

Configuration using WAPP +
Cartaro (dev) + GeoServer

Configure site



- ✓ Choose profile
- ✓ Choose language
- ✓ Verify requirements
- ✓ Set up database
- ✓ Install profile
- **Configure site**

Finished

SITE INFORMATION

Site name *

WAPP - Cartaro Dev - Geoserver

Site e-mail address *

a@b.com

Automated e-mails, such as registration information, will be sent from this address. Use an address ending in your site's domain to help prevent these e-mails from being flagged as spam.

SITE MAINTENANCE ACCOUNT

Username *

admin

Spaces are allowed; punctuation is not allowed except for periods, hyphens, and underscores.

E-mail address *

a@b.com

Password *

.....

Password strength: **Fair**

Confirm password *

.....

Passwords match: yes

CARTARO SETTINGS

GeoServer URL *

☐ Support GeoServer Drupal authentication

Allow GeoServer to access the permissions and roles configured in Cartaro. This setting requires the geoserver-sec-drupal module to be installed in GeoServer.

GeoServer Workspace *

PostGIS Version

A [PostGIS](#) enabled database is required; version 1.5 is strongly recommended.

☒ Cartaro demo

Setup example data and configuration.

UPDATE NOTIFICATIONS

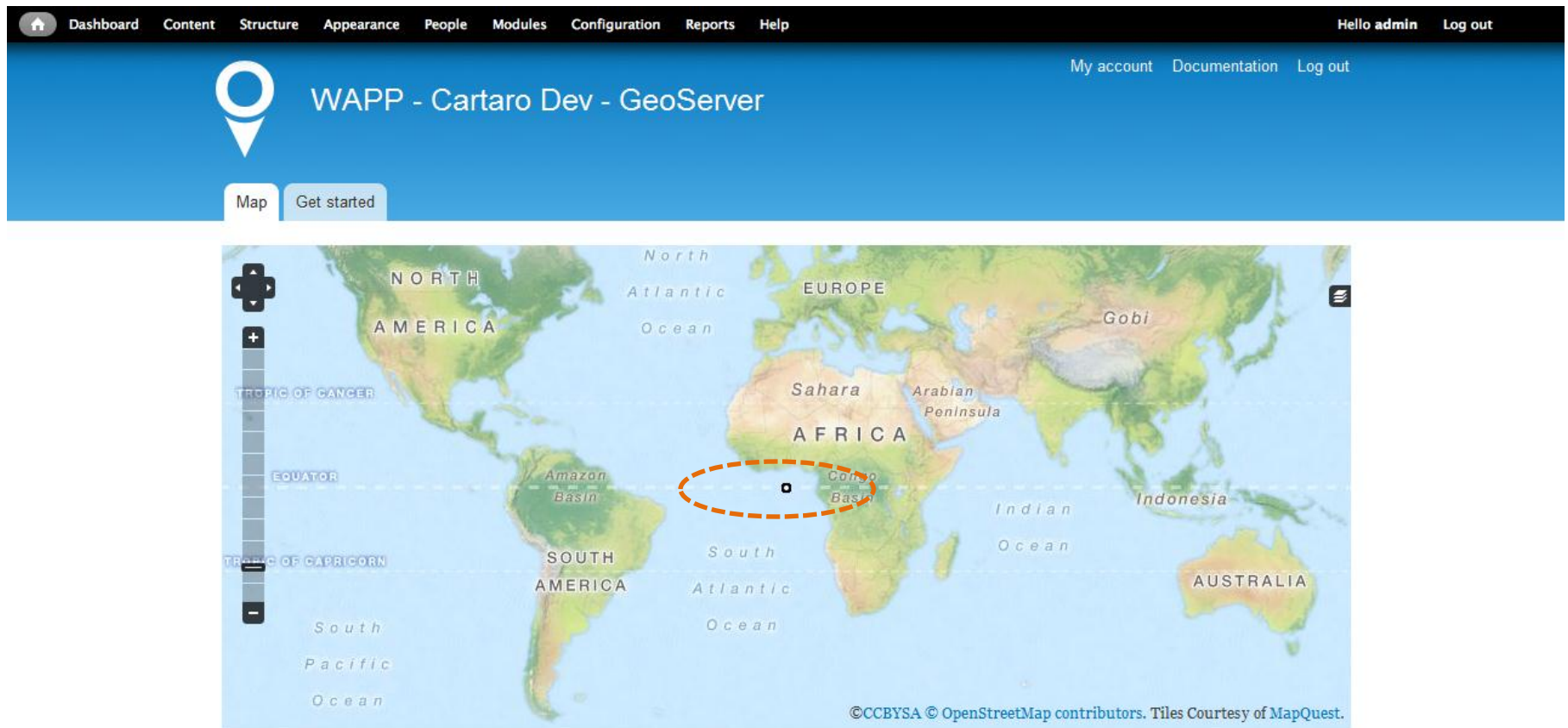
☒ Check for updates automatically

☒ Receive e-mail notifications

The system will notify you when updates and important security releases are available for installed components. Anonymous information about your site is sent to [Drupal.org](https://drupal.org).

Save and continue

The default front map's Capitals layer appear as a single dot (but they're actually a collection of dots/points)



I need to verify the content of Capitals layer using QGIS 1.8

Create a new WFS connection

Connection details

Name: WAPP - Cartaro Dev - GeoServer

URL: http://localhost/geoserver/cartaro_dev/ows

If the service requires basic authentication, enter a user name and optional password

User name: admin

Password:

☐ Ignore GetMap URI reported in capabilities

☐ Ignore GetFeatureInfo URI reported in capabilities

OK Cancel

Add WFS Layer from a Server

Server connections

WAPP - Cartaro Dev - GeoServer

Connect New Edit Delete Load Save

Title	Name	Abstract	Cache Features	Filter
Capitals	cartaro_dev:capi...		☒	

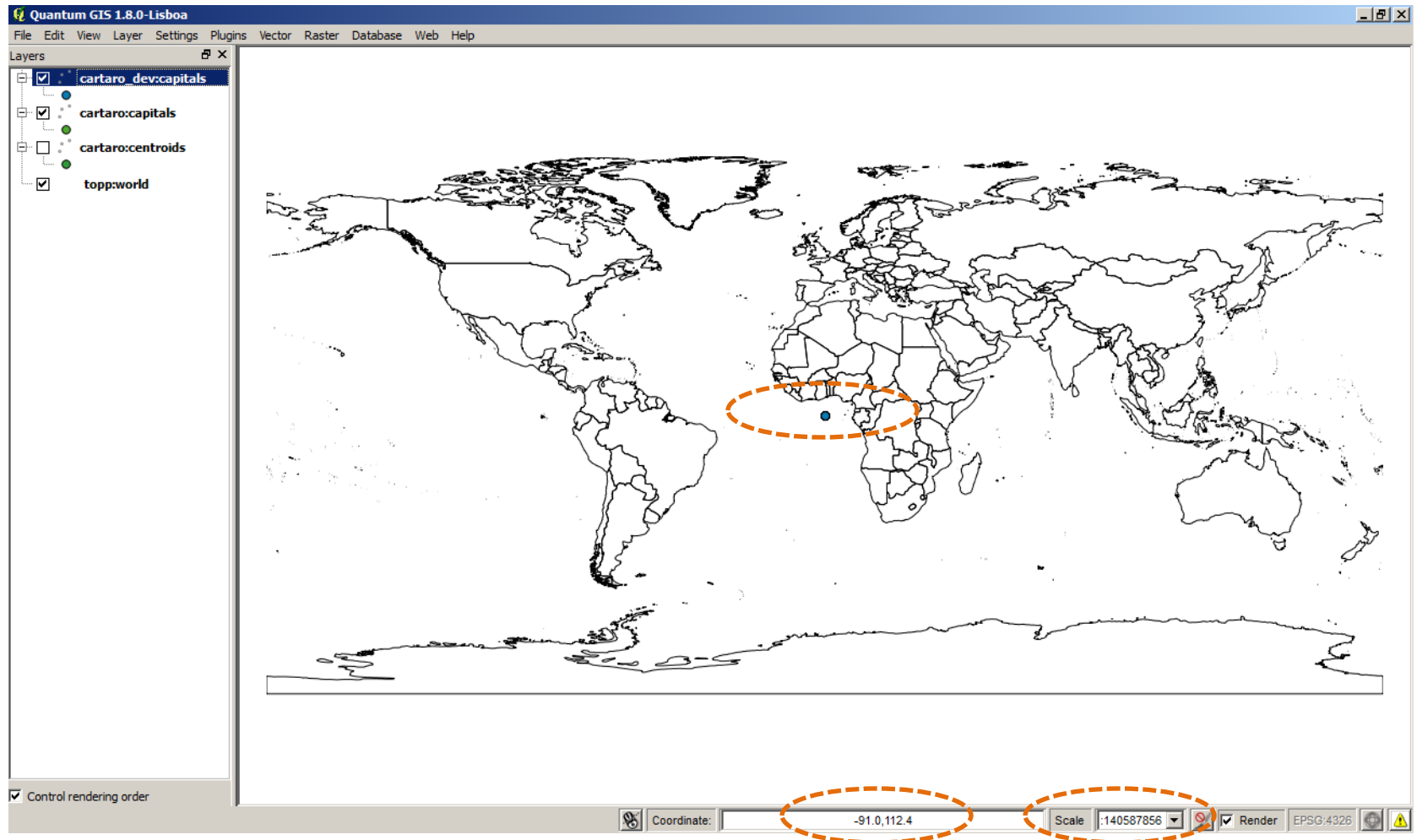
Coordinate reference system

EPSG:4326

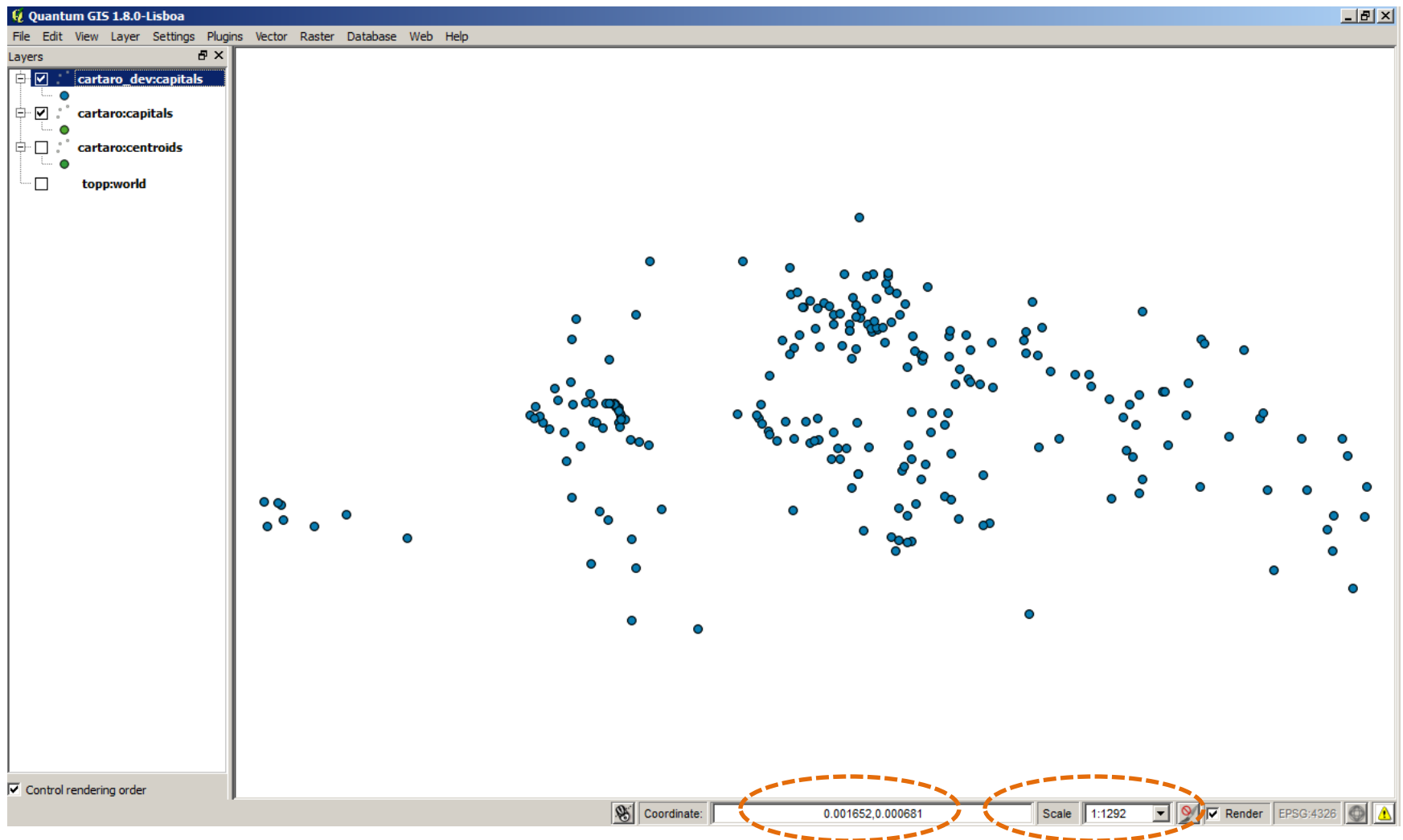
Change ...

Close Apply Help

The Capitals layer in QGIS using the *topp:world* base map (<http://demo.opengeo.org/geoserver/ows>).
Note the scale and the coordinates



The Capitals layer in QGIS
when zoomed to layer extent.
Note the change in scale and coordinates.



The Capitals layer in GeoServer's OpenLayers preview.

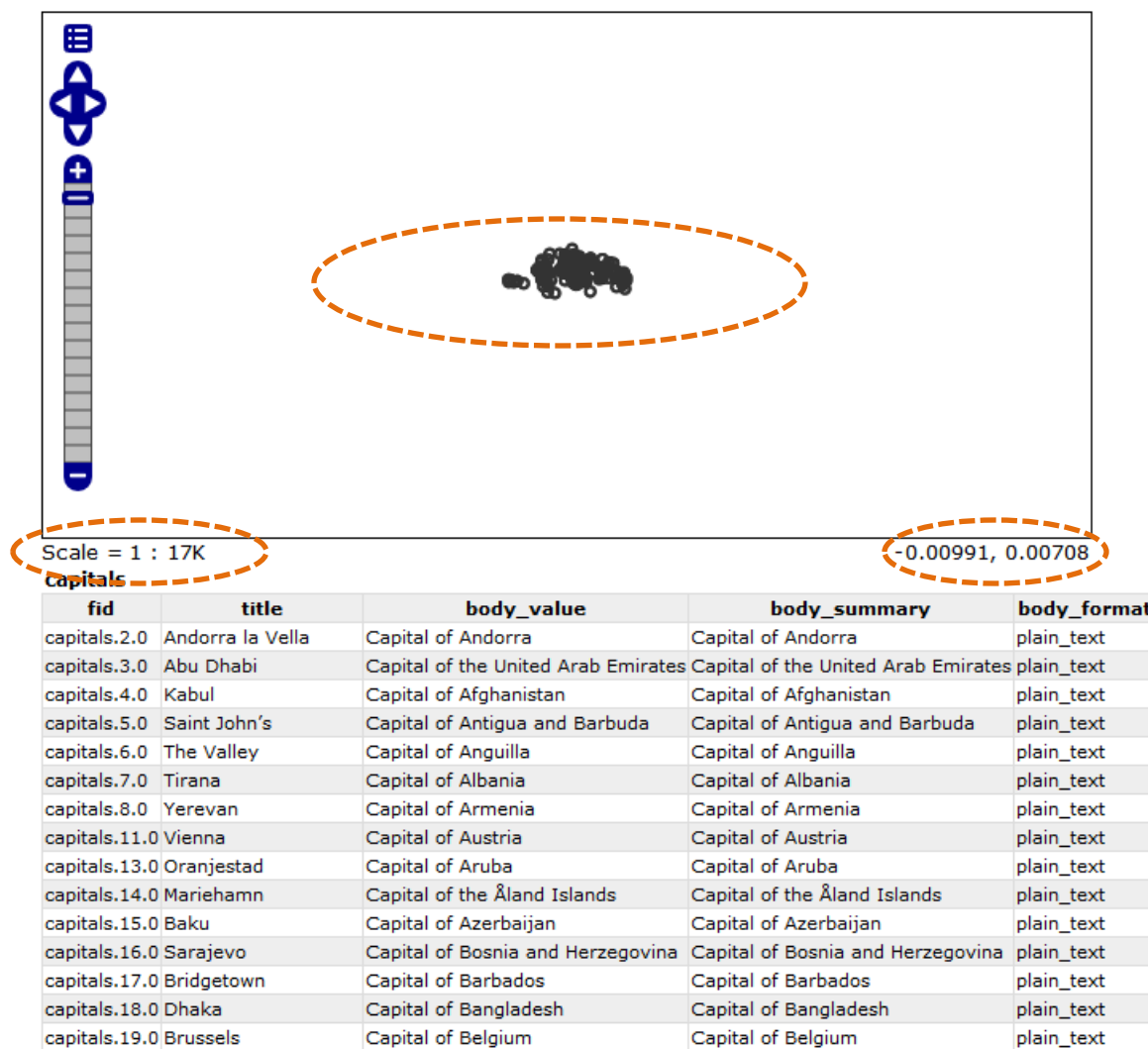
Note the scale, the coordinates, & the attributes when clicking the single point

Scale = 1 : 279M

111.09375, -45.00000

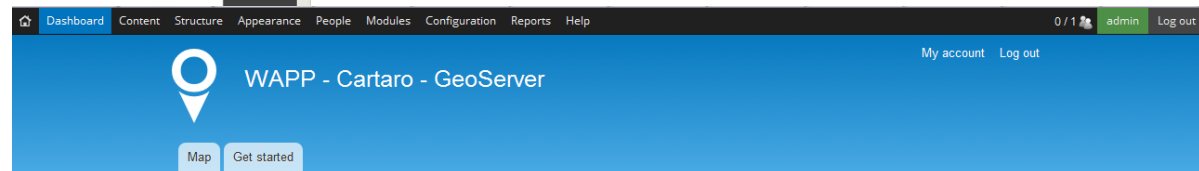
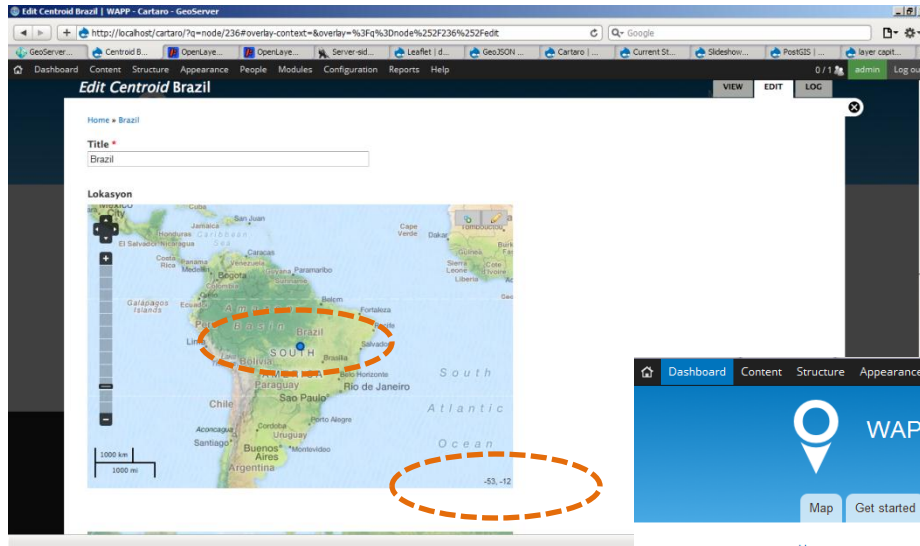
fid	title	body_value	body_summary	body_format
capitals.2.0	Andorra la Vella	Capital of Andorra	Capital of Andorra	plain_text
capitals.3.0	Abu Dhabi	Capital of the United Arab Emirates	Capital of the United Arab Emirates	plain_text
capitals.4.0	Kabul	Capital of Afghanistan	Capital of Afghanistan	plain_text
capitals.5.0	Saint John's	Capital of Antigua and Barbuda	Capital of Antigua and Barbuda	plain_text
capitals.6.0	The Valley	Capital of Anguilla	Capital of Anguilla	plain_text
capitals.7.0	Tirana	Capital of Albania	Capital of Albania	plain_text
capitals.8.0	Yerevan	Capital of Armenia	Capital of Armenia	plain_text
capitals.11.0	Vienna	Capital of Austria	Capital of Austria	plain_text
capitals.13.0	Oranjestad	Capital of Aruba	Capital of Aruba	plain_text
capitals.14.0	Mariehamn	Capital of the Åland Islands	Capital of the Åland Islands	plain_text
capitals.15.0	Baku	Capital of Azerbaijan	Capital of Azerbaijan	plain_text
capitals.16.0	Sarajevo	Capital of Bosnia and Herzegovina	Capital of Bosnia and Herzegovina	plain_text
capitals.17.0	Bridgetown	Capital of Barbados	Capital of Barbados	plain_text
capitals.18.0	Dhaka	Capital of Bangladesh	Capital of Bangladesh	plain_text
capitals.19.0	Brussels	Capital of Belgium	Capital of Belgium	plain_text

The Capitals layer when zoomed-in.
Note the change in scale & the coordinates.



Sample content type with Point Geospatial Data field.

Note the input coordinates & the unreasonable WKT output.



Brazil

View Edit Log

Submitted by admin on 01/01/2012 15:25

Lokasyon:

GEOMETRYCOLLECTION(POINT(-0.000483195361423157 -0.000100417290874386))

DOCUMENTATION

Cartaro Documentation

The same scenario but using the Geofield module.
Note that the WKT output is now reasonable.

Edit Centroid Brazil WAPP - Cartaro - GeoServer VIEW EDIT LOG

Home » Brazil

Title *
Brazil



Map of South America showing Brazil highlighted by a dashed orange circle. The map includes labels for various countries and cities, and a scale bar indicating 1000 km and 1000 mi.

WAPP - Cartaro - GeoServer

Map Get started

Home

Brazil

View Edit Log

Submitted by admin on Sat, 10/27/2012 - 19:25

Geofield Location:
POINT (-47.988280435727 -14.944784627254)

Use the icons to select what type of feature to draw. Each map can contain one simple feature. Pa

Sample content type with Polygon Geospatial Data field (PostGIS) again.

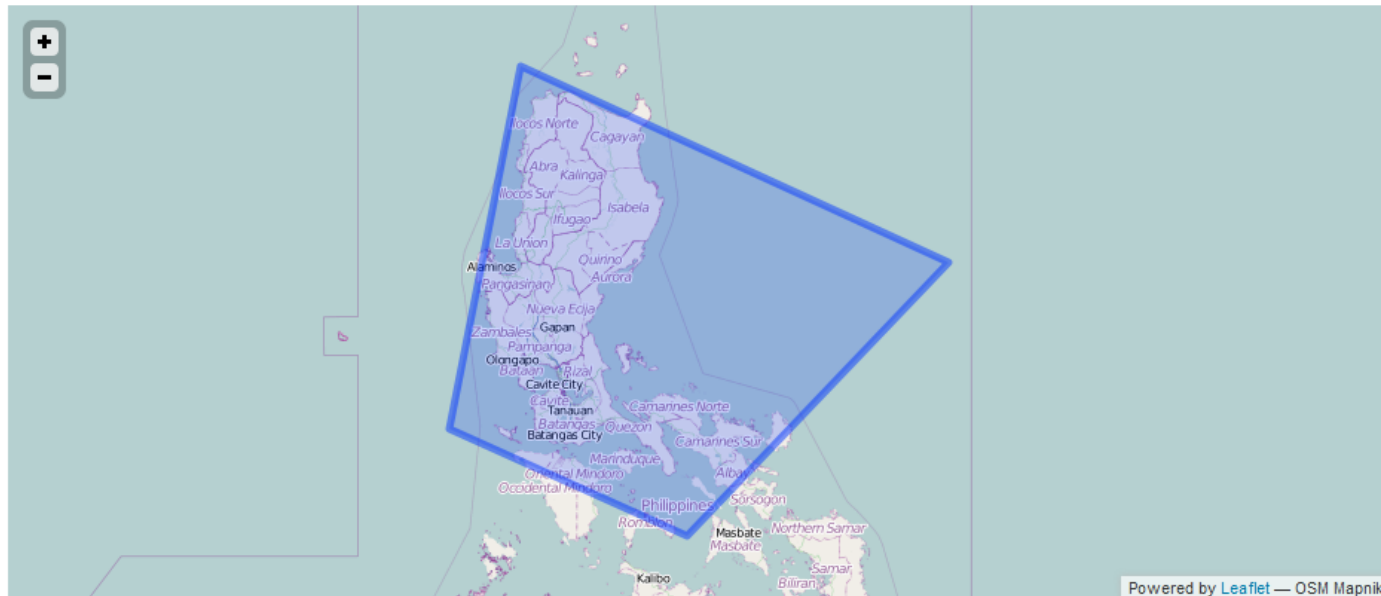
Note the input Geofield Leaflet map & the (unreasonable) PostGIS WKT output.

Luzon

View Edit Log

Submitted by admin on Sat, 10/27/2012 - 21:01

Bounds:



PostGIS bounds:

```
GEOMETRYCOLLECTION(POLYGON(((0.00108008374906353 0.000173474949454182,0.00105797677174356  
0.000129668936437283,0.00111008607542642 0.000135776336324657,0.00112113956408645  
0.000168997517100298,0.0010990325867664 0.000166005149872616,0.00108008374906353 0.000173474949454182))))
```

BottomLine:

The expected behavior must be the same with that of the Geofield module: the PostGIS layer(s) must be overlayed to base maps seamlessly, but that's not happening because they are scaled differently or has different map units.

I don't know if I'm missing something or there's something wrong with my configuration. 😊