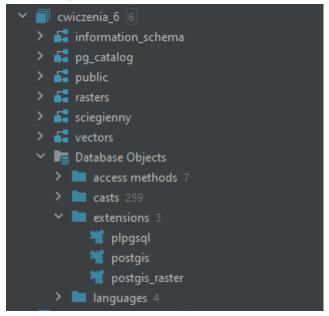
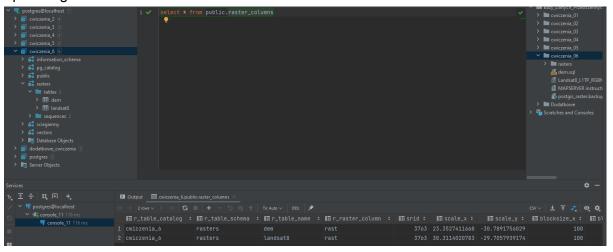
Baza Danych



Uploading raster



Adding alignment constraint Adding number of bands constraint Adding pixel type constraint Adding nodata value constraint Adding out-of-database constraint Adding maximum extent constraint

```
Przykład 1
  viczenia_6.public> CREATE TABLE sciegienny.intersects AS
                    SELECT a.rast, b.municipality
                    FROM rasters.dem AS a, vectors.porto_parishes AS b
                    WHERE ST_Intersects(a.rast, b.geom) AND b.municipality ilike 'porto'
 [2022-11-23 23:28:49] 25 rows affected in 15 ms

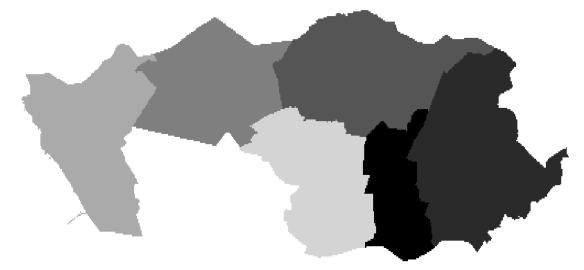
✓ I tables 1

       > III intersects
 :wiczenia_6.public> alter table sciegienny.intersects
                        add column rid SERIAL PRIMARY KEY
 [2022-11-23 23:30:17] completed in 11 ms
                     CREATE INDEX idx_intersects_rast_gist ON sciegienny.intersects
                     USING gist (ST_ConvexHull(rast))
 [2022-11-23 23:30:43] completed in 2 ms
 Adding SRID constraint
 Adding scale-X constraint
 Adding scale-Y constraint
 Adding blocksize-X constraint
 Adding blocksize-Y constraint
```

[2022-11-23 23:33:44] 1 row retrieved starting from 1 in 42 ms (execution: 23 ms, fetching: 19 ms)

Przykład 3

RASTROWANIE



WEKTORYZOWANIE

Przykład 1

Przykład 2

ANALIZA RASTRÓW

Przykład 1

Przykład 2

Przykład 5

```
## stats

1 (2616,278385,106.41628440366972,11.622628762211638,87,143)

2 (6463,816615,126.35231316725978,14.0438229209133,94,158)

3 (682,95581,140.14809384164224,12.078072186605759,103,158)

4 (216,31874,147.5648148148148,4.262830628315728,137,158)
```

Przykład 6

Przykład 7





,	· · · · · · · · · · · · · · · · · · ·	
	■ name ÷	■ st_value ÷
1	Aldeia São Miguel	96
2	Alpendurada e Matos	145
3	Amarante	71
4	Baião	581
5	Cabeceiras de Basto	<null></null>
6	Castelo de Paiva	284
7	Celorico de Basto	227
8	Cinfães	405
9	Espinho	14
10	Fafe	338
11	Fajozes	53
12	Felgueiras	320
13	Gondomar	123
14	Guifões	69
15	Guimarães	197
16	Lousada	289
17	Maia	111
18	Marco de Canaveses	193
19	Matosinhos	29
-		

ALGEBRA MAP

Przykład 1

```
SELECT a.rid,ST_Clip(a.rast, b.geom,true) AS rast
                    FROM rasters.landsat8 AS a, vectors.porto_parishes AS b
                   WHERE b.municipality ilike 'porto' and ST_Intersects(b.geom,a.rast)
                   r.rid,ST_MapAlgebra(
[2022-11-24 11:37:07] 29 rows affected in 111 ms
  iczenia_6.public> CREATE INDEX idx_porto_ndvi_rast_gist ON sciegienny.porto_ndvi
                    USING gist (ST_ConvexHull(rast))
[2022-11-24 11:37:38] completed in 3 ms
Adding SRID constraint
Adding scale-X constraint
Adding scale-Y constraint
Adding blocksize-Y constraint
Adding alignment constraint
Adding number of bands constraint
Adding pixel type constraint
Adding nodata value constraint
Adding out-of-database constraint
Adding maximum extent constraint
[2022-11-24 11:38:03] 1 row retrieved starting from 1 in 29 ms (execution: 15 ms, fetching: 14 ms)
```

EKSPORT DANYCH

Przykład 1