

## 1. Ładowanie danych rastrowych

## 1.1 Public.raster\_columns

Data OutputMessagesNotifications

	r_table_catalog name	r_table_schema name	r_table_name name	r_raster_column name	srid integer	scale_x double precision	scale_y double precision	blocksize_x integer	blocksize_y integer	same_alignment boolean	regular_block boolean
1	postgis_raster_ut	rasters	dem	rast	3763	23.3527411668	-30.7891756029	100	100	true	false
	postgis_raster_ut	rasters	landsat8	rast	3763	30.3114020783	-29.7057939174	128	128	true	false

Total rows: 2 of 2Query complete 00:00:00.303Ln 1, Col 29

## 2. Tworzenie rastrów z istniejących rastrów i interakcja z wektorami

## 2.1 ST Intersects

[illegible]

## 2.2 ST Union

[illegible]

## 2.3 ST\_Clip

[illegible]

### 3. Tworzenie rastrów z wektorów (rastrowanie)

### 3.1 ST\_AsRaster

[illegible]

### 3.2 ST\_Union



### 3.3 ST\_Tile

[illegible]











#### 4. Konwertowanie rastrów na wektory (wektoryzowanie)

## 4.1 ST Intersection

Data Output	Messages	Notifications
<div> <div>+</div> <div>📄</div> <div>▼</div> <div>🗑️</div> <div>🔍</div> <div>📥</div> <div>📈</div> </div>		
rid	integer	geom geometry
1	221	0103000020B30E0000010000005000000086F60B09B56E3C0E32C703B809504410AB086D0325AE3C0E32C703B809504417958A8359559E3C017B7D10094950441086F60B09B56E3C0B0B5B9...
2	221	0103000020B30E00000100000050000003EF15EB9D152E3C0E32C703B80950441086F60B09B56E3C0E32C703B80950441086F60B09B56E3C0B0B5B943A89504413EF15EB9D152E3C01EAC65...
3	221	0103000020B30E0000010000004000000BF61697A576DE3C0DAE4F895929404410EDB00034EE36C30DAE4F89592940441BF61697A576DE3C0187DD4649B940441BF61697A576DE3C0DAE4F8...
4	221	0103000020B30E0000010000006000000F5E367838D69E3C0DAE4F89592940441BF61697A576DE3C0DAE4F89592940441BF61697A576DE3C0187DD4649B940441401361C3656BE3C004560E...
5	221	0103000020B30E00000100000050000002C66668CC365E3C0DAE4F89592940441F5E367838D69E3C0DAE4F89592940441F5E367838D69E3C03BD5CB34BC9404412C66668CC365E3C0D605C2...
Total rows: 1000 of 6629    Query complete 00:00:04.005		

## 5. Analiza rastrów

## 5.1 ST\_SummaryStats

Data Output		Messages	Notifications
<div>          </div>			
	<b>stats</b> summarystats 		
1	(2616,278385,106.41628440366972,11.622628762211638,87,14...		
2	(682,95581,140.14809384164224,12.078072186605759,103,158)		
3	(216,31874,147.5648148148148,4.262830628315728,137,158)		
4	(6463,816615,126.35231316725978,14.0438229209133,94,158)		

## 5.2 ST\_Value

	name character varying (48)	st_value double precision
1	Aldeia São Miguel	96
2	Alpendurada e Matos	145
3	Amarante	71
4	Baião	581
5	Cabeceiras de Basto	[null]
6	Castelo de Paços	284

### 5.3 ST\_TPI

Data Output

Messages

Notifications

rast

raster

1

01000001006172BF3E4D5A374080318D6907CA3EC044951356C7ABE3C0474F11FE054A044100

## 6. Algebra map

## 6.1 Wyrażenie Algebra Map

[illegible]

## 6.2 Funkcja zwrotna

[illegible]

## 7. Eksport danych

### 7.1 ST\_AsTiff

Data Output			Messages	Notifications
	st_astiff	bytea		
1		[binary dat...		

### 7.2 ST\_AsGDALRaster

Data Output			Messages	Notifications
	st_asgdalraster	bytea		
1		[binary data]		

### 7.3 Zapisywanie danych na dysku za pomocą dużego obiektu (large object, lo)

Data Output			Messages	Notifications
	lo_unlink	integer		
1		1		

### 7.4 Użycie Gdal

```
Input file size is 384, 179
0...10...20...30...40...50...60...70...80...90...100 - done.
```