Geostore API

The Geostore API provides third-party developers and data analysts the capability to integrate with the Geostore by using the Application Programming Interface (API). This document outlines its specifications.

Base URL: http://openroads-geostore.appspot.com

List Projects

GET /api/v1/data?type=PROJECT

List Projects

Parameters:

- n A number. If provided, will return the number of projects indicated. Defaults to 50. Maximum of 100. *optional
- type Required. Must be set to PROJECT
- project_code Filter the results by the given Project Code *optional
- program Filter the results by the given Program. Options are PRDP, GAA, BUB, and TRIP.
 *optional
- has_kml Set to 1 to only return results that have a KML Track. *optional
- has_image Set to 1 to only return results that have an Image. *optional
- has_classification Set to 1 to only return results that has an Image that was already geoprocessed. *optional
- csv Set to 1 to return results as a CSV export. *optional

Example:

http://openroads-geostore.appspot.com/api/v1/data?type=PROJECT&program=PRDP&n=1

```
linear meter for fmr w/ bridge sp: "",
                actual_physical_progress: "0",
                endorsed_for_issuance_of_nol_1: "",
                actual disbursement cumulative-lgu equity: "",
                total_number_of_beneficiaries__ip_&_non-ip: "0",
                under fs / ded preparation: "",
                female beneficiaries ip: "",
                household check: "",
                geofile count: "0",
                days elapsed rpab approval to nol 1: "0",
                3rd_tranche_-_total_: "",
                1st tranche -actual date of release: "",
                implementation construction - march 2015: "",
                5th_tranche_-actual_date_of_release: "",
                with nol 1 - check: "",
                implementation construction - february 2015: "",
                implementation construction - may 2015: "",
                subproject stage category: "Pipelined Subprojects",
                2nd tranche -lgu equity: "",
                commodity__in_hectares_within_the_influence_area: "",
                4th tranche - lgu equity : "",
                total beneficiaries non-ip: "",
                sp_cost_-_lgu_equity: "20,400,000.00",
                implementation construction - june 2015: "",
                commodity check: "",
                implementation construction - december 2015: "",
                subproject stage - corrected: "Proposed",
approved by rpab for submission to the pso for review / endorsement to the npco for
                sp cost - gop: "20,400,000.00",
                implementation construction - november 2015: "",
                implementation construction - april 2015: "",
                5th_tranche_-_lgu_equity_: "",
                subproject_type_-_corrected: "Farm to Market Road (FMR)",
                municipality / city: "Capas",
                quantity_check: "1",
                implementation construction - july 2015: "",
                5th tranche -target date of release: "",
                3rd_tranche_-gop_amount: "",
                actual disbursement cumulative-gop amount: "",
                subproject stage: "Under FS / DED Preparation",
                region: "Region 3",
                4th_tranche_-target_date of release: "",
                1st_tranche_-target_date_of_release: "",
                5th tranche -lp amount: "",
                2nd tranche -gop amount: "",
                unit measure: "Kilometer",
                %_of_total_cost_released_against_the_total_project_cost: "",
```

click to view / download the geotag files: "DOWNLOAD",

```
1st tranche -lgu equity: "",
    2nd tranche -target date of release: "",
    district: "3",
    4th tranche -gop amount: "",
    days elapsed preparation to rpab approval: "0",
    3rd_tranche_-lp_amount: "",
    implementation construction - september 2015: "",
    proponent_lgu: "Province",
    1st tranche -total: "",
    male beneficiaries non-ip: "",
    days_elapsed_validation_to_preparation: "0",
    sp cost/kilometer: "11,724,137.93",
    target_check: "0",
    implementation check: "",
    sp cost - total: "204,000,000.00",
    3rd_tranche_-_lgu_equity_: "",
    5th tranche -gop amount: "",
    male beneficiaries ip: "",
    travel_time_in_road_influence_area_min_/_km_for_fmr_subproject: "",
    longitude: "",
    duplicate id: "1",
    implementation construction - october 2015: "",
    length progress: "",
    total beneficiaries ip: "",
    female beneficiaries non-ip: "",
    psgc mun: "",
    3rd tranche -target date of release: "",
    subproject type: "Farm to Market Road (FMR)",
    implementation_construction_- august_2015: "",
    implementation construction - january 2015: "",
    5th tranche - total : "",
    with_nol_1: "",
    with nol 2: "",
    bridge check: "",
    4th_tranche_-_total_: "",
    geofile check: "0",
    no of updates: "",
    actual disbursement cumulative-total: "",
    1st_tranche_-gop_amount: "",
    actual_disbursement_cumulative-lp_amount: "",
    catchment_areas_of_fmr_subprojects barangays: "",
    quantity: "17.4"
project type: "",
created timestamp: 1460235882,
```

```
updated timestamp: 1460427137,
        data is imported: "1",
        title: "Improvement of Sto. Rosario - Cutcut 2nd FMR with Bridge",
        agency: "DA",
        created timestamp utc: 1460207082,
        program: "PRDP",
        scope: "Upgrading /Expansion",
        type: "PROJECT",
        province: "Tarlac",
        updated: "Apr 12, 2016 02:12:17 AM",
        old id: "PRDP-IB-R003-TAR-004-000-000-2015",
        user: {
            org_name: "",
            last name: "Admin",
            name: "Geostore Admin",
            designation: null,
            email md5: "aa0ca81521db8c5357a6a72be0330465",
            org_id: "",
            region: "",
            address: {
                province: "Metro Manila",
                city/municipality: "City of Manila",
                street address: "Philippines"
            operating unit: "",
            agency: "",
            email: "geostore@sym.ph",
            department: "",
            mobile number: "+63 (123) 456-7890",
            id: "5629499534213120"
        created: "Apr 09, 2016 09:04:42 PM",
        has image: "0",
        permission: "PUBLIC"
method: "GET"
```

List Subprojects

GET /api/v1/data?type=SUBPROJECT

List Subprojects

Parameters:

- n A number. If provided, will return the number of Subprojects indicated. Defaults to 50. Maximum of 100. *optional
- type Required. Must be set to SUBPROJECT
- parent_code The Project Code of the parent project.
- subproject_code Filter the results by the given Subproject Code *optional
- **program** Filter the results by the given Program. Options are PRDP, GAA, BUB, and TRIP. *optional
- csv Set to 1 to return results as a CSV export. *optional

Example:

http://openroads-geostore.appspot.com/api/v1/data?type=SUBPROJECT&parent_code=R007-BOH-L OB-001-2014&n=1

```
code: 200,
type: "List of geostore saved data.",
response: "OK",
cursor: "CisSJWoNc35jb2FnZW9zdG9yZXIUCxIHQVBJRGF0YRiAgICg4JioCAwYACAA",
data: [
        status: "Complete",
        province: "Bohol",
        updated: "Dec 15, 2015 01:17:40 AM",
        code: "LOB-VIL-001",
        title: "Villadolid",
        type: "SUBPROJECT",
        agency: "DA",
        municipality: "Loboc",
        created timestamp utc: 1450113460,
        created: "Dec 15, 2015 01:17:40 AM",
        program: "PRDP",
        updated timestamp: 1450142260,
        user: {
            org_name: "",
            first_name: "RU Jan",
            middle name: "Regular User",
            name: "RU Jan Gazo",
            designation: null,
            email md5: "df2e7e6026c26d8b50256d4babd8b56b",
            org id: "",
            region: "",
            address: {
                province: "Cebu",
                city/municipality: "Cebu City",
            operating unit: "",
            agency: "",
```

List Datasets

GET /api/v1/data?type=DATASET

List Datasets. A dataset is a container of KML Files, Images, and other uploaded files or documents.

Parameters:

- n A number. If provided, will return the number of Datasets indicated. Defaults to 50. Maximum of 100. *optional
- type Required. Must be set to DATASET
- parent_code Filter the results by the given Project Code or Subproject Code. *optional
- **program** Filter the results by the given Program. Options are PRDP, GAA, BUB, and TRIP. *optional
- csv Set to 1 to return results as a CSV export. *optional

Example:

http://openroads-geostore.appspot.com/api/v1/data?type=DATASET&parent_code=FMRDP-ROO6-IL O-LEG-001-2014

```
updated: "Nov 09, 2015 09:37:51 PM",
        code: "0DDC41CE-8D88-4722-ABD8-005527259569",
        title: "Concreting of Brgy. Calaboa FMR",
        agency: "DPWH",
        created timestamp utc: 1447076271,
        created: "Nov 09, 2015 09:37:51 PM",
        program: "GAA",
        user: {
            org_name: "",
            last name: "Admin",
            name: "Geostore Admin",
            designation: null,
            email md5: "aa0ca81521db8c5357a6a72be0330465",
            region: "",
            address: {
                province: "Cebu",
                street address: "Cebu City, Philippines"
            operating unit: "",
            agency: "",
            email: "geostore@sym.ph",
            department: "",
            mobile number: "",
            id: "5394598109118464"
        created timestamp: 1447105071,
        permission: "PUBLIC",
        updated timestamp utc: 1447076271,
        type: "DATASET",
        id: "4543571545817088",
        parent code: "FMRDP-ROO6-ILO-LEG-001-2014"
method: "GET"
```

List Images

GET /api/v1/data?type=IMAGE

List Images

Parameters:

• n - A number. If provided, will return the number of Images indicated. Defaults to 50. Maximum of 100. *optional

- type Required. Must be set to IMAGE
- parent_code The Dataset Code of the parent dataset.
- project_code Filter the results by the given Project Code *optional
- subproject_code Filter the results by the given Subproject Code *optional
- **program** Filter the results by the given Program. Options are PRDP, GAA, BUB, and TRIP. *optional
- csv Set to 1 to return results as a CSV export. *optional

Example:

http://openroads-geostore.appspot.com/api/v1/data?type=IMAGE&parent_code=1591CEF7-C44A-4 420-80CF-F4E932D42FEB&n=2

```
code: 200,
type: "List of geostore saved data.",
response: "OK",
cursor: "CisSJWoNc35jb2FnZW9zdG9yZXIUCxIHQVBJRGF0YRiAgICA55-ACAwYACAA",
        user: {
           org_name: "",
            last_name: "Admin",
            middle name: "",
            name: "Geostore Admin",
            designation: null,
            email_md5: "aa0ca81521db8c5357a6a72be0330465",
            org id: "",
            region: "",
            address: {
               province: "Cebu",
                city/municipality: "Cebu City",
                street address: "Cebu City, Philippines"
            operating unit: "",
            agency: "",
            email: "geostore@sym.ph",
            department: "",
            mobile number: "",
            salutation: "",
            id: "5394598109118464"
        updated timestamp: 1447281202,
        updated: "Nov 11, 2015 10:33:22 PM",
        created timestamp utc: 1447252402,
        created: "Nov 11, 2015 10:33:22 PM",
        latlng: "10.9896874,123.9570261",
        agency: "DA",
        updated timestamp utc: 1447252402,
```

```
project code: "PRDP-IB-R007-CEB-001-000-000-2014",
            created timestamp: 1447281202,
            program: "PRDP",
            original file url:
"http://storage.googleapis.com/or-geostore/uploads/8KPlUVmIcc6ip4Bw2mdvzGgLDTsF4m4m
YwFpJBZSkpGLKqESsrFULmPDiieBw3Qa4Wip80srnUXoLTGBaetF0o3NDtNOzAI6wpNtZixY9QLfsUBVa1b
fbFAoeli6CEme/PRPD IMG 11262014 023526%20PM.jpg",
            image: {
                file url:
"http://storage.googleapis.com/or-geostore/uploads/8KPlUVmIcc6ip4Bw2mdvzGgLDTsF4m4m
YwFpJBZSkpGLKqESsrFULmPDiieBw3Qa4Wip80srnUXoLTGBaetF0o3NDtNOzAI6wpNtZixY9QLfsUBVa1b
fbFAoe1i6CEme/PRPD IMG 11262014 023526%20PM.jpg",
                serving url:
"http://lh3.googleusercontent.com/ik7CZ1AT42EZMOSnzKdSDsnWv821WQ0BuNmL LowTid7HqCEr
Js9OngLHXA3XUM-X-PqRJBjlyvv1rSyZpFl1-M"
            date: "2012:01:01 04:23:00",
            permission: "PUBLIC",
            type: "IMAGE",
            id: "4504117439365120",
            parent code: "1591CEF7-C44A-4420-80CF-F4E932D42FEB"
            user: {
                org name: "",
                last name: "Admin",
                name: "Geostore Admin",
                designation: null,
                email md5: "aa0ca81521db8c5357a6a72be0330465",
                org_id: "",
                region: "",
                address: {
                    province: "Cebu",
                    city/municipality: "Cebu City",
                    street address: "Cebu City, Philippines"
                operating unit: "",
                agency: "",
                email: "geostore@sym.ph",
                office order number: "NONE",
                department: "",
                mobile number: "",
                salutation: "",
                id: "5394598109118464"
            updated timestamp: 1447281696,
            updated: "Nov 11, 2015 10:41:36 PM",
            created timestamp utc: 1447252896,
            created: "Nov 11, 2015 10:41:36 PM",
            latlng: "10.9817519,123.9595025",
            agency: "DA",
            updated timestamp utc: 1447252896,
            project code: "PRDP-IB-R007-CEB-001-000-000-2014",
            created timestamp: 1447281696,
```

```
program: "PRDP",
           original file url:
"http://storage.googleapis.com/or-geostore/uploads/uCCkh3tq6qxqLaEOztLQWs6RuDouscou
pqQWgn4XpwztnaJt9TGkHocbRZr0p96JfTI8BI8V4KAqVsooffx0GJThaYZ1p4arp8tZSw2z8e3dHg0TweD
WqqPtUq0ILPrQ/PRPD IMG 10232014 021115%20PM.jpg",
            image: {
                file url:
"http://storage.googleapis.com/or-geostore/uploads/uCCkh3tq6qxqLaEOztLQWs6RuDouscou
pqQWgn4XpwztnaJt9TGkHocbRZr0p96JfTI8BI8V4KAqVsooffx0GJThaYZ1p4arp8tZSw2z8e3dHg0TweD
WqqPtUq0ILPrQ/PRPD_IMG_10232014_021115%20PM.jpg",
                serving url:
"http://lh3.googleusercontent.com/aydNeLQXXGkbJep5mc5Ekc31JweRnt4hon6nyXVzHng-agVvu
aU8Q-6bjlGHWlDn6qwYmAxAHBrTRbFb2djH9pE"
            permission: "PUBLIC",
            type: "IMAGE",
            id: "4504692428111872",
            parent code: "1591CEF7-C44A-4420-80CF-F4E932D42FEB"
   method: "GET"
```

List KML

GET /api/v1/data?type=KML

List KMLs

Parameters:

- n A number. If provided, will return the number of KMLs indicated. Defaults to 50. Maximum of 100. *optional
- type Required. Must be set to KML
- parent_code The Dataset Code of the parent dataset.
- project_code Filter the results by the given Project Code *optional
- subproject_code Filter the results by the given Subproject Code *optional
- **program** Filter the results by the given Program. Options are PRDP, GAA, BUB, and TRIP. *optional
- csv Set to 1 to return results as a CSV export. *optional

Example:

http://openroads-geostore.appspot.com/api/v1/data?type=IMAGE&parent_code=1591CEF7-C44A-4 420-80CF-F4E932D42FEB&n=2

```
code: 200,
    type: "List of geostore saved data.",
    response: "OK",
    cursor: "CisSJWoNc35jb2FnZW9zdG9yZXIUCxIHQVBJRGF0YRiAgICgzLWDCAwYACAA",
    data: [
            updated timestamp: 1450070179,
            updated: "Dec 14, 2015 05:16:19 AM",
"http://storage.googleapis.com/or-geostore/uploads/rnv6hLsMBiQe0BzXMiExgJ6u2NWCAXVs
c3y23izADH0CVzyCaqvJAapIwyVcRUe2v6i3VM3xSEm06VEm3iqKtZzhYKdwTUt4Cv3D9QTbuGmfAzVqQgK
jGRc1m5XKgRG7/2013-XIII-07.kml",
                serving url:
"http://storage.googleapis.com/or-geostore/uploads/rnv6hLsMBiQe0BzXMiExgJ6u2NWCAXVs
c3y23izADH0CVzyCaqvJAapIwyVcRUe2v6i3VM3xSEm06VEm3iqKtZzhYKdwTUt4Cv3D9QTbuGmfAzVqQgK
jGRc1m5XKgRG7/2013-XIII-07.kml"
            created: "Dec 14, 2015 05:16:19 AM",
            user: {
               org name: "",
                first name: "Geostore",
                last name: "Admin",
                middle name: "",
                name: "Geostore Admin",
                designation: null,
                email md5: "aa0ca81521db8c5357a6a72be0330465",
                org id: "",
                region: "",
                address: {
                    province: "Cebu",
                    city/municipality: "Cebu City",
                    street address: "Cebu City, Philippines"
                operating unit: "",
                agency: "",
                email: "geostore@sym.ph",
                office_order_number: "NONE",
                department: "",
                mobile number: "",
                id: "5394598109118464"
            agency: "DOT",
            created timestamp utc: 1450041379,
            project code: "2013-XIII-07",
            program: "TRIP",
            original file url:
"http://storage.googleapis.com/or-geostore/uploads/rnv6hLsMBiQe0BzXMiExgJ6u2NWCAXVs
c3y23izADH0CVzyCaqvJAapIwyVcRUe2v6i3VM3xSEm06VEm3iqKtZzhYKdwTUt4Cv3D9QTbuGmfAzVqQgK
jGRc1m5XKgRG7/2013-XIII-07.kml",
            created timestamp: 1450070179,
            permission: "PUBLIC",
            updated timestamp utc: 1450041379,
            type: "KML",
            id: "4505481494134784",
```

```
parent code: "8F27F418-81BA-4BED-9A42-D77967C03557"
            updated timestamp: 1450070738,
            updated: "Dec 14, 2015 05:25:38 AM",
            kml: {
"http://storage.googleapis.com/or-geostore/uploads/P6pGBxIRyDKslWAH5qZ5fbumvBfgW7cQ
Z1171PjpDUaUYsWGdW3MhyXGtMFaImxKEiaVwMIiJFHGkKapgP5wstUJgIdzOQ0bV2iFqzCG0Ut7MYJ0A9f
9L8tvZTuyyOx1/2015-XII-12.kml",
                serving url:
"http://storage.googleapis.com/or-geostore/uploads/P6pGBxIRyDKslWAH5qZ5fbumvBfgW7cQ
Z1171PjpDUaUYsWGdW3MhyXGtMFaImxKEiaVwMIiJFHGkKapqP5wstUJqIdzOQ0bV2iFqzCG0Ut7MYJ0A9f
9L8tvZTuyyOx1/2015-XII-12.kml"
            created: "Dec 14, 2015 05:25:38 AM",
                org name: "",
                first name: "Geostore",
                last name: "Admin",
                name: "Geostore Admin",
                designation: null,
                email md5: "aa0ca81521db8c5357a6a72be0330465",
                org id: "",
                region: "",
                address: {
                    city/municipality: "Cebu City",
                    street address: "Cebu City, Philippines"
                operating unit: "",
                agency: "",
                email: "geostore@sym.ph",
                office order number: "NONE",
                department: "",
                salutation: "",
                id: "5394598109118464"
            agency: "DOT",
            created timestamp utc: 1450041938,
            program: "TRIP",
            original file url:
"http://storage.googleapis.com/or-geostore/uploads/P6pGBxIRyDKslWAH5qZ5fbumvBfgW7cQ
Z1171PjpDUaUYsWGdW3MhyXGtMFaImxKEiaVwMIiJFHGkKapgP5wstUJgIdzOQ0bV2iFqzCG0Ut7MYJ0A9f
9L8tvZTuyyOx1/2015-XII-12.kml",
            created timestamp: 1450070738,
            permission: "PUBLIC",
            updated timestamp utc: 1450041938,
            type: "KML",
            id: "4518635301240832",
            parent code: "28A6AC1A-7CF3-4290-912F-D991692FDE1A"
```

```
method: "GET"
}
```

List Classifications

GET /api/v1/data?type=CLASSIFICATION

List Classifications created by Geoprocessing Images.

Parameters:

- n A number. If provided, will return the number of classifications indicated. Defaults to 50. Maximum of 100. *optional
- type Required. Must be set to CLASSIFICATION
- parent_code The Dataset Code of the parent dataset.
- project_code Filter the results by the given Project Code. *optional
- image_id Filter the results by the given Image ID. *optional
- classification_type Filter the results by classification type. Set to SURFACE, QUALITY, or WIDTH.

 *optional
- classification Filter the results by the classification value. Options are CONCRETE, ASPHALT, GRAVEL, EARTH, GOOD, FAIR, POOR, or BAD. *optional
- image_id Filter the results by the given Image ID. *optional
- **program** Filter the results by the given Program. Options are PRDP, GAA, BUB, and TRIP. *optional
- csv Set to 1 to return results as a CSV export. *optional

Example:

http://openroads-geostore.appspot.com/api/v1/data?type=IMAGE&parent_code=1591CEF7-C44A-4 420-80CF-F4E932D42FEB&n=2

```
classification type: "SURFACE",
            updated timestamp utc: 1450258470,
            project code: "FMRDP-ROO8-LEY-MER-003-2015",
            permission: "PUBLIC",
            image id: "6466328814682112",
            created timestamp: 1450287270,
            image url:
"http://storage.googleapis.com/or-geostore/uploads/6bZT4AFn8672iNUM8zeYcUX3j5xspvyd
hZylWxtPM9VvOk2DgvpI5g94k2y0QcyGU750kyBpS3HpTbLnbrp7MLyWzi61ZkwxSXr1PSBFTv92cqm4Z87
U94Sih9FAZUID/20150304 132845.jpg",
            user: {
                org_name: "",
                first name: "Ashley",
                last name: "Uy",
                middle name: "",
                name: "Ashley Uy",
                designation: null,
                email md5: "9d11a7b7814f2427e5bd44c592fbb6aa",
                org id: "",
                region: "",
                address: {
                    province: "Cebu",
                    city/municipality: "Cebu City",
                    street address: "#350-T V. Urgellio St, Sambag 2"
                operating unit: "",
                agency: "",
                email: "ashley@sym.ph",
                office order number: "NONE",
                mobile number: "",
                id: "5720630016081920"
            lat: "10.932572",
            lng: "124.50019",
            type: "CLASSIFICATION",
            id: "4505709328728064",
            parent code: "2B7982C4-6D1A-4546-909F-92091DDBEE8D"
            updated timestamp: 1450287226,
            updated: "Dec 16, 2015 05:33:46 PM",
            classification: "GOOD",
            created: "Dec 16, 2015 05:33:46 PM",
            image serving url:
"http://lh3.googleusercontent.com/rad-7huEwq-3t0w4 QrHz15auC2f-B1Jktb0kFqZEhZZo5LUZ
F1baj-LvJIvarkpXgtLXTjc A314ATIjhUDuXOG",
            created timestamp utc: 1450258426,
            classification type: "QUALITY",
            updated timestamp utc: 1450258426,
            project code: "FMRDP-ROO8-LEY-MER-003-2015",
            permission: "PUBLIC",
            image id: "6018492843163648",
```

```
created timestamp: 1450287226,
            image url:
"http://storage.googleapis.com/or-geostore/uploads/RUlXVNc8mpj3hQ5DTvAD9YBOp7nYrmr1
q7RxK7DLLpoI6twY9iipzWe1qclJxaxzU1CeVkYSUUWori8zyRJiWz9l2tZ3Z65E3Q8o42GwTvULUiidxr2
bWlzWrN1faVo5/20150304 142616.jpg",
            user: {
                org_name: "",
                first name: "Ashley",
                last name: "Uy",
                middle name: "",
                name: "Ashley Uy",
                designation: null,
                email md5: "9d11a7b7814f2427e5bd44c592fbb6aa",
                org id: "",
                region: "",
                address: {
                    city/municipality: "Cebu City",
                    street address: "#350-T V. Urgellio St, Sambag 2"
                operating unit: "",
                agency: "",
                email: "ashley@sym.ph",
                office order number: "NONE",
                department: "",
                salutation: "",
                id: "5720630016081920"
            lat: "10.90803",
            lng: "124.537704",
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