

Definiciones de proyecciones frecuentes en diferentes notaciones comunes

CRTM05, PROJ4

```
+proj=tmerc +lat_0=0 +lon_0=-84 +k=0.9999 +x_0=500000 +y_0=0 +ellps=WGS84 +units=m  
+no_defs CRTM05 PROJ4
```

Lambert Norte, PROJ4

```
+proj=lcc +lat_1=10.466666666666667 +lat_0=10.466666666666667  
+lon_0=-84.33333333333333 +k_0=0.99995696 +x_0=500000 +y_0=271820.522 +ellps=clrk66  
+towgs84=213.11,9.37,-74.95,0,0,0,0 +units=m +no_defs <>Lambert PROJ4
```

CRTM05, WKT o PRJ (Incluye Definición de "authority EPSG:5367, para ser identificado correctamente por diferentes SIG)

```
PROJCS["CR05 / CRTM05", GEOGCS["CR05", DATUM["Costa Rica 2005",  
SPHEROID["WGS 84", 6378137.0, 298.257223563, AUTHORITY["EPSG","7030"]],  
TOWGS84[0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0], AUTHORITY["EPSG","1065"]],  
PRIMEM["Greenwich", 0.0, AUTHORITY["EPSG","8901"]], UNIT["degree",  
0.017453292519943295], AXIS["Geodetic longitude", EAST], AXIS["Geodetic latitude",  
NORTH], AUTHORITY["EPSG","5365"]], PROJECTION["Transverse_Mercator",  
AUTHORITY["EPSG","9807"]], PARAMETER["central_meridian", -84.0],  
PARAMETER["latitude_of_origin", 0.0], PARAMETER["scale_factor", 0.9999],  
PARAMETER["false_easting", 500000.0], PARAMETER["false_northing", 0.0], UNIT["m",  
1.0], AXIS["Easting", EAST], AXIS["Northing", NORTH], AUTHORITY["EPSG","5367"]]
```

Instrucciones para PostGIS

Insertar proyección CRTM05

```
INSERT into spatial_ref_sys (srid, auth_name, auth_srid, proj4text, srttext) values ( 5367, 'epsg',  
5367, '+proj=tmerc +lat_0=0 +lon_0=-84 +k=0.9999 +x_0=500000 +y_0=0 +ellps=WGS84  
+units=m +no_defs ', 'PROJCS["Proyeccion CRTM05", GEOGCS["GCS_WGS_1984",  
DATUM["D_WGS_1984", SPHEROID["WGS_1984",6378137.0,298.257223563]],  
PRIMEM["Greenwich",0.0], UNIT["Degree",0.0174532925199433]],  
PROJECTION["Transverse_Mercator"], PARAMETER["False_Easting",500000.0],
```

Utilidades para Geoservicios

Escrito por Administrator

Martes, 07 de Abril de 2015 09:32 - Actualizado Martes, 07 de Abril de 2015 13:32

```
PARAMETER["False_Northing",0.0], PARAMETER["Central_Meridian",-84.0],  
PARAMETER["Scale_Factor",0.9999], PARAMETER["Latitude_Of_Origin",0.0],  
UNIT["Meter",1.0]]);
```

Insertar proyección Lambert norte

```
INSERT into spatial_ref_sys (srid, auth_name, auth_srid, proj4text, srttext) values ( 5456, 'epsg',  
5456, ", 'PROJCS["Lambert_Conformal_Conic", GEOGCS["Geographic Coordinate System",  
DATUM["OCO",SPHEROID["Clarke 1866",6378206.4,294.9786982139006]],  
PRIMEM["Greenwich",0],UNIT["degree",0.0174532925199433]],  
PROJECTION["Lambert_Conformal_Conic"], PARAMETER["scale_factor",0.99995696],  
PARAMETER["standard_parallel_1",9.933333333333334],  
PARAMETER["standard_parallel_2",11],  
PARAMETER["central_meridian",-84.33333333333333],  
PARAMETER["latitude_of_origin",10.466666666666667], PARAMETER["false_easting",500000],  
PARAMETER["false_northing",271820.522], UNIT["Meter",1]]);
```

Asignar proyección CRTM05 a una tabla con un código incorrecto o indefinido de proyección (*la tabla debe estar en CRTM05 aunque su código no haya sido correctamente definido*)

```
ALTER TABLE tabla ALTER COLUMN geom TYPE  
geometry(POINT/LINESTRING/POLYGON, 5367) USING ST_SetSRID(geom,5367);
```