Intelligence

# GeoStore

## How To Search For Archives Products

## User Guide

AIRBUS

# Tutorial Overview

## Skills To Be Acquired

The following points will be explained in detail in this User Guide

- ✔ Define search criteria
- ✔ Search by ID
- ✔ Display and export search results
- ✔ Select and display products and their metadata
- ✔ Interact with the map
- ✔ Use the Target Mode (advanced users)
- ✔ Apply a voucher
- ✔ Order archive products
- ✔ Check for Elevation30 coverage to produce SPOT 5 ORTHO images

## Skills Recommended For A Better Understanding

You may need preliminary knowledge to better understand this User Guide. Please check the following list of skills to self evaluate your level of knowledge.

- Define Your AOI
- Create And Manage Projects And Alerts

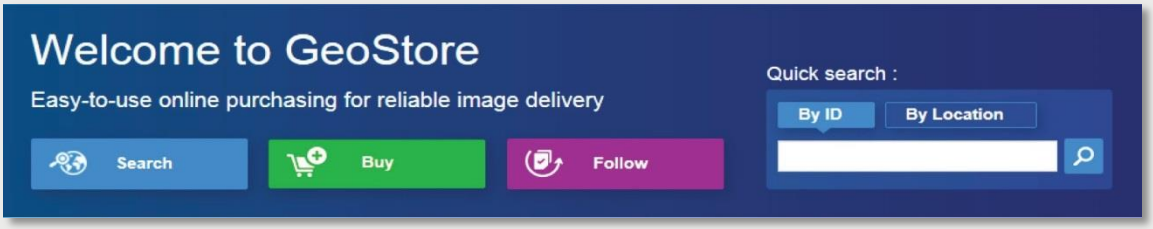
## Useful Related User Guides

You may want to learn more about the use of GeoStore. Please check the following User Guides to enhance your GeoStore experience!

- Order Status

## Go To The Map

Go to www.geostore.com in your web browser. We recommend Mozilla Firefox or Google Chrome: check for supported versions below the Questions and answers section.




Click on **Search** from the GeoStore home page if you just need an overview of the archive products

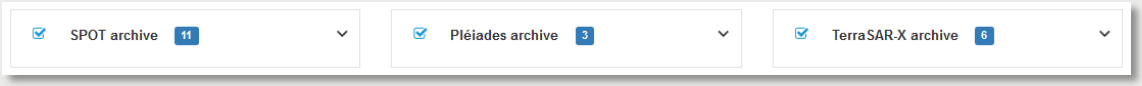
Or

Click on **Buy** from the GeoStore home page if you plan to order archive products, then …

Click on **Login** and enter your e-mail address and password

## Select The Archive Products To Search

Click on **Products** **tick** the required products and validate with OK

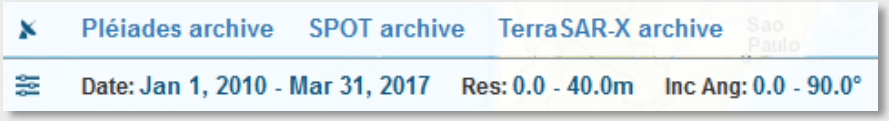



## Select Your Search Criteria

Click on **Criteria**

Enter your search criteria (Acquisition Range, Resolution, Incidence Angle, Cloud Cover, Snow Cover, Polarization, Path direction, Look direction)

*You can change your search filters (products and criteria) at any moment using the banner at the bottom of the map. Hide and display the banner with*



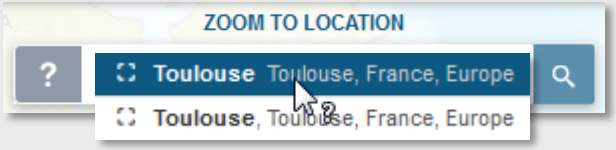

Any questions? Please check our FAQ section from the GeoStore homepage

# Define Your Area Of Interest (AOI)

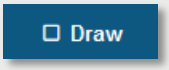
## Draw Your AOI

Enter the location name in the search bar and click on displayed before the proposed locations to automatically draw an AOI on this location and zoom on it.

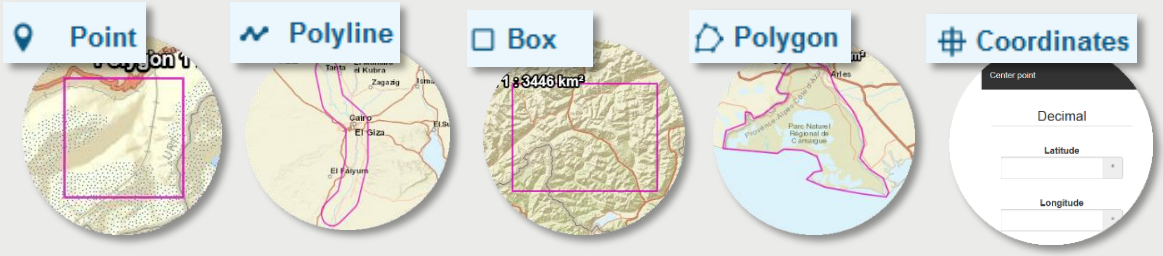
Or Enter the area location in the search bar and click on the name of the location to zoom on it




Zoom using the mouse wheel or with the + and − buttons located at the bottom right hand corner of the map to refine the view

Click on 

to create your AOI with the tool that suits you the best: point, line, box (e.g. rectangle), polygon or by coordinates




Please consult our **Define Your AOI** User Guide from the Help & Support section if you want to know how to handle polygons

## Upload Your AOI

Click on

to upload your AOI from a Shapefile, a KML/KMZ or a WKT. You may want to check for the supported projections in the Help & Documentation section

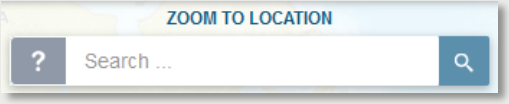
Please ensure your AOI meets the **minimum required area of 5 km²** . Be aware that minimum area will be invoiced per product according to the table here below even if your AOI is smaller

| Optical Products | Pléiades | SPOT 6/7 | SPOT 1-5 |
|---|---|---|---|
| Minimum area invoiced (sq km) | 25 | 100 | 1 000 |
| Min AOI width (km) | 2 | 2 | 2 |
| **TerraSAR-X Products** | **Staring Spotlight** | **Spotlight** | **High Resolution Spotlight** |
| Minimum area invoiced (sq km) | 14.8 | 100 | 50 |
| Min AOI width (km) | 3.7 | 10 | 5 |
| Min AOI height (km) | 4 | 10 | 10 |
| **TerraSAR-X Products** | **StripMap** | **ScanSAR** | **Wide ScanSAR** |
| Minimum area invoiced (sq km) | 900 | 15 000 | 54 000 |
| Min AOI width (km) | 30 | 100 | 200 |
| Min AOI height (km) | 30 | 150 | 270 |

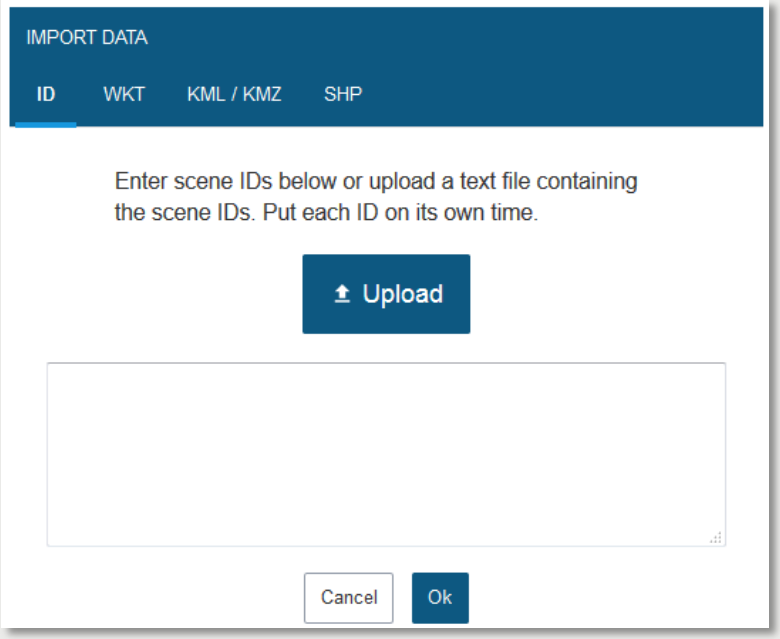
Any questions? Please check our FAQ section from the GeoStore homepage

# Search By ID

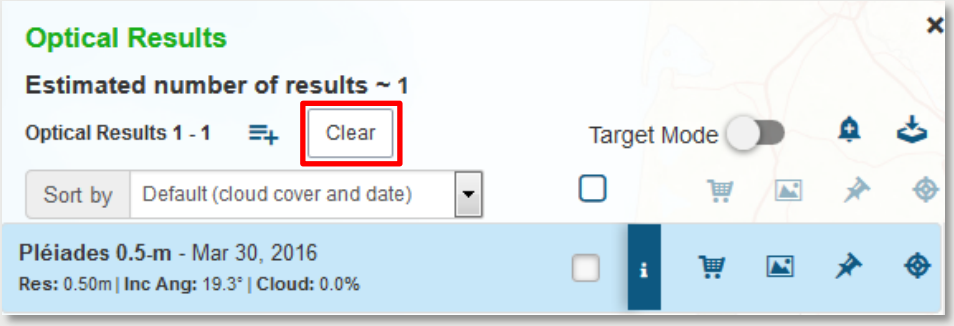
Paste the image ID in the Search Bar and click on the magnifying glass




Click on Upload to search for several image ID and select ID
Paste the list of IDs in the text area or click on "Upload" to browse for the text file containing the list of IDs.
Make sure each line contain only one image ID.



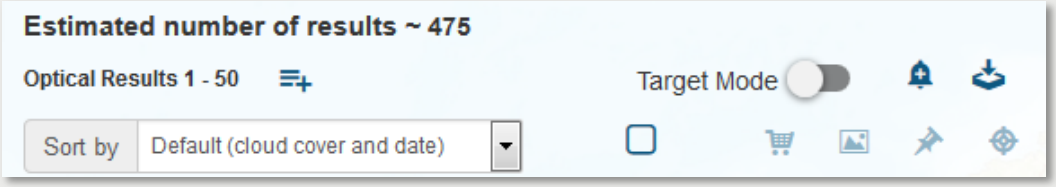

Click on Clear in the result panel to clear the IDs list and go back to the classic search. This functionality allows you to keep the items already stored in the cart.



# Display Your Search Results

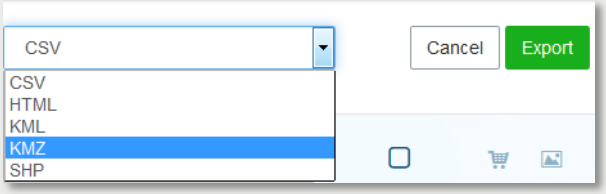
Click on in the top left corner to display optical results: SPOT or Pléiades

Click on in the top left corner to display radar results: TerraSAR-X




Click on at the top of the results list to display the next 50 results. By default, only the 50 first results are displayed both in the list and on the map. Or scroll down to the bottom of the list to display the 50 next results.

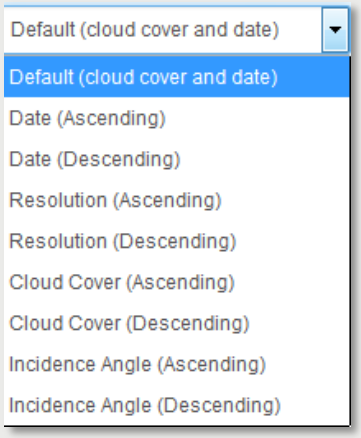
Click on at the top of the results list to export the overall results **displayed on the map**



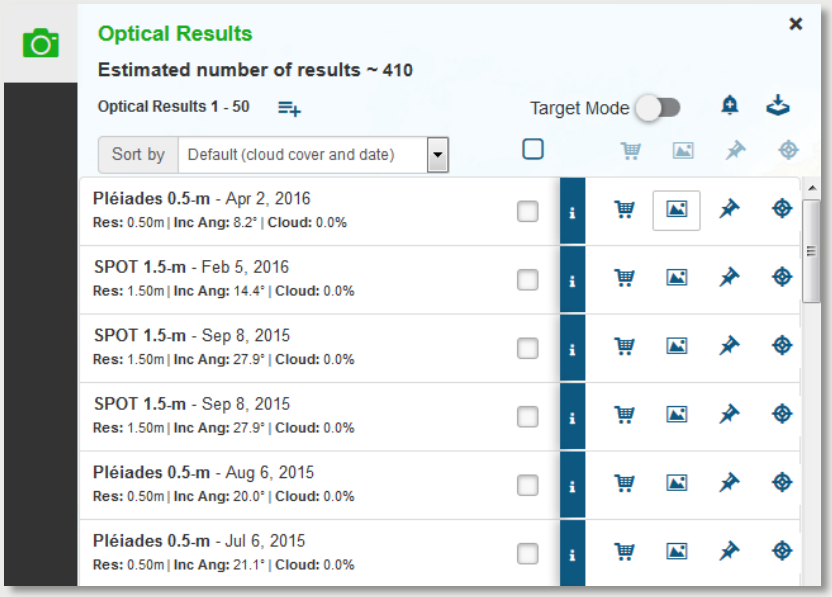

Select your export format within the proposed list and click on Export

Click on export-yyyymmdd-hhmmss.exportformat and select the path where you want to save your search results and store it on your computer.

Click on to scroll down the **Sort by** menu and filter the results according to your preferences:



# Select Your Archive Products

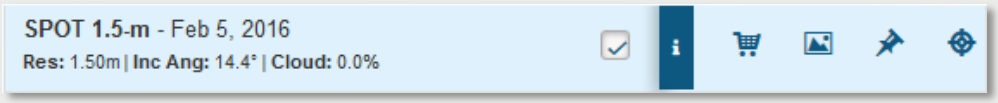



Click on in the results list to toggle the footprint of a segment or scroll the mouse over the product line in that same list to display it temporarily.

Click on to display the product quicklook in the map. Quicklooks are resampled to 44m resolution for pléiades, 133m for SPOT and 10m for TerraSAR-X.

Click on to zoom in on the related image segment

Tick the boxes in the list for the products you are interested in



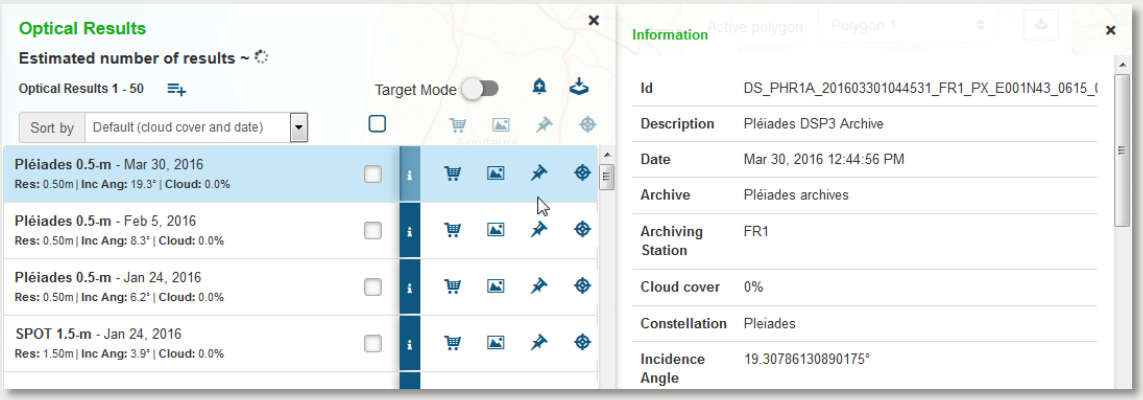

Click on one of the symbols in the header of the result list to apply the effect to all of the ticked lines: display the quicklook for all the ticked lines, display the footprint of all the ticked lines, etc…

Click on or to tick all the lines from the displayed list, the box will turn to and the selected effect will be applied to the whole list.

Click again to delete the effect on the whole list

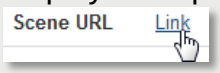
# Display Products Metadata

Click on to display the product metadata or just click on the product in the result panel : the metadata panel will open on the right.




# Display album view for optical products

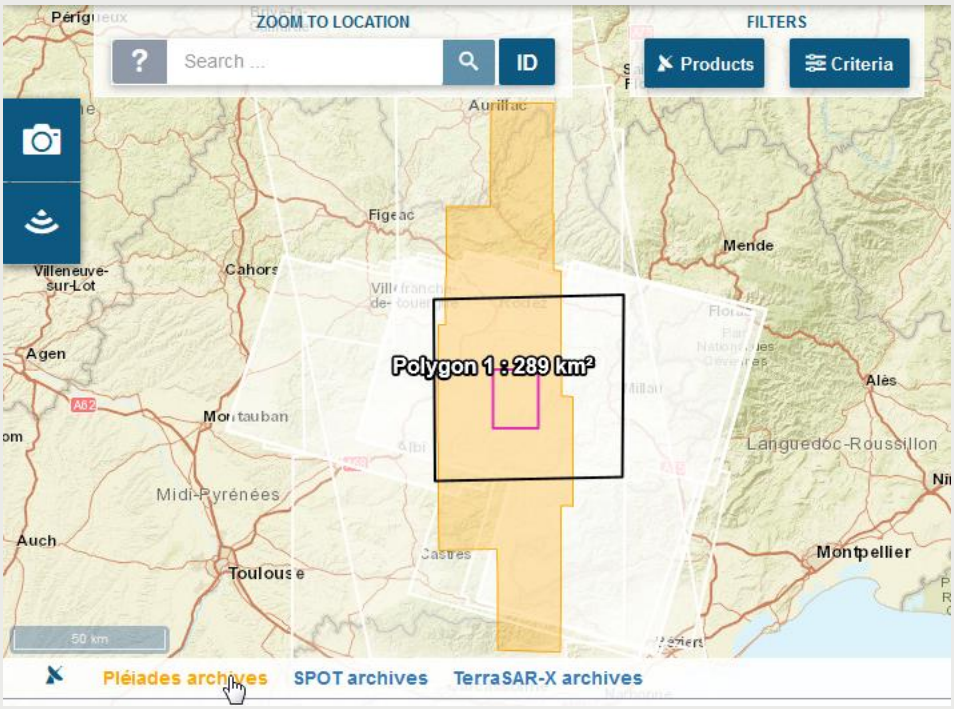
Click on in the optical products metadata to display an improved quicklook of the image or click on in the metadata.



Quicklooks from the album view are resampled to 22m resolution for pléiades imagery and to 66m resolution for SPOT imagery.

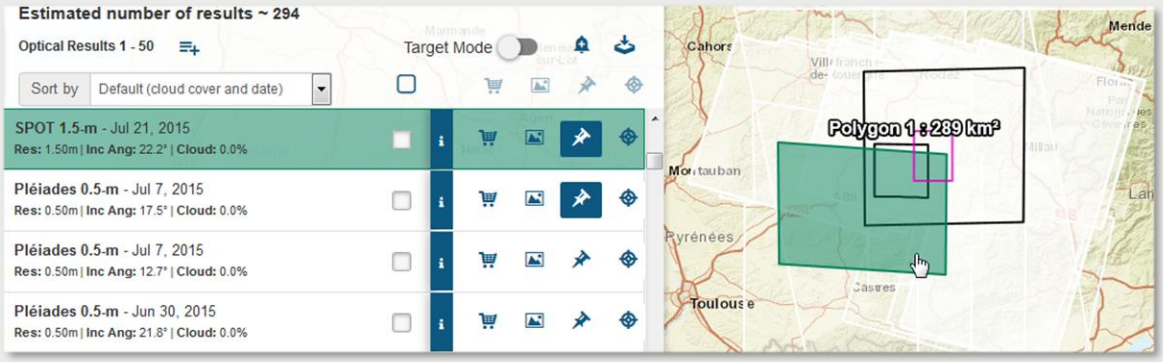
# Interact With The Map

Click on in the results panel to toggle the footprint of a segment or scroll the mouse over the product line in that same panel to display it temporarily.
Footprints of toggled products or underlined product in the result panel are displayed in black in the map whereas your AOI is displayed in purple




Footprints from products of the same collection (e.g. SPOT, Pléiades, TerraSAR-X) intersecting your AOI are merged together and displayed in translucent white in the map.

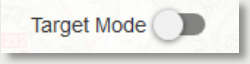
Click on a product collection name at the bottom of the map to display in orange the merged footprints of that collection




Click on one of the segment footprints displayed in the map to turn it green. The corresponding line in the result list will turn to green as well.

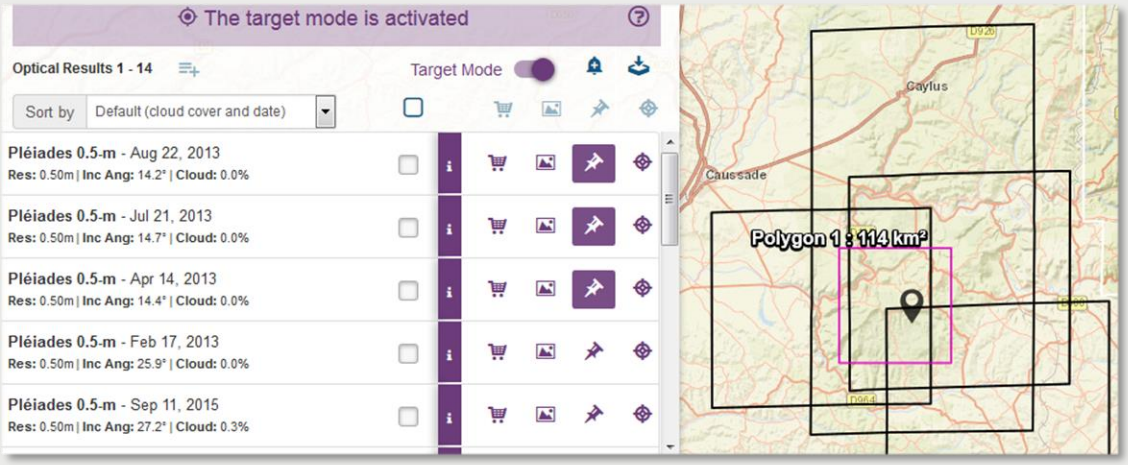
# Use The Target Mode (Advanced Users)

***The Target Mode allows you to more easily manage a great number of search results located within your AOI by selecting only the image segments stacked right under your click***

Switch the 

button located in the header of the result list to enter Target Mode. The result list then turns purple.

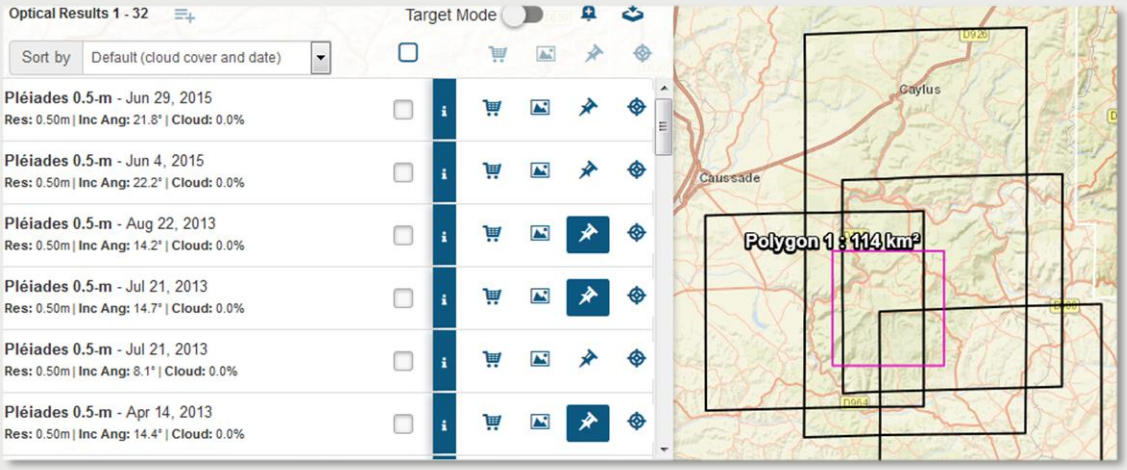
Click within your AOI to display the image segments located right under your click. The following symbol will be displayed at your click location:




Select your images and interact with the result list as you would do in the classic mode. As the results are not automatically displayed at the top of the list, we advise you to temporarily add the retained images to the cart with to set them aside. You may still remove the images afterward.

Again switch the

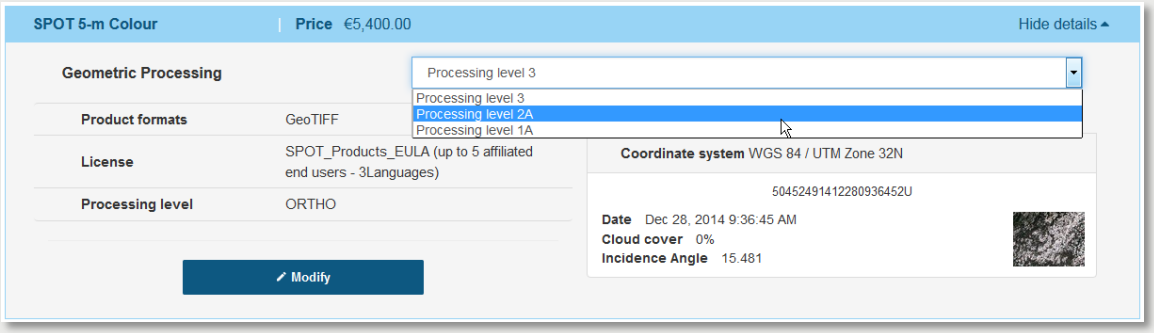
button to go back to the classic mode. You will find back your selected products in the result list



# Order orthorectified SPOT 1-5 products

To produce orthorectified SPOT 1-5 images (Geometric processing level 3), Elevation30 data is compulsory. As this layer is not globally available ~~yet~~, make sure your AOI is covered by the Elevation30 layer before ordering. To do so, follow the steps described **below** in the “Check for Elevation30 coverage” section.

However, in case your AOI is not covered by ~~the~~ Elevation30, we recommend you to select the geometric processing level 2A ~~in~~ which corresponds to the Projected processing level of the SPOT 6/7 and Pléaides products. You can select the products processing levels during the checkout (see the “Define Your Processing Parameters” section below).




# Check for Elevation30 coverage

Click on in the bottom right corner of the map to display the available Web Mapping Services (WMS)

Select the Elevation30 layer to adjust opacity with the scale button

Check the availability of the Elevation30 coverage symbolized by a red tiling

Please be aware that a minimum area of 1000 km² will be invoiced for SPOT 5 products even if your AOI is smaller



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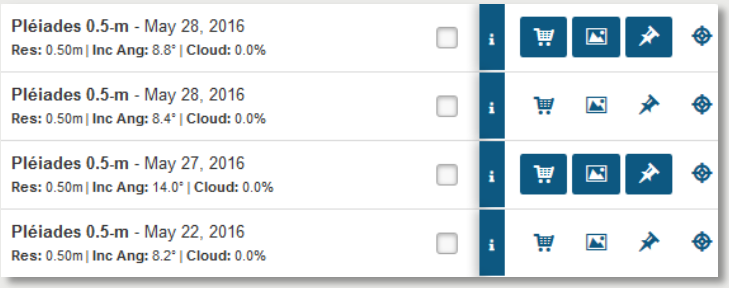
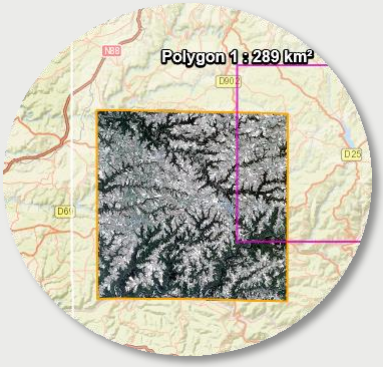
# Add Your Archive Products To The Cart

Click on in the result list to add your selected products to the cart.
Once you add a product to the cart its footprint turns orange and its quicklook is displayed in the map.

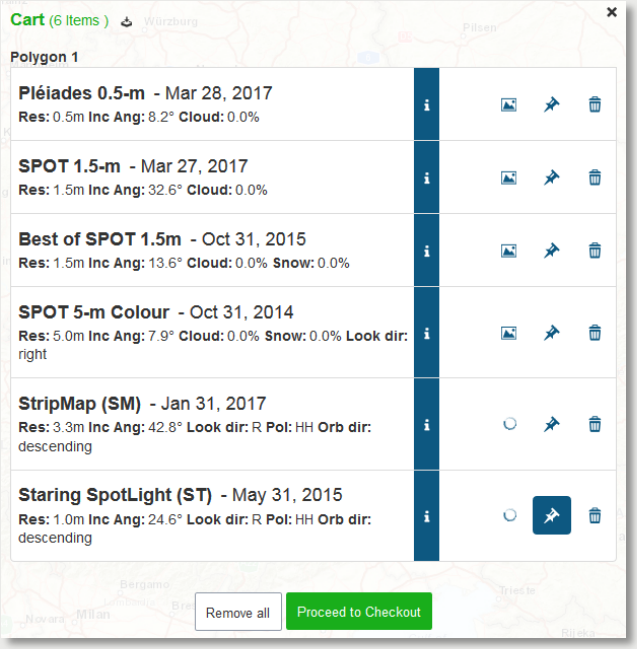



# Proceed To Checkout

Click on displayed in the top right corner, the number of selected products is displayed in a green circle on the cart icon

Click on at the top of the checkout list to export your AOI with your selected products footprints and quicklooks




Click on to display information about any order line

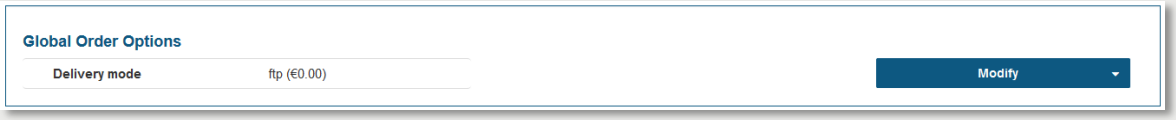
Click on to remove a product from your basket

Click on Proceed to Checkout once you have checked your basket

Any questions? Please check our FAQ section from the GeoStore homepage

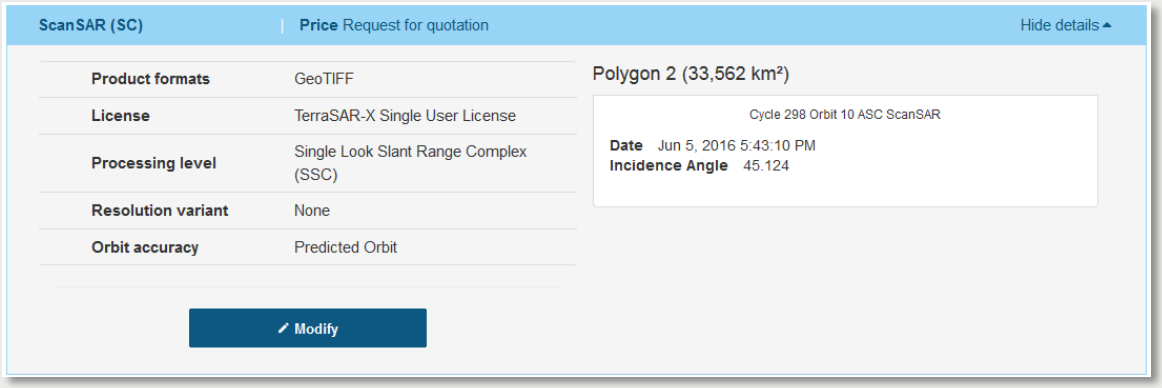
# Define Your Delivery Options

Click on **Modify** in the Global Order Options section to choose your preferred **delivery method** (ftp or Physical media)




# Define Your Processing Parameters

Click on **Modify** for each product to choose the appropriate **processing parameters** such as product format, processing level, spectral processing, coordinate system…

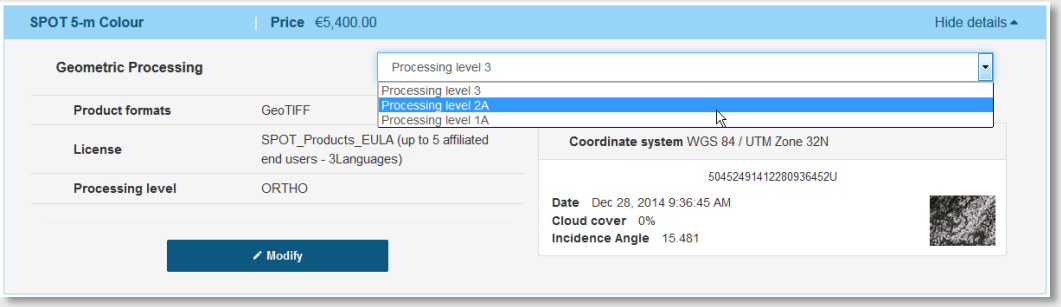



***In case your AOI is smaller than the minimum defined by product a message warns you that a minimum order amount will be applied.***
***The price is displayed in such a way that you can check the amount before and after the discount is applied.***

**Price** ~~€780.00~~ €702.00 (-10%)

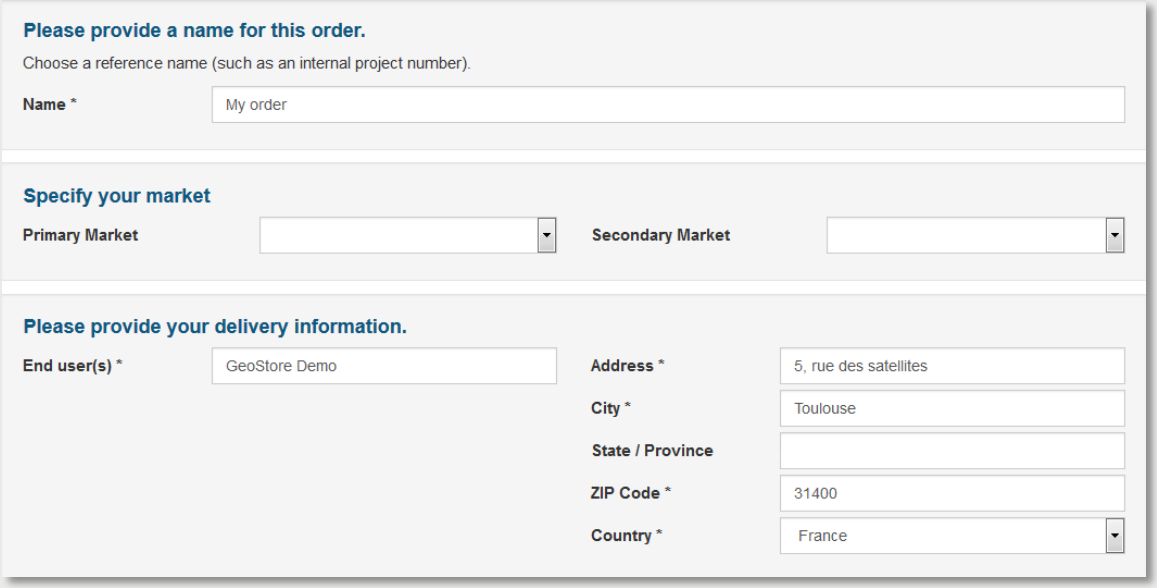
Click on **Proceed** to enter the delivery and payment information

In the case where orthorectified SPOT 1-5 images (Geometric processing level 3) cannot be produced on your AOI because the Elevation30 coverage is not available, you may select the geometric **processing level 2A** to produce a projected product.



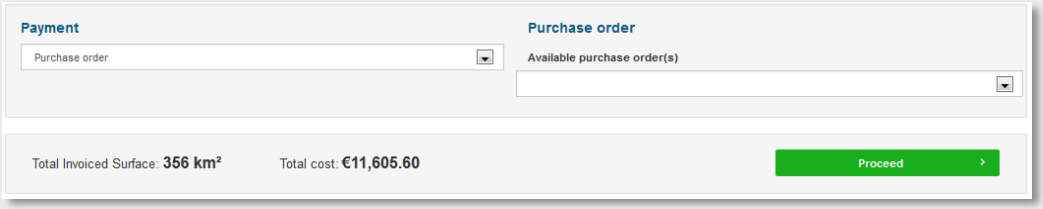
# Enter The Delivery Information

Enter a **reference name** for your order (by default your GeoStore order is named after your project name), specify your market, **check your delivery information**

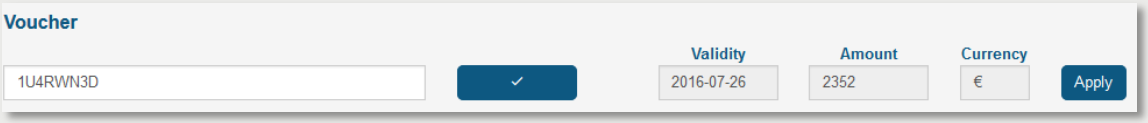



# Enter The Payment Information

Select the appropriate purchase order



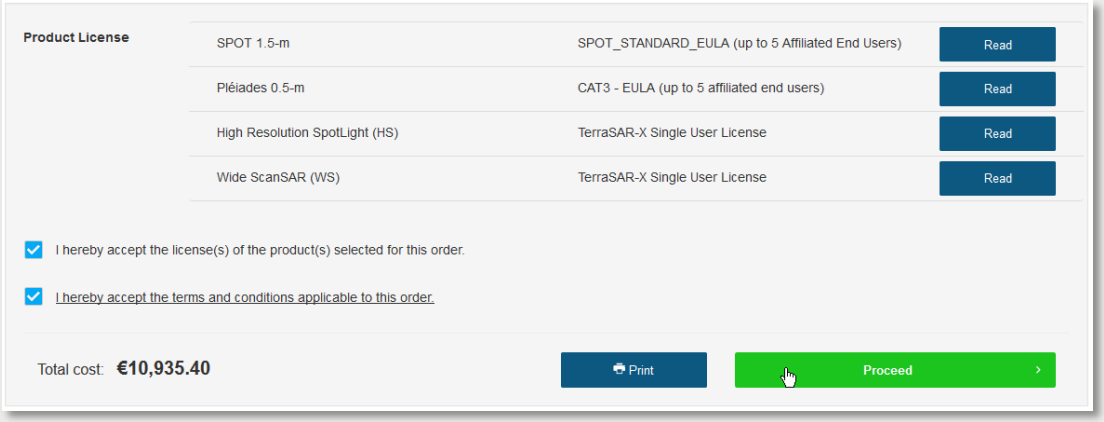

Submit your voucher if you have one and apply it to your order. The amount will be automatically deducted from the invoice. You may remove it with if needed.




Click on **Proceed** to confirm your delivery and payment information and display your order summary

# Confirm Your Order

Tick **the two boxes** after reading the license, terms and conditions



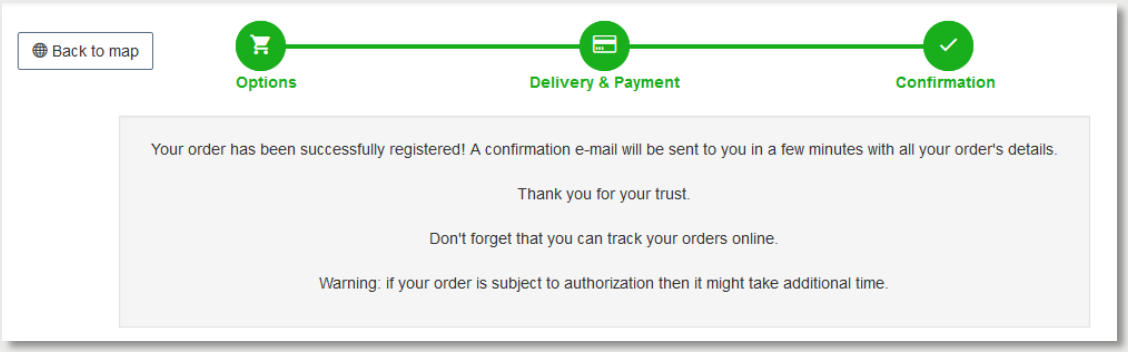

Check the total order cost after discount and/or deducted voucher

Click on to print your order summary

Click on : Congratulations, your order has been transmitted
An email confirmation will be sent to you

# GeoStore Confirmation

***You will see a confirmation message once you validate your order.***




Any questions? Please check our FAQ section from the GeoStore homepage