

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, SuperView-NEO, Pleiades-NEO, RadarSat-2

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
      "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}}}'
```