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-- TAUX D'ARGILE MOYEN SUR LES 30 PREMIERS CM (TAUX ARGILE de NOM_VAR dans strate_quant)
-----
--moyenne par UTS sur les 30 premiers cm
CREATE TABLE argile_quant AS
SELECT t1.id_uts AS id_uts, avg(t2.val_mod) AS argile_moy
FROM archeo_strate t1
INNER JOIN archeo_strate_quant t2
ON t1.id_uts=t2.id_uts AND t1.no_strate=t2.no_strate
WHERE t1.prof_appar_moy >= 0 AND t1.prof_appar_moy <= 30 AND t2.nom_var='TAUX ARGILE' AND
t2.val_mod IS NOT NULL
GROUP BY t1.id_uts
ORDER BY t1.id_uts ;

-----
-- TAUX DE LIMON MOYEN SUR LES 30 PREMIERS CM (TAUX LIMON de NOM_VAR dans strate_quant)
-----
--moyenne par UTS sur les 30 premiers cm
CREATE TABLE limon_quant AS
SELECT t1.id_uts AS id_uts, avg(t2.val_mod) AS limon_moy
FROM archeo_strate t1
INNER JOIN archeo_strate_quant t2
ON t1.id_uts=t2.id_uts AND t1.no_strate=t2.no_strate
WHERE t1.prof_appar_moy >= 0 AND t1.prof_appar_moy <= 30 AND t2.nom_var='TAUX LIMON' AND
t2.val_mod IS NOT NULL
GROUP BY t1.id_uts
ORDER BY t1.id_uts ;

-----
-- TAUX DE SABLE MOYEN SUR LES 30 PREMIERS CM (TAUX SABLE de NOM_VAR dans strate_quant)
-----
--moyenne par UTS sur les 30 premiers cm
CREATE TABLE sable_quant AS
SELECT t1.id_uts AS id_uts, avg(t2.val_mod) AS sable_moy
FROM archeo_strate t1
INNER JOIN archeo_strate_quant t2
ON t1.id_uts=t2.id_uts AND t1.no_strate=t2.no_strate
WHERE t1.prof_appar_moy >= 0 AND t1.prof_appar_moy <= 30 AND t2.nom_var='TAUX SABLE' AND
t2.val_mod IS NOT NULL
GROUP BY t1.id_uts
ORDER BY t1.id_uts ;

-- creation d'une nouvelle table en preparation du calcul de moyenne ponderee
CREATE TABLE texture_quant_2 AS
SELECT t2.id_ucs, t1.id_uts AS id_uts, t2.pourcent, arg_percent, lim_percent, sab_percent
FROM texture_quant t1
JOIN l_ucs_uts2 t2
ON t1.id_uts = t2.id_uts
ORDER BY t2.id_ucs ;

-- moyenne ponderee par UCS
SELECT t6.geometry, t6.no_etude, t6.id_etude, t6.id_ucs, t6.no_ucs, t5.arg_pond,
t5.lim_pond, t5.sab_pond
FROM RRP_sol_id_2154 t6
LEFT JOIN(
    SELECT id_ucs, SUM(arg_percent*pourcent)/SUM(pourcent) AS arg_pond,
    SUM(lim_percent*pourcent)/SUM(pourcent) AS lim_pond,
    SUM(sab_percent*pourcent)/SUM(pourcent) AS sab_pond
    FROM texture_quant_2
    GROUP BY id_ucs
) t5
ON t6.id_ucs = t5.id_ucs
ORDER BY t6.id_ucs ;

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