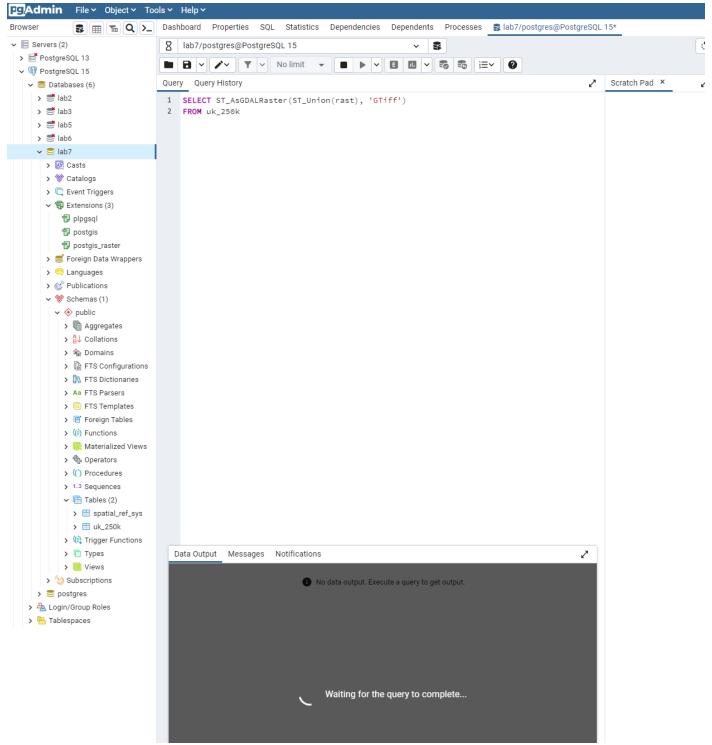
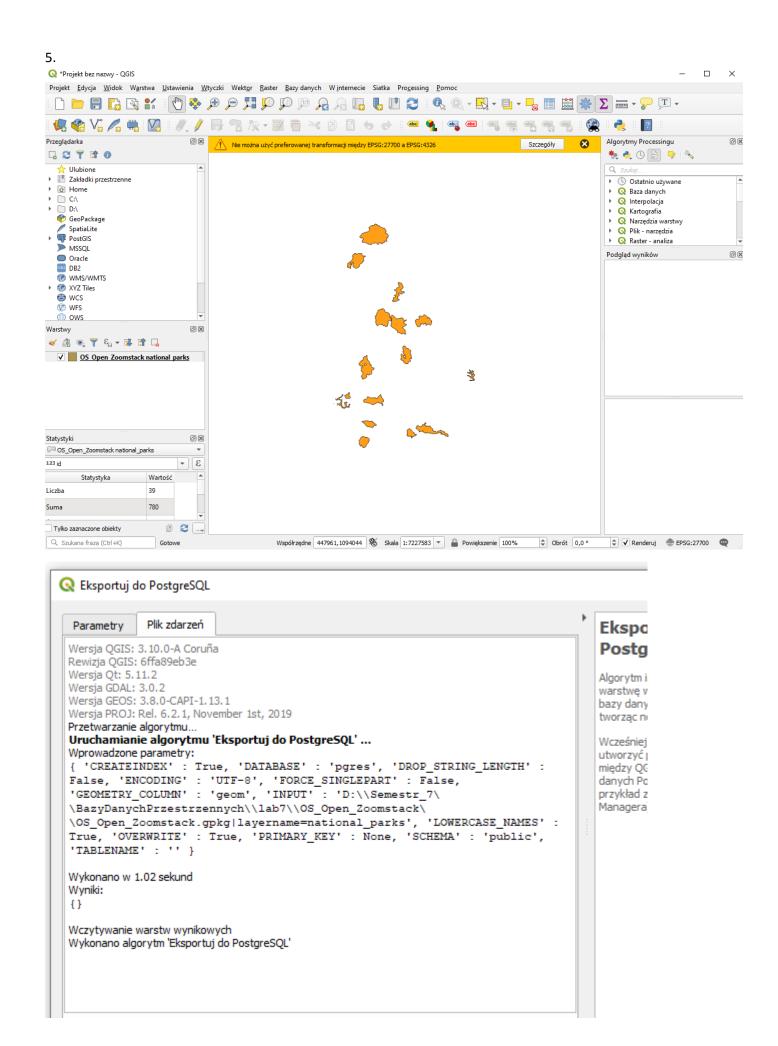
2. raster2pgsql.exe -s 3763 -N -32767 -t 100x100 -I -C -M -d D:/Semestr_7/BazyDanychPrzestrzennych/lab7/ras250_gb/ras250_gb/data/*.tif uk_250k | psql -d lab7 -h localhost -U postgres -p 5432

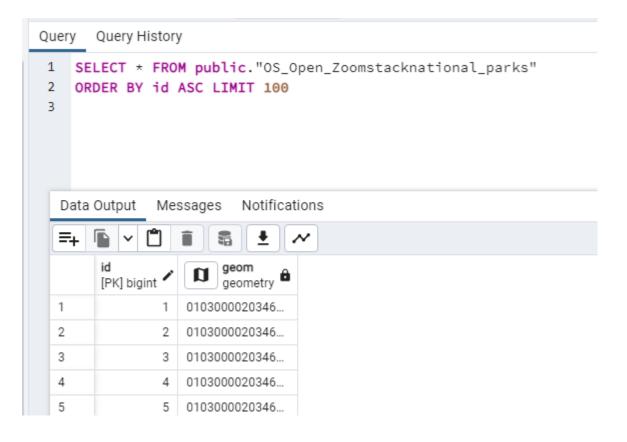
```
INSERT 0 1
INSERT 0 1
CREATE INDEX
ANALYZE
NOTICE: Adding SRID constraint
NOTICE: Adding scale-X constraint
NOTICE: Adding scale-Y constraint
NOTICE: Adding blocksize-X constraint
NOTICE: Adding blocksize-Y constraint
NOTICE: Adding alignment constraint
NOTICE: Adding number of bands constraint
NOTICE: Adding pixel type constraint
NOTICE: Adding nodata value constraint
NOTICE: Adding out-of-database constraint
NOTICE: Adding maximum extent constraint
 addrasterconstraints
(1 row)
COMMIT
VACUUM
C:\Program Files\PostgreSQL\15\bin>
```





Kręci się tak już prawię godzinę. Niestety to polecenie nie jest w stanie się wykonać, prawdopodobnie ze względu na brak pamięci





uuery Query History

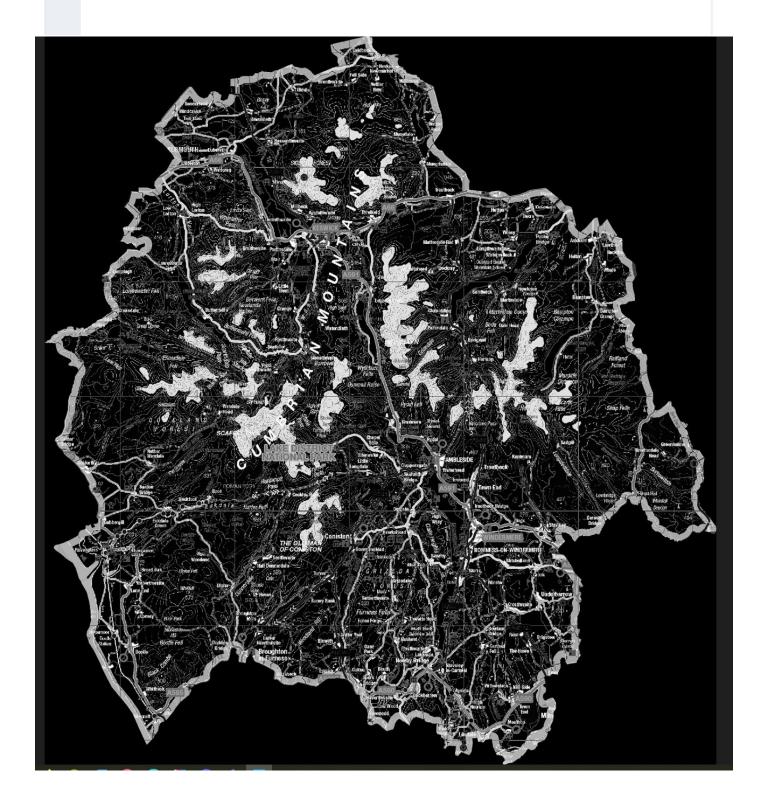
- 1 CREATE TABLE uk_lake_disctrict AS
- 2 SELECT ST_Union(ST_Clip(A.rast, B.geom, true))
- 3 FROM public.uk_250k AS A, public."OS_Open_Zoomstacknational_parks" AS B
- 4 WHERE B.id = 1 and ST_Intersects(B.geom, A.rast);

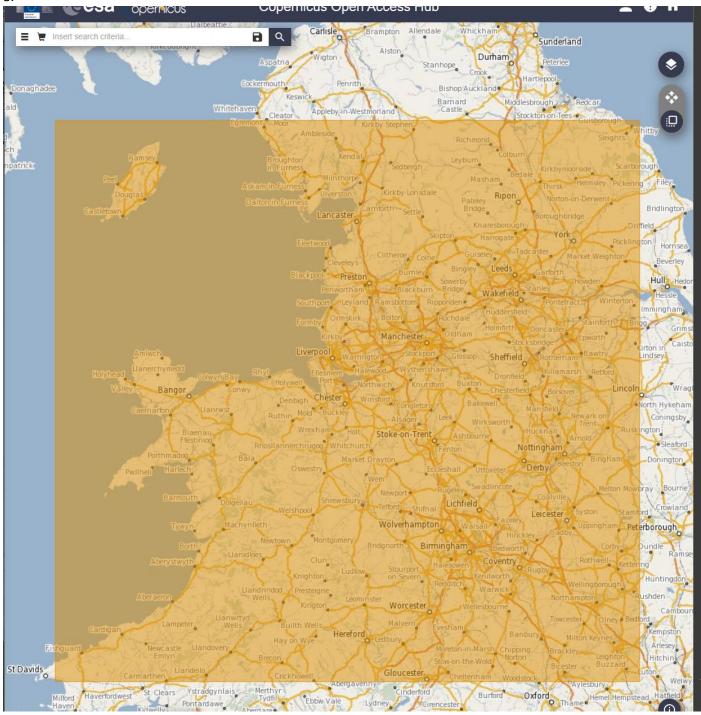
Data Output Messages Notifications

SELECT 1

Query returned successfully in 7 secs 278 msec.

```
query query mistory
1 CREATE TABLE tmp_out_clipped AS
    SELECT lo_from_bytea(0, ST_AsGDALRaster(ST_Union(st_union), 'GTiff', ARRAY['COMPRESS=
3
    ) AS loid
4
   FROM uk_lake_disctrict;
5
6
   SELECT lo_export(loid, 'D:\Semestr_7\BazyDanychPrzestrzennych\lab7\uk_lake_district.t
7
    FROM tmp_out_clipped;
8
9
   SELECT lo_unlink(loid)
10
   FROM tmp_out_clipped;
11
```





9. raster2pgsql.exe -s 4277 -N -32767 -t 100x100 -I -C -M -d D:/Semestr_7/BazyDanychPrzestrzennych/lab7/satelite.jp2 sentinel | psql -d lab7 -h localhost -U postgres -p 5432

10.

query query History

```
1 create or replace function ndvi(
value double precision [] [] [],
3 pos integer [][],
4 variadic userargs text []
5 )
6 returns double precision as
7
8
9 ▼ begin
10
11
    return (value [2][1][1] - value [1][1][1])/(value [2][1][1]+value
    [1][1][1]);
12
13
   end;
14
15
    language 'plpgsql' immutable cost 1000;
16 create table ndvi as
17
   with r as(
18
   select * from sentinel
19 )
20 select
21
   r.rid, st_mapalgebra(
22 r.rast, array [1, 4],
23
   'NDVI(double precision[], integer[], text[])'::regprocedure,
24
    '32BF'::text
25
   ) as rast
26 from r;
27
    select * from uk_ld_sentinel;
28 select updaterastersrid('sentinel', 'rast', 4277);
29
    select st_srid(rast) from sentinel;
30
31 create table uk_ld_sentinel as
32
   select a.rid, st_clip(a.rast, b.geom, true) as rast
33
   from ndvi as a, national_parks as b
    where b.id=1 and st_intersects(b.geom, a.rast);
34
35
```