Les trames du territoire à travers OSM

- 02 - Première trame - les filaires

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Renvoi à cette fiche d'exemple - cas de Toulon - en mars 2026

Vérification de la présence des tags maxspped dans la version OSM Geofabrick
sudo docker exec -it alteris_postgis psql -U alteris_admin -d alteris_geo -c "SELECT count(*) FROM osm_raw.roads WHERE tags ? 'maxspeed';"

 91439
(1 row)

A/ Creer les filaires

c13028_laciotat.c13028_filaires

```
sudo docker exec -it alteris_postgis psql -U alteris_admin -d alteris_geo -c "
-- 1. Nettoyage
DROP TABLE IF EXISTS c13028_laciotat.c13028_filaires_v3 CASCADE;

-- 2. Création de la couche avec ta logique 'Toulon'
CREATE TABLE c13028_laciotat.c13028_filaires_v3 AS
WITH extraction AS (
    SELECT
        osm_id,
        name AS nom_voie,
        highway AS type_osm,
        tags->'lanes' AS nb_voies,
        tags->'maxspeed' AS vitesse_max,
        ST_Transform(way, 2154) AS geom_ligne
    FROM osm_raw.roads
    WHERE highway IS NOT NULL
    AND ST_Intersects(way, (SELECT ST_Union(way) FROM osm_raw.buildings WHERE name = 'La
Ciotat' AND admin_level = '8'))
```

```
),
classification AS (
    SELECT
        osm_id, nom_voie, type_osm, geom_ligne,
        CASE
            -- Transit Lourd (T1 & T2)
            WHEN type_osm IN ('motorway', 'motorway_link') THEN 'F_T1'
            WHEN type_osm IN ('trunk', 'trunk_link') THEN 'F_T2'

            -- Transit Urbain (T3) : La complexité que tu voulais garder
            WHEN type_osm IN ('primary', 'secondary')
                 AND (nb_voies IN ('3', '4', '5', '6', '7', '8')
                      OR vitesse_max IN ('70', '80', '90', '110', '130'))
            THEN 'F_T3'

            -- Desserte (D1, D2, D3)
            WHEN type_osm = 'primary' THEN 'F_D1'
            WHEN type_osm = 'secondary' THEN 'F_D2'
            WHEN type_osm IN ('pedestrian', 'living_street') THEN 'F_D3'

            -- Local (L1, L2, L3)
            WHEN type_osm IN ('tertiary', 'residential') THEN 'F_L1'
            WHEN type_osm = 'unclassified' THEN 'F_L2'
            ELSE 'F_L3'
        END as code_pattern
    FROM extraction
)
SELECT
    osm_id,
    nom_voie,
    code_pattern,
    ST_Buffer(geom_ligne,
        CASE
            WHEN code_pattern = 'F_T1' THEN 100
            WHEN code_pattern = 'F_T2' THEN 75
            WHEN code_pattern = 'F_T3' THEN 50
            WHEN code_pattern = 'F_D1' THEN 50
            WHEN code_pattern = 'F_D2' THEN 35
            WHEN code_pattern = 'F_D3' THEN 35
            WHEN code_pattern = 'F_L1' THEN 25
```

```
            ELSE 10
        END
    )::geometry(Polygon, 2154) as geom
FROM classification;

-- 3. Indexation spatiale
CREATE INDEX idx_c13028_filaires_v3_geom ON c13028_laciotat.c13028_filaires_v3 USING
GIST(geom);
"
```

```
sudo docker exec -it alteris_postgis psql -U alteris_admin -d alteris_geo -c "
SELECT code_pattern, count(*)
FROM c13028_laciotat.c13028_filaires_v3
GROUP BY code_pattern
ORDER BY code_pattern;"
```

```
 code_pattern | count
--------------+-------
 F_D1         |  96
 F_D2         | 179
 F_D3         |  67
 F_L1         | 1129
 F_L2         | 148
 F_L3         | 3302
 F_T1         |  40
 F_T3         |  42
(8 rows)
```