AIDDATA

Republic of Colombia

Spatial Literature Review

The GADM and GAUL datasets contain polygons with department (ADM-1) and municipality (ADM-2) divisions. The GAUL dataset is the best option to use with the GeoNames dataset because it includes all current provinces and districts.
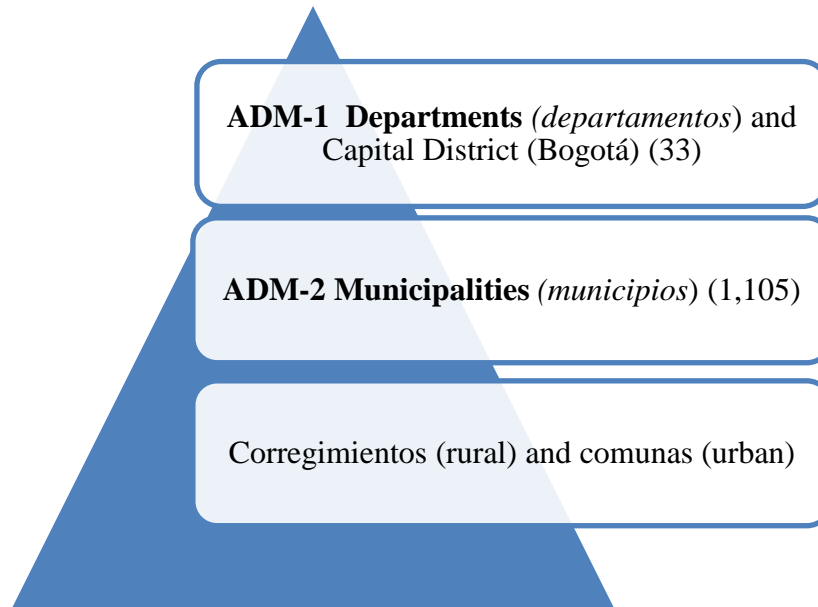
Administrative Divisions in Colombia

Figure 1. Administrative divisions in Colombia. ADM-1 and ADM-2 classifications are represented in the GAUL and GADM datasets.[1]

History of Administrative Boundary Changes

"Distrito Capital de Bogotá" as the new official name of the capital district, replacing "Distrito Capital de Santa Fe de Bogotá" , Acaricuara and Villa Fátima corregimientos are now corregimientos de jurisdicción municipal, as opposed to corregimientos departamentales. 2000-07-09: Belén de Bajirá municipality split from Mutatá in Chocó department.[2]

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[1] *Perfiles Económicos por Departamentos*. (2014, April 11). Retrieved from

http://www.mincit.gov.co/publicaciones.php?id=16724

[2] *Colombia Departments*. (2011, June 20). Retrieved June 17, 2014, from

http://www.statoids.com/uco.html

Comparison of GeoNames Centroids with Available Polygon Data

Departments

Departments composed 32 of the ADM-1 regions and the capital city, Bogota. Both the GADM and GAUL datasets do not include the capital, Bogota as an ADM-1. The GAUL dataset incorrectly includes Buenaventura as an ADM-1 location. Buenadventura is a city and municipality in the Valle del Cauca department[3]

Municipalities (ADM-2)

The departments are divided into municipios (municipalities), corregimientos departamentales (departmental wards), and four distritos.

Statoids	1,105
GeoNames	878
GADM	1,065
GAUL	1,087
Wiki	1,119

Statoids reconizes 1,105 ADM-2 regions. GAUL is only missing 18 ADM-2 regions compared to the 40 that GADM is missing. Therefore GAUL is the best shapefile and GeoNames locations must be added before this data can be coded.

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[3] *Buenaventura, Valle del Cauca - Wikipedia, the free encyclopedia*. (2014, May 19).

Retrieved June 18, 2014, from http://en.wikipedia.org/wiki/Buenaventura,_Valle_del_Cauca
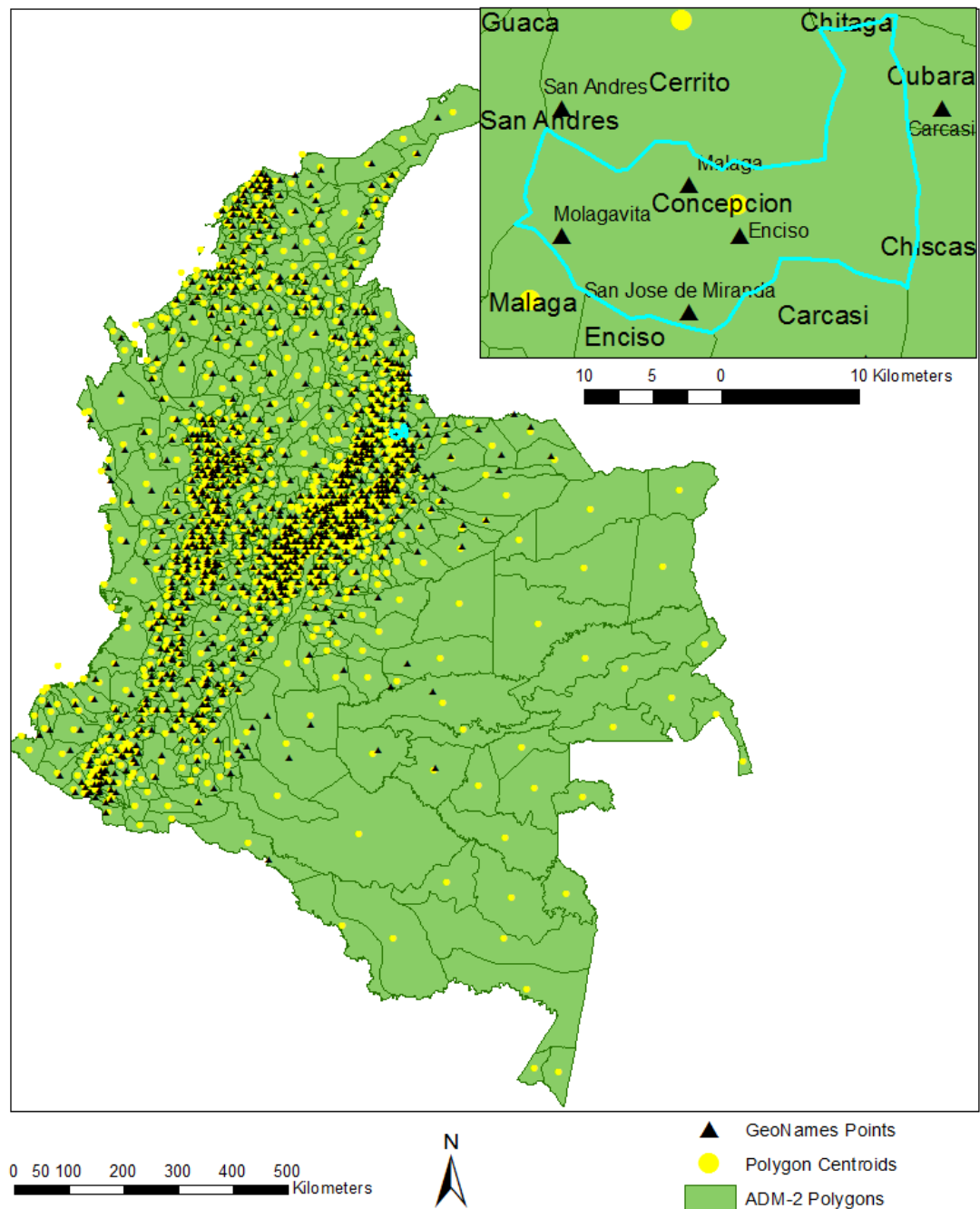
Figure 1. Because GeoNames is missing over 100 ADM-2s according to Statoids, GAUL is the best shapefile to use when geocoding because additional GeoNames will be edited and created based on the GAUL shapefile. This image shows the inaccuracy and absence of GeoNames points in Colombia previous to adding or changing GeoNames points.