
function_pool
append_new_line(file_name: str, text_to_append: str): None
model_structure
config_physics
GRAVITY: 9.81
KINEMATIC_VISCOSITY: 10 ** -6
WATER_DENSITY: 10. ** 3
SED_DENSITY: 2650
UserDefs
CALIB_PAR_SET: dict
CALIB_PTS: numpy
CALIB_TARGETS: list
init_runs: int
init_run_sampling: str
IT_LIMIT: int
MC_SAMPLES: int
MC_SAMPLES_AL: int
AL_SAMPLES: int
AL_STRATEGY: str
score_method: str
SIM_DIR: str
BME: None
RE: None
al_BME: None
al_RE: None
assign_global_settings(all attributes): None
check_user_input(None): None
read_wb_range(read_range: str, sheet_name: str): pd.df
FullComplexityModel
model_dir: os.path
control_file: str
collocation_file: str
res_dir: str
update_model_controls(new_parameter_values: dict, simulation_id: int): None
run_simulation(None): None
telemac
config_telemac
TM_TEMPLATE_DIR: os.path
GAIA_PARAMETERS: pd.df
TM2D_PARAMETERS: pd.df
TM_TRANSLATOR: dict
AL_RANGE = "A14:B22"
MEASUREMENT_DATA_RANGE = "A23:B26"
PRIOR_SCA_RANGE = "A32:B35"
PRIOR_VEC_RANGE = "A38:B40"
PRIOR_REC_RANGE = "A43:B44"
ZONAL_PAR_RANGE = "A47:A49"
RECALC_PARS: dict
TelemacUserDefs
N_CPUS: int
TM_CAS: str
tm_xD: str
GAIA_CAS: str
assign_calib_ranges(direct_par_df: pd.df, vector_par_df: pd.df, recalc_par_df: pd.df): None
check_user_input(None): None
>> assign_global_settings
TelemacModel
calibration_parameters: dict
control_file: str
nproc: int
slf_input_file: str
tm_cas: str
tm_results_file: str
tm_xd: str
tm_xd_dict: dict
**gaia_cas: str
**gaia_results_file: str
create_cas_string(param_name: str, value: var.): None
get_variable_value(slf_file_name: str, calibration_par: str, specific_nodes: np.array, save_name: str): np.array
rename_selafin(old_name=".slf", new_name=".slf"): None
rewrite_steering_file(param_name: str, updated_string: str, steering_module="telemac"): int
>> run_simulation
>> update_model_controls