

# AidData GeoQuery Request Documentation

## Report Info

Request Name	Request 05-01-18 12:48
Request Id	5ae89a5bc15e00da98ff0f87
Email	sgoodman@aiddata.org
Generated on	2018-05-01 12:49:07 (EDT)
Download Link	<a href="http://geo.aiddata.org/query/#!/status/5ae89a5bc15e00da98ff0f87">geo.aiddata.org/query/#!/status/5ae89a5bc15e00da98ff0f87</a>

## Processing Timeline

submitted	2018-05-01 12:48:27 (EDT)
prepared	2018-05-01 12:49:05 (EDT)
processed	2018-05-01 12:49:05 (EDT)
completed	2018-05-01 12:49:07 (EDT)

## Citation

Please cite the following in any and all applications of the extracted datasets:

*Goodman, S., BenYishay, A., Runfola, D., 2016. Overview of the geo Framework. AidData. Available online at [geo.aiddata.org](http://geo.aiddata.org). DOI: 10.13140/RG.2.2.28363.59686*

## Contents of Request Zip

- request documentation (this pdf document)
- a comma separated value (CSV) file containing your data
- JSON file containing your request parameters
- "Introducing the AidData Geo Framework" paper (pdf)

**For additional information, usage tips, guides and more please visit [geo.aiddata.org](http://geo.aiddata.org).**

**To get in touch, please contact us via [geo@aiddata.org](mailto:geo@aiddata.org).**

## Meta Information

### Boundary

Title	Mexico ADM1 Boundary - GADM 2.8
Name	mex_adm1_gadm28
Version	2.8
Description	GADM Boundary File for ADM1 (State) in Mexico.
Details	(no additional details)
Bounding Box	[[[-118.36888885498041, 32.718040466308594], [-118.36888885498041, 14.532917022705135], [-86.71013641357422, 14.532917022705135], [-86.71013641357422, 32.718040466308594], [-118.36888885498041, 32.718040466308594]]]
Date Added	2016-10-19
Date Updated	2017-09-27
Source Name	Global Administrative Areas (GADM)
Source Link	<a href="http://www.gadm.org">http://www.gadm.org</a>
Citation	Global Administrative Areas (GADM) <a href="http://www.gadm.org">http://www.gadm.org</a> .

### Selection 1 - Global Environment Facility Geocoded Aid Data v1.1.0

Title	Global Environment Facility Geocoded Aid Data v1.1.0
Name	globalenvironmentfacility_geocodedresearchrelease_level1_v1_1_0
Version	1.1.0
Column Names	globalenvironmentfacility_geocodedresearchrelease_level1_v1_1_0. 2f7c253. sum
<b>Filters</b>	hash: 2f7c253fcc0384e61fe0ce406c467553e93f5e72
ad_sector_names	All
Description	Aid data from Global Environment Facility , geocoded and published by AidData. Covers projects from 1994 to 2014. Version 1.1.0.
Details	(no additional details)
Bounding Box	[[[-175.23502, 69.08333], [-175.23502, -54.5], [179.14478, -54.5], [179.14478, 69.08333], [-175.23502, 69.08333]]]
Date Added	2018-01-29

Date Updated	2018-01-29
Source Name	Global Environment Facility
Source Link	Not Available
Citation	AidData. 2018. GlobalEnvironmentFacility_GeocodedResearchRelease_Level1_v1.1.0 geocoded dataset. Williamsburg, VA and Washington, DC: AidData. Accessed on [date]. <a href="http://aiddata.org/research-datasets">http://aiddata.org/research-datasets</a> .
Download Link	<a href="http://aiddata.org/datasets">http://aiddata.org/datasets</a>

### Selection 2 - Normalized Difference Vegetation Index - NDVI (LTDR v4 - AVHRR)

Title	Normalized Difference Vegetation Index - NDVI (LTDR v4 - AVHRR)
Name	ltdr_avhrr_ndvi_v4_yearly
Version	4
Column Names	Format: "ltdr_avhrr_ndvi_v4_yearly.<temporal>.<method>" for all combinations of <temporal> and <method> which can be found in the "Temporal Selection" and "Extract Types Selected" fields below (1 columns total)
Temporal Selection	2010
Extract Types Selected	mean (average NDVI value per unit of analysis)
Description	Yearly value for Normalized Difference Vegetation Index (NDVI). Created using the NASA Long Term Data Record (v4) AVHRR data.
Details	Created by aggregating daily data to monthly by taking the maximum value, then averaging the monthly data to get yearly values. All negative NDVI values were truncated to 0 and saturated pixels were adjusted to the max of the normal NDVI range (10000).
Bounding Box	[[[-180.0, 90.0], [-180.0, -90.0], [180.0, -90.0], [180.0, 90.0], [-180.0, 90.0]]]
Date Added	2017-07-25
Date Updated	2017-07-25
Source Name	NASA/Goddard Space Flight Center
Source Link	<a href="http://ltdr.nascom.nasa.gov/ltdr/ltdr.html">http://ltdr.nascom.nasa.gov/ltdr/ltdr.html</a>

Citation	Pedely JA, Devadiga S, Masuoka E et al. (2007) Generating a Long-term Land Data Record from the AVHRR and MODIS Instruments. Proceedings of IGARRS 2007, pp. 1021–1025. Institute of Electrical and Electronics Engineers, NY, USA.
Variable Description	positive NDVI values 0:10000
Resolution	0.05
Factor	10000.0

## Interpreting CSV Column Names

Each CSV will contain a column labeled "asdf\_id" which has values for each feature that are unique (within that boundary dataset), one or more columns for your extract data, followed by the original source attributes for the boundary file (e.g., from GADM)

The standard format for extract data column names is a three part string delimited by periods (.)

**<dataset>.<filter>.<method>**

where

<dataset> is the name of the dataset which was extracted

<filter> describes how the dataset was filtered. This is usually a temporal value (e.g., YYYY format for year such as "1999", "none" for temporally invariant data, or a unique hash describing more complex filters, such as for aid datasets)

<method> is the extract method used to aggregate dataset values to boundary features (e.g., "mean", "sum")

### Notes - Aid data extracts

The <filter> component of aid data extracts is a unique hash that corresponds to the filter combination used to generate that particular aid data extract (e.g., donor, sector, year, status). For each aid data extract you request, you will see three columns in the CSV that have the same <dataset> and <filter> sections of the column name with the <methods> of the three being different.

These three <method> values are:

- "sum" is the total aid for each feature within the boundary based on the distribution of aid used when building the aid data
- "potential" is the maximum aid that could have been allocated to each feature regardless of the distribution of aid used
- "reliability" is a ratio of sum:potential representing a simplistic measure of how accurate the distribution and aggregation of aid was relative to the boundary features used during the extract process

### Notes - Categorical extracts

Data extracted using the categorical method will have multiple columns with the same <dataset> and <filter> where the <method> for each is "categorical\_<category>".

For a simple landcover dataset this might look like:

- landcover.2000.categorical\_water
- landcover.2000.categorical\_forest
- landcover.2000.categorical\_desert

## Usage Notes

- If you attempt to merge geo(query) results with vector data (e.g., shapefiles) downloaded from GADM, the GADM data may not always contain a unique id field to merge on. In these cases, please feel free to contact us and we can provide you with a modified file that contains a unique field for merging ("asdf\_id" field, found in all result csvs).

## Notes About Aid Datasets

- When requesting aid data using a very specific filter (usually resulting in only a single project match), the location count shown in geo(query) may be inaccurate. This can result in aid filters which appear valid while building your request, but result in no aid data in your results csv. This is due to a slight reduction in the accuracy of location counts for the web page in order to make the responses fast enough for user interaction.
- The year filter for aid data is based on project start and end dates (determined by earliest and latest transactions). Because projects are represented by year ranges, multiple aid data selections for individual years may contain duplicate aid. This will result in an inflated total if you sum the aid from each individual year (compared to a single selection for all years). Limited source information on individual or even yearly transactions for a project prevent us from offering more granular temporal aid values for projects.
- All aid data selections result in commitment values, regardless of whether you filter by commitment values or disbursement values (or both). This is due to the notably better project coverage of commitments vs disbursements (e.g., World Bank aid dataset has 99% commitment coverage vs ~75% for disbursements).

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## Acknowledgements

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