Satellietdataportaal API general info

Endpoint: https://api.satellietdataportaal.nl

Authentication: basic http auth (login used for satellietdataportaal.nl)

Functions:

Search

This function will search the database. In case the data is displayable through GIS standards like wmts or wms a link is provided in the services object in the response of the resource that enables viewing the image in a GIS or download the products available for the image.

https://api.satellietdataportaal.nl/v1/search

Field options

For increased performance we advise to set the geometry to false for big searches. If you wish to retrieve the geometry of a single acquisition the best practice is to retrieve it with the idfilter.

Filter options

All filters are optional

Datefilter			
Key	**Example**	**Format**	**Comments**
startdate	2018-11-14	yyyy-mm-dd	
enddate	2018-11-16	yyyy-mm-dd	

Resolutionfilter			
Key	**Example**	**Format**	**Comments**
maxres	0.5	Decimal	Resolution in meters
minres	0	Decimal	Resolution in meters

Sensorfilter			
Key	**Example**	**Format**	**Comments**
sensorname	SuperView-1	String	TripleSat, Sentinel-2, RapidEye, PlanetScope, Spot6_7, SuperView-1

Idfilter			
Key	**Example**	**Format**	**Comments**
ids	[“id1”,”id2”,”id3”]	JSON array	Array with strings

POST

Method = POST

Parameters = Request object

Result = Response object

The request object

```
{
     "type": "Feature",
     "geometry": {
          "type": "Point", #Point or Polygon
          "coordinates": [5.92,52.67] #LON/LAT
     },
     "properties": {
          “fields: {
               #Lets you choose to remove geometry from result for
increased performance
               “geometry”:false #Boolean true/false
          },
          "filters" : { #Optional
               "datefilter":{ #Optional
                    "startdate": "2018-11-14", #yyyy-mm-dd
                    "enddate" : "2018-11-16" #yyyy-mm-dd
               },
               "resolutionfilter":{
                    "maxres" : 0.8,
                    "minres" : 0
               },
               “sensorfilter”:{ # Optional
                    “sensorname” : “STRING”
               },
               “idfilter”:{ # Optional
                    “ids” : [“id1”,”id2”,”id3”]
               }
          }
     }
}
```

The response object (GEOJSON)

```
{
     “type”:“FeatureCollection”,
     "features":[
          {
               “type”:”feature”,
               "id": "STRING",
               "geometry": "GeoJSON", # Depends on fields geometry
setting
               "properties": {
                    "cloudcover":"FLOAT",
                    "acquired":"STRING (timestamp YYYY-MM-DD
HH:MM:SSZ)",
                    "resolution":"FLOAT",
                    "sensor":"STRING",
                    "acquisitionangle": "FLOAT",
                    "services":{ #
                         "wms": {
                              “link”: “STRING link”,
                              “layername”: “STRING layername”
                         }
                    },
                    “downloads”:[
                         {
                              "productname" : "STRING"
                              "href": "STRING link",
                              "description" : "STRING link"
                         }
                    ]
               }
          }
     ]
}
```

Example

curl -X POST -H "Content-Type: application/json" --user [YOUR USERNAME]:[YOUR PASSWORD] https://api.satellietdataportaal.nl/v1/search -d '{"type": "Feature","geometry": {"type": "Point", "coordinates": [5.92,52.67]},"properties": {"fields":{"geometry":false},"filters" : { "datefilter":{ "startdate": "2018-06-14","enddate" : "2018-09-16" }, "resolutionfilter":{ "maxres" : 0.8, "minres" : 0 }} } }'