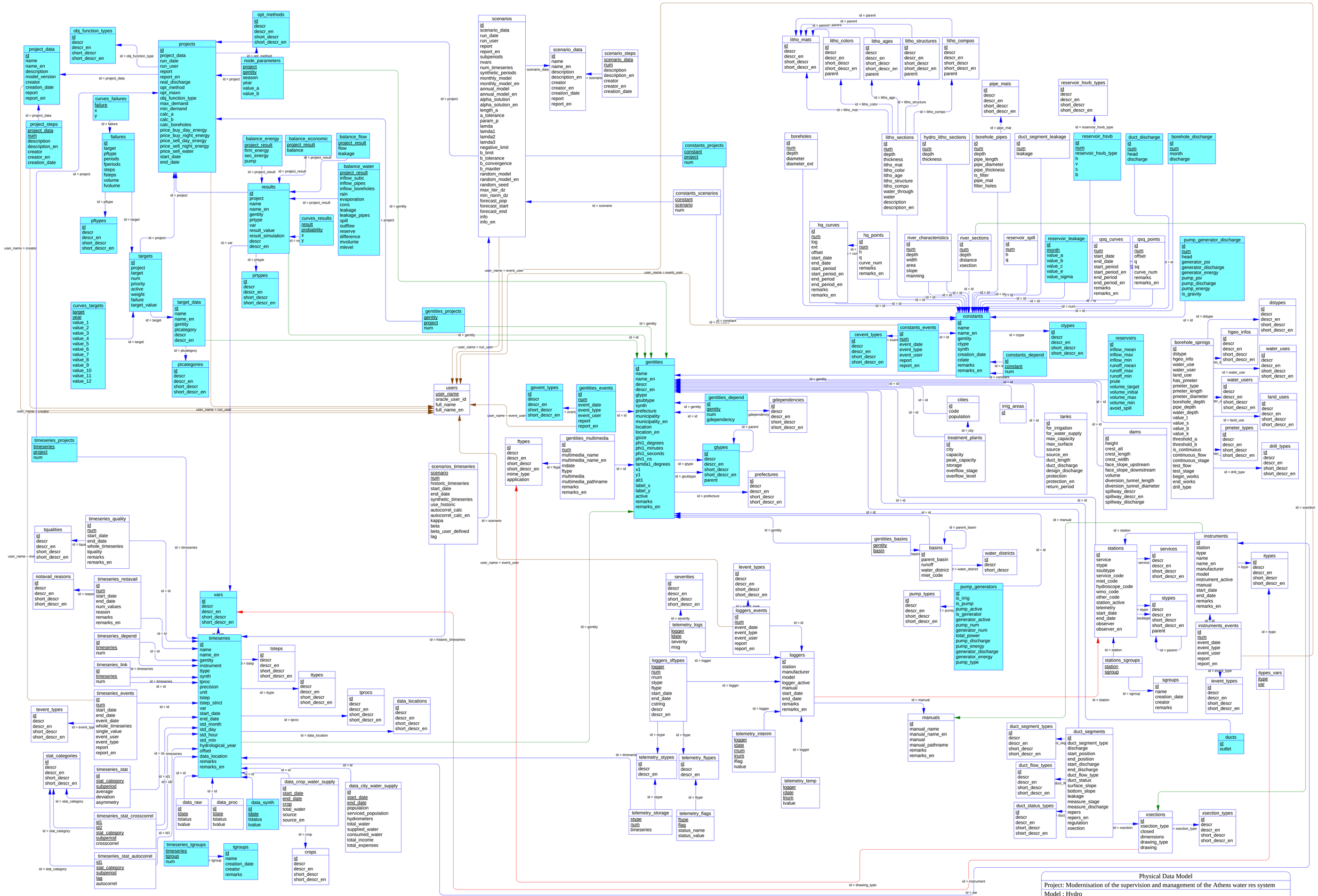
opt_methods
id
descr
descr_en
short_descr
short_descr_en
obj_function_types
id
descr
descr_en
short_descr
short_descr_en
projects
id
project_data
run_date
run_user
report
report_en
real_discharge
opt_method
opt_maxn
obj_function_type
max_demand
min_demand
calc_a
calc_b
calc_boreholes
price_buy_day_energy
price_buy_night_energy
price_sell_day_energy
price_sell_night_energy
price_sell_water
start_date
end_date
project_data
id
name
name_en
description
model_version
creator
creation_date
report
report_en
node_parameters
project
gentity
season
year
value_a
value_b
curves_failures
failure
x
y
project_steps
project_data
num
description
description_en
creator
creator_en
creation_date
failures
id
target
pftype
periods
fperiods
steps
fsteps
volume
fvolume
pftypes
id
descr
descr_en
short_descr
short_descr_en
balance_energy
project_result
firm_energy
sec_energy
pump
balance_economic
project_result
balance
balance_flow
project_result
flow
leakage
balance_water
project_result
inflow_subc
inflow_pipes
inflow_boreholes
rain
evaporation
cons
leakage
leakage_pipes
spill
outflow
reserve
difference
mvolume
mlevel
results
id
project
name
name_en
gentity
prtype
var
result_value
result_simulation
descr
descr_en
curves_results
result
probability
x
y
prtypes
id
descr
descr_en
short_descr
short_descr_en
targets
id
project
target
num
priority
active
weight
failure
target_value
curves_targets
target
year
value_1
value_2
value_3
value_4
value_5
value_6
value_7
value_8
value_9
value_10
value_11
value_12
target_data
id
name
name_en
gentity
ptcategory
descr
descr_en
ptcategories
id
descr
descr_en
short_descr
short_descr_en
scenarios
id
scenario_data
run_date
run_user
report
report_en
subperiods
nvars
num_timeseries
synthetic_periods
monthly_model
monthly_model_en
annual_model
annual_model_en
alpha_solution
alpha_solution_en
length_a
a_tolerance
param_p
lamda
lamda1
lamda2
lamda3
negative_limit
b_limit
b_tolerance
b_convergence
b_maxiter
random_model
random_model_en
random_seed
max_iter_dz
min_norm_dz
forecast_pop
forecast_start
forecast_end
info
info_en
scenario_data
id
name
name_en
description
description_en
creator
creator_en
creation_date
report
report_en
scenario_steps
scenario_data
num
description
description_en
creator
creator_en
creation_date
constants_projects
constant
project
num
constants_scenarios
constant
scenario
num
gentities_projects
gentity
project
num
users
user_name
oracle_user_id
full_name
full_name_en
timeseries_projects
timeseries
project
num
gevent_types
id
descr
descr_en
short_descr
short_descr_en
gentities_events
id
num
event_date
event_type
event_user
report
report_en
gentities
id
name
name_en
descr
descr_en
gtype
gsubtype
synth
prefecture
municipality
municipality_en
location
location_en
gsize
phi1_degrees
phi1_minutes
phi1_seconds
phi1_ns
lamda1_degrees
x1
y1
alt1
label_x
label_y
active
remarks
remarks_en
gentities_depend
id
gentity
num
gdependency
gdependencies
id
descr
descr_en
short_descr
short_descr_en
gtypes
id
descr
descr_en
short_descr
short_descr_en
parent
prefectures
id
descr
descr_en
short_descr
short_descr_en
ftypes
id
descr
descr_en
short_descr
short_descr_en
mime_type
application
gentities_multimedia
id
num
multimedia_name
multimedia_name_en
mdate
ftype
multimedia
multimedia_pathname
remarks
remarks_en
scenarios_timeseries
scenario
num
historic_timeseries
start_date
end_date
synthetic_timeseries
use_historic
autocorrel_calc
autocorrel_calc_en
kappa
beta
beta_user_defined
lag
litho_mats
litho_colors
litho_ages
litho_structures
litho_compos
pipe_mats
reservoir_hsvb_types
boreholes
id
num
depth
diameter
diameter_ext
litho_sections
id
num
depth
thickness
litho_mat
litho_color
litho_age
litho_structure
litho_compo
water_through
water
description
description_en
hydro_litho_sections
id
num
depth
thickness
borehole_pipes
id
num
depth
pipe_length
pipe_diameter
pipe_thickness
is_filter
pipe_mat
filter_holes
duct_segment_leakage
id
num
leakage
reservoir_hsvb
id
num
reservoir_hsvb_type
h
v
s
b
duct_discharge
id
num
head
discharge
borehole_discharge
id
num
month
discharge
hq_curves
id
num
log
ext
offset
start_date
end_date
start_period
start_period_en
end_period
end_period_en
remarks
remarks_en
hq_points
id
num
h
q
curve_num
remarks
remarks_en
river_characteristics
id
num
depth
width
area
slope
manning
river_sections
id
num
depth
distance
xsection
reservoir_spill
id
num
h
q
reservoir_leakage
id
month
value_a
value_b
value_c
value_e
value_sigma
qsq_curves
id
num
start_date
end_date
start_period
start_period_en
end_period
end_period_en
remarks
remarks_en
qsq_points
id
num
offset
q
sq
curve_num
remarks
remarks_en
pump_generator_discharge
id
num
head
generator_psi
generator_discharge
generator_energy
pump_psi
pump_discharge
pump_energy
is_gravity
constants
id
name
name_en
gentity
ctype
synth
creation_date
cdate
remarks
remarks_en
cevent_types
id
descr
descr_en
short_descr
short_descr_en
constants_events
id
num
event_date
event_type
event_user
report
report_en
constants_depend
id
constant
num
ctypes
id
descr
descr_en
short_descr
short_descr_en
dstypes
id
descr
descr_en
short_descr
short_descr_en
hgeo_infos
id
descr
descr_en
short_descr
short_descr_en
water_uses
id
descr
descr_en
short_descr
short_descr_en
reservoirs
id
inflow_mean
inflow_max
inflow_min
runoff_mean
runoff_max
runoff_min
prule
volume_target
volume_initial
volume_max
volume_min
avoid_spill
borehole_springs
id
dstype
hgeo_info
water_use
water_user
land_use
has_pmeter
pmeter_type
pmeter_length
pmeter_diameter
borehole_depth
pipe_depth
water_depth
value_t
value_s
value_b
value_k
threshold_a
threshold_b
is_continuous
continuous_flow
continuous_stage
test_flow
test_stage
begin_works
end_works
drill_type
water_users
id
descr
descr_en
short_descr
short_descr_en
land_uses
id
descr
descr_en
short_descr
short_descr_en
pmeter_types
id
descr
descr_en
short_descr
short_descr_en
drill_types
id
descr
descr_en
short_descr
short_descr_en
cities
id
code
population
irrig_areas
id
tanks
id
for_irrigation
for_water_supply
max_capacity
max_surface
source
source_en
duct_length
duct_discharge
design_discharge
protection
protection_en
return_period
treatment_plants
id
city
capacity
peak_capacity
storage
overflow_stage
overflow_level
dams
id
height
crest_alt
crest_length
crest_width
face_slope_upstream
face_slope_downstream
volume
diversion_tunnel_length
diversion_tunnel_diameter
spillway_descr
spillway_descr_en
spillway_discharge
tqualities
id
descr
descr_en
short_descr
short_descr_en
timeseries_quality
id
num
start_date
end_date
whole_timeseries
tquality
remarks
remarks_en
notavail_reasons
id
descr
descr_en
short_descr
short_descr_en
timeseries_notavail
id
num
start_date
end_date
num_values
reason
remarks
remarks_en
vars
id
descr
descr_en
short_descr
short_descr_en
timeseries_depend
id
timeseries
num
timeseries_link
id
timeseries
num
timeseries_events
id
num
start_date
end_date
event_date
whole_timeseries
single_value
event_user
event_type
report
report_en
event_types
id
descr
descr_en
short_descr
short_descr_en
stat_categories
id
descr
descr_en
short_descr
short_descr_en
timeseries_stat
id
stat_category
subperiod
average
deviation
asymmetry
timeseries_stat_crosscorrel
id1
id2
stat_category
subperiod
crosscorrel
timeseries_stat_autocorrel
id1
stat_category
subperiod
lag
autocorrel
timeseries
id
name
name_en
gentity
instrument
ttype
synth
tproc
precision
unit
tstep
tstep_strict
var
start_date
end_date
std_month
std_day
std_hour
std_min
hydrological_year
offset
data_location
remarks
remarks_en
tsteps
id
descr
descr_en
short_descr
short_descr_en
ttypes
id
descr
descr_en
short_descr
short_descr_en
tprocs
id
descr
descr_en
short_descr
short_descr_en
data_locations
id
descr
descr_en
short_descr
short_descr_en
data_raw
id
tdate
tstatus
tvalue
data_proc
id
tdate
tstatus
tvalue
data_synth
id
tdate
tstatus
tvalue
data_crop_water_supply
id
start_date
end_date
crop
total_water
source
source_en
data_city_water_supply
id
start_date
end_date
population
serviced_population
hydrometers
total_water
supplied_water
consumed_water
total_income
total_expenses
crops
id
descr
descr_en
short_descr
short_descr_en
timeseries_tgroups
timeseries
tgroup
num
tgroups
id
name
creation_date
creator
remarks
gentities_basins
gentity
basin
basins
id
parent_basin
runoff
water_district
miet_code
water_districts
id
descr
short_descr
pump_generators
id
is_irrig
is_pump
pump_active
is_generator
generator_active
pump_num
generator_num
total_power
pump_discharge
pump_energy
generator_discharge
generator_energy
pump_type
pump_types
id
descr
descr_en
short_descr
short_descr_en
levent_types
id
descr
descr_en
short_descr
short_descr_en
severities
id
descr
descr_en
short_descr
short_descr_en
telemetry_logs
logger
ldate
severity
msg
loggers_events
id
num
event_date
event_type
event_user
report
report_en
loggers_sftypes
logger
num
rnum
stype
ftype
start_date
end_date
cstring
descr
descr_en
loggers
id
station
manufacturer
model
logger_active
manual
start_date
end_date
remarks
remarks_en
telemetry_interim
logger
idate
num
inum
iflag
ivalue
telemetry_stypes
id
descr
descr_en
telemetry_ftypes
id
descr
descr_en
telemetry_storage
stype
num
timeseries
telemetry_flags
ftype
flag
status_name
status_value
telemetry_temp
logger
rdate
tnum
tvalue
manuals
id
manual_name
manual_name_en
manual
manual_pathname
remarks
remarks_en
stations
id
service
stype
ssubtype
service_code
miet_code
hydroscope_code
wmo_code
other_code
station_active
telemetry
start_date
end_date
observer
observer_en
services
id
descr
descr_en
short_descr
short_descr_en
stypes
id
descr
descr_en
short_descr
short_descr_en
parent
instruments
id
station
itype
name
name_en
manufacturer
model
instrument_active
manual
start_date
end_date
remarks
remarks_en
itypes
id
descr
descr_en
short_descr
short_descr_en
instruments_events
id
num
event_date
event_type
event_user
report
report_en
stations_sgroups
station
sgroup
sgroups
id
name
creation_date
creator
remarks
ievent_types
id
descr
descr_en
short_descr
short_descr_en
itypes_vars
itype
var
ducts
id
outlet
duct_segment_types
id
descr
descr_en
short_descr
short_descr_en
duct_segments
id
duct_segment_type
discharge
start_position
end_position
start_discharge
end_discharge
duct_flow_type
duct_status
surface_slope
bottom_slope
leakage
measure_stage
measure_discharge
repers
repers_en
regulation
xsection
duct_flow_types
id
descr
descr_en
short_descr
short_descr_en
duct_status_types
id
descr
descr_en
short_descr
short_descr_en
xsections
id
xsection_type
closed
dimensions
drawing_type
drawing
xsection_types
id
descr
descr_en
short_descr
short_descr_en
Physical Data Model
Project: Modernisation of the supervision and management of the Athens water res system
Model : Hydro
Author: Nassos Papakostas & Antonios Christofides
Version5.2
04/10/2002