TPM Online Dissemination Service through L-OADS

User Manual

European Space Agency

Background

The online dissemination system has been developed for some Third Party Missions data collections. This system will allow end-users to gain direct access to ESA's TPM collections, without the need to interface with the ESA Order Desk.

The TPM collections disseminated online through the L-OADS system are accessible at https://tpm-ds.eo.esa.int/

For information, the full list of TPM collections disseminated online (not only through the L-OADS) is accessible from the TPM online access list https://tpm-ds.eo.esa.int/collections/

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Accessing the TPM L-OADS Dissemination Service

The collections are available **via the L-OADS interface** home page at https://tpm-ds.eo.esa.int/ through 3 mechanisms:

- **Geographical search**
- **Tree view**
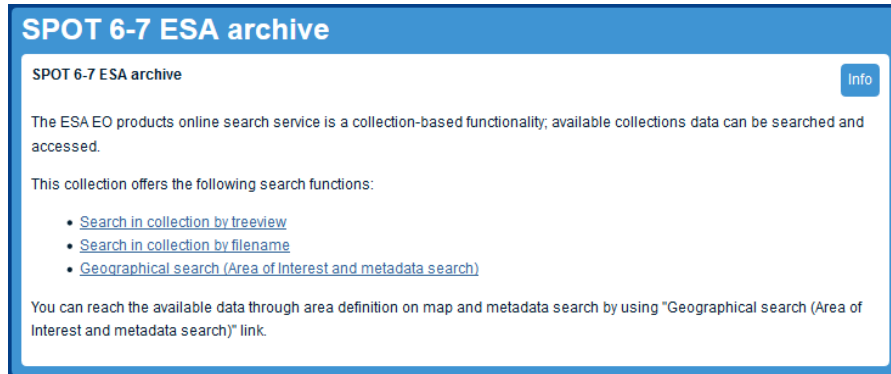- **Filename search**

In all cases, data can be viewed by anyone but downloaded only after subscription for the TPM dataset of interest on the product description page. The list of datasets are available at https://earth.esa.int/eogateway/search?text=&category=Data&subFilter=data%20description&sortby=RELEVANCE where users can subscribe to access the datasets.

How the TPM L-OADS Dissemination service works
Tree view

1. Press the "login" button on the home page top-right and log in using your EO Sign In ID (the system will check your authorisation)

2. Click on a collection then select "Search in collection by treeview"

3. Navigate through the folder tree to find the product of interest (folders can be date of acquisition, path and row, countries, … depending on the dataset)
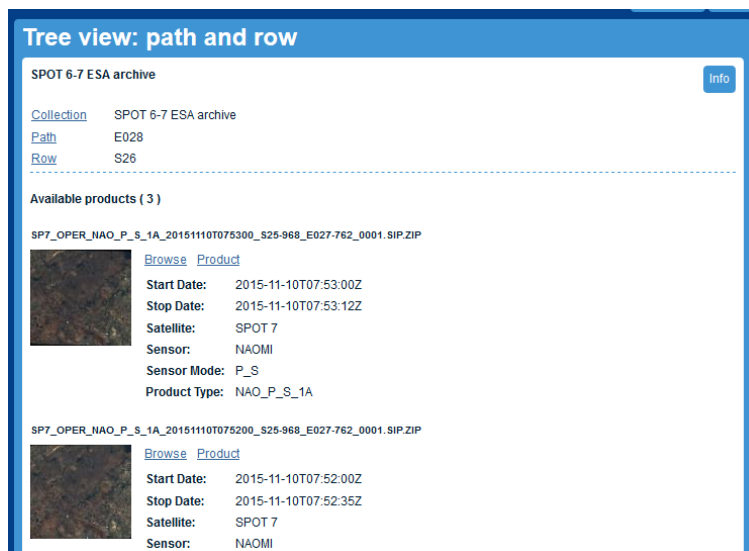
   The list of the available products is shown:

4. Click on "Product" to start the download (the download starts immediately if user logged in and authorized)

How the TPM L-OADS Dissemination service works
Filename search

1. Press the "login" button on the home page top-right and log in using your EO Sign In account (the system will check your authorisation)

2. Click on a collection then select "Search in collection by filename"

3. Enter the full filename to search or use wildcards '*' (any number of chars) ; '?' (exactly one character of any type) to substitute for any other character. (e.g. to find all SPOT 6 or 7 NAO_MS__3_ for year 2014 type: SP?_OPER_NAO_MS__3__2014*)

SPOT 6-7 ESA archive

SPOT 6-7 ESA archive

The ESA EO products online search service is a collection-based functionality; available collections data can be searched and accessed.

This collection offers the following search functions:

- Search in collection by treeview
- Search in collection by filename
- Geographical search (Area of Interest and metadata search)

You can reach the available data through area definition on map and metadata search by using "Geographical search (Area of Interest and metadata search)" link.

Search in collection by filename

SPOT 6-7 ESA archive

Collection   SPOT 6-7 ESA archive

Enter a filename to search for products.

Use the wildcards '*' (any number of characters of any type) and '?' (exactly one character of any type) to substitute for any other character(s). At least 10 contiguous, non-wildcard characters are required.

- Show search result as product list
- Show search result as URL list

SP?_OPER_NAO_MS__3__2014*

Search in collection by filename

SPOT 6-7 ESA archive

Collection   SPOT 6-7 ESA archive

Enter a filename to search for products.

Use the wildcards '*' (any number of characters of any type) and '?' (exactly one character of any type) to substitute for any other character(s). At least 10 contiguous, non-wildcard characters are required.

- Show search result as product list
- Show search result as URL list

SP?_OPER_NAO_MS__3__2014*

Available products (10)

SP7_OPER_NAO_MS__3__20140904T081500_S17-549_E024-494_0001.SIP.ZIP

Browse   Product

Start Date:	2014-09-04T08:15:00Z
Stop Date:	2014-09-04T08:15:41Z
Satellite:	SPOT 7
Sensor:	NAOMI
Sensor Mode:	MS
Product Type:	NAO_MS__3_

SP6_OPER_NAO_MS__3__20141121T072600_S17-192_E035-541_0001.SIP.ZIP

Browse   Product

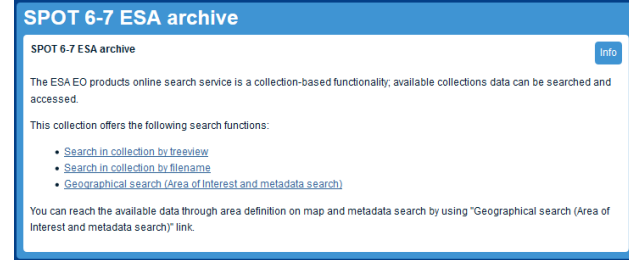|	
Start Date:	2014-11-21T07:26:00Z
Stop Date:	2014-11-21T07:26:24Z
Satellite:	SPOT 6
Sensor:	NAOMI

4. Click on the product filename to start the download (the download starts immediately if user logged in and authorized)
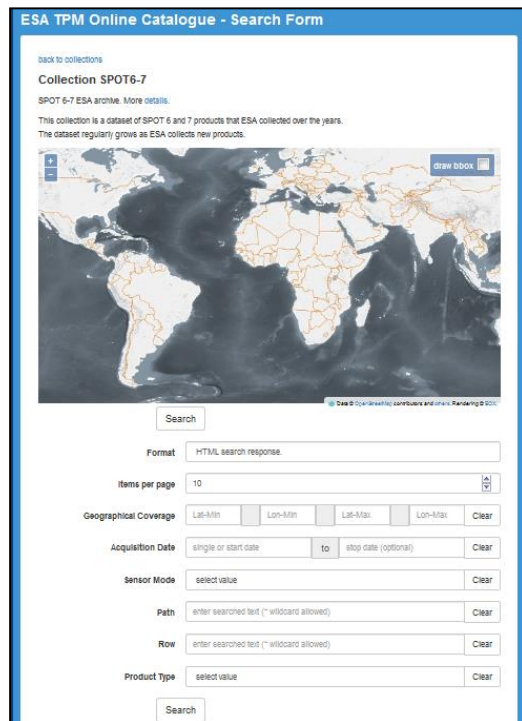
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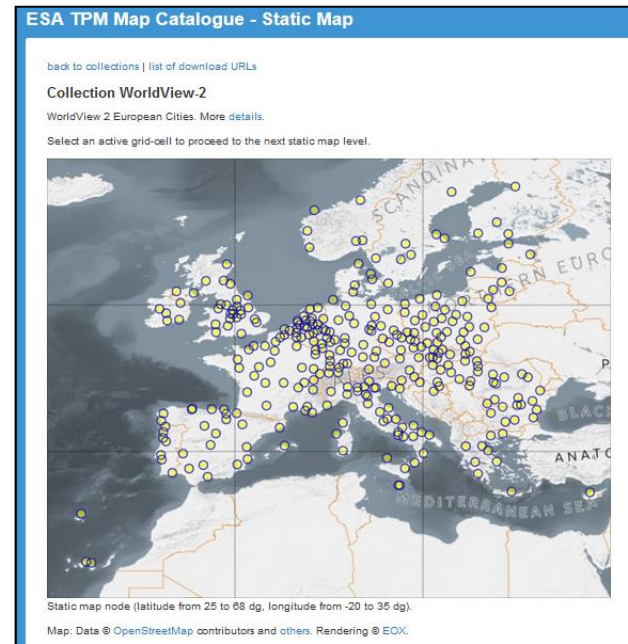# How the TPM L-OADS Dissemination service works
Geographical Search

1. Press the "login" button on the home page top-right and log in using your EO Sign In account (the system will check your authorisation).

2. Click on a collection then select "Geographical search"

3. Depending on the collection, the user is linked to one of the two following "Geographical search":

Simple Online catalogue:
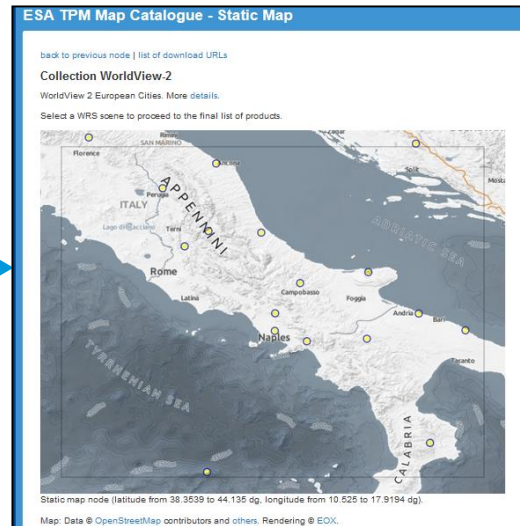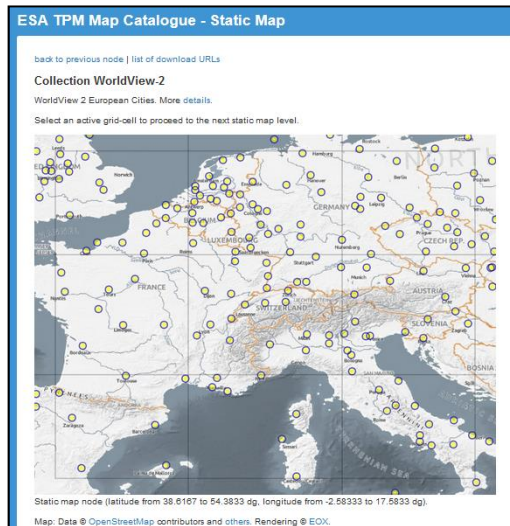AOI and metadata search

Static Map catalogue:
Clickable map

How the TPM L-OADS Dissemination service works
Geographical Search – Static Map catalogue

1. Click on the map area of interest to narrow down your search

2. At last level, click on the region of your interest

3. The result window lists the products in the last clicked region

4. Click on "download" to start the download (the download starts immediately if user logged in and authorized)
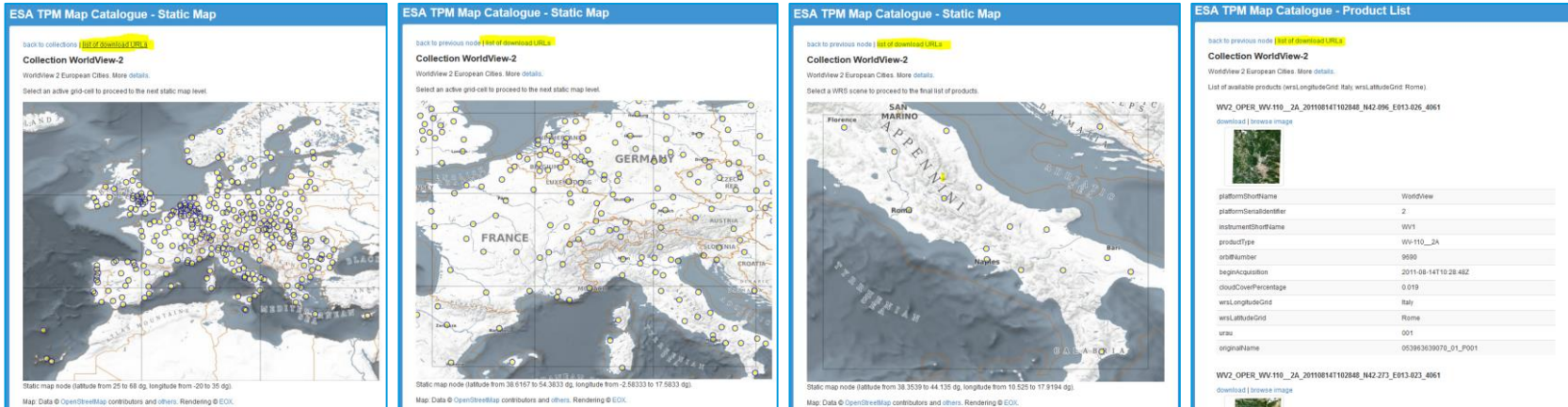
How the TPM L-OADS Dissemination service works
Static Map catalogue – Multiple downloads

1. At each zoom level of the static map, the "list of download URLs" link provides the list of downloadable URLs of the products shown on the map

2. Click the "List of download URLs" to retrieve the list of downloadable URLs of the products shown
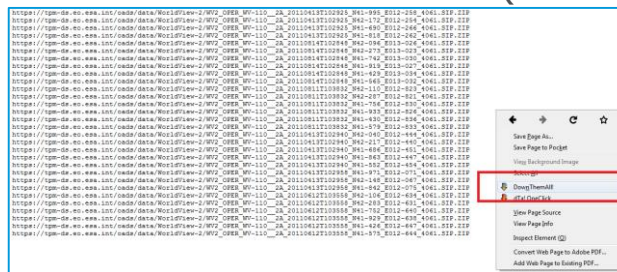
URLs of products over Europe	URLs of products over central Europe	URLs of products over Italy	URLs of products over Rome

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https://tpm-ds.eo.esa.int/oads/data/WorldView-2/WV2_OPER_WV-110__2A_20110413T102925_N41-995_E012-258_4061.SIP.ZIP
https://tpm-ds.eo.esa.int/oads/data/WorldView-2/WV2_OPER_WV-110__2A_20110413T102925_N42-172_E012-254_4061.SIP.ZIP
https://tpm-ds.eo.esa.int/oads/data/WorldView-2/WV2_OPER_WV-110__2A_20110413T102925_N41-690_E012-266_4061.SIP.ZIP
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3. Use a download accelerator to download all URLs (ex: DowmThemAll add-on to most Firefox versions)

important note: The multiple download is available only for searches from static map catalogue: It is not available for searches by filename or treeview , while "Bulk download" is available for searches from simple online catalogue

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How the TPM L-OADS Dissemination service works
Geographical Search – Simple Online catalogue

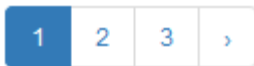1. Enter your search parameters by:

   • Clicking "draw bbox" to draw you Area Of Interest on the map

   • Filling the search parameters at your convenience

   Click the "Search" button

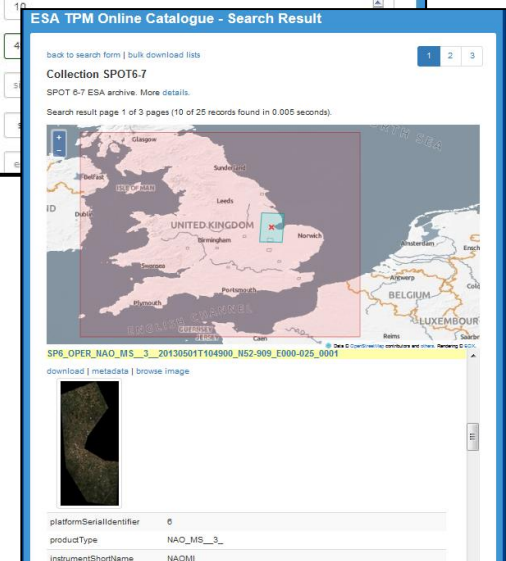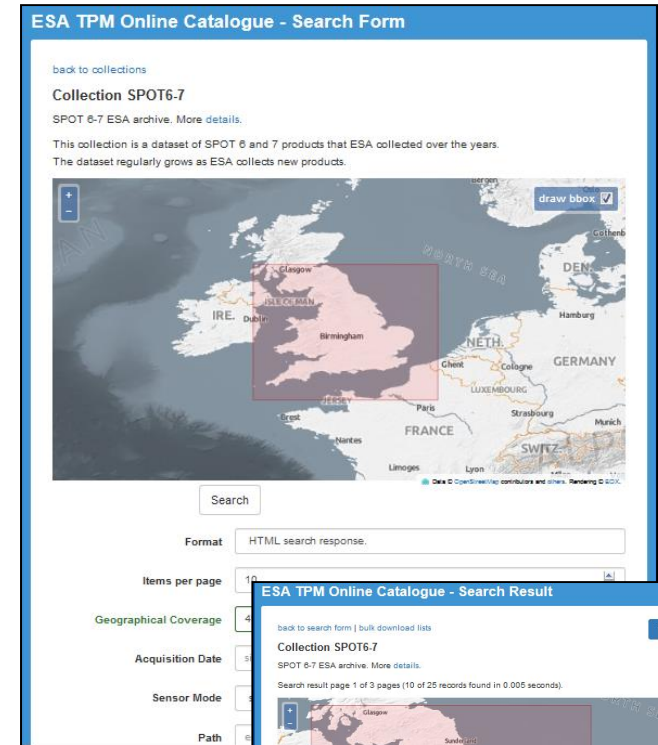Note that the number of items per page is the number of items which will be displayed in the result view

2. The result window shows the searched products on that map and a list of them with metadata overview

Note that the products shown in the result window can be presented on different pages.

Click on the page numbers on the top right corner to see other products resulting from the search.

3. Click on a product footprint on the map to highlight the product from the list (if more products available, a list of available products is shown), and conversely

4. Click on "metadata" link to view the detailed metadata of a product

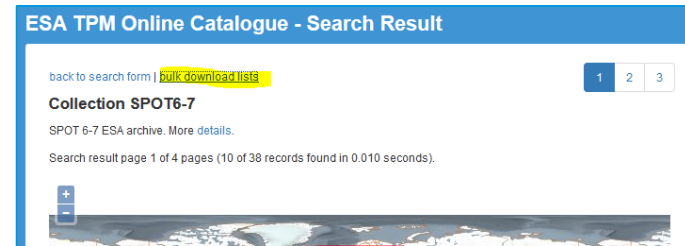5. Click on "download" to start the download (the download starts immediately if user logged in and authorized)

How the TPM L-OADS Dissemination service works
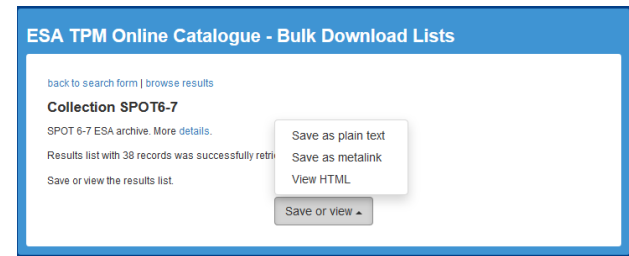## Simple Online catalogue – Bulk downloads

Bulk download is available from the simple online catalogue after authorisation (request to Eohelp@esa.int). Once authorised, from the search result page, users can download all the products resulting from the search

1. Click the "Bulk download lists" link to open the bulk download page

2. The system proposes 3 ways to get the list:

   - save as plain text: downloads a list of URLs as a text file, which can be used in scripts for example

   - save as metalink: downloads a metalink which can be used by most of the download software which has to be locally installed on PC

   - view html: presents the list of URLs in html which allows to download all the listed URLs with a download plugin (ex: free "DownThemAll" for most Firefox versions)

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important note: The bulk download is available only for searches from simple online catalogue: It is not available for searches by filename or treeview , while "Multiple download" is available for searches from simple online catalogue

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How to extract the list of products metadata

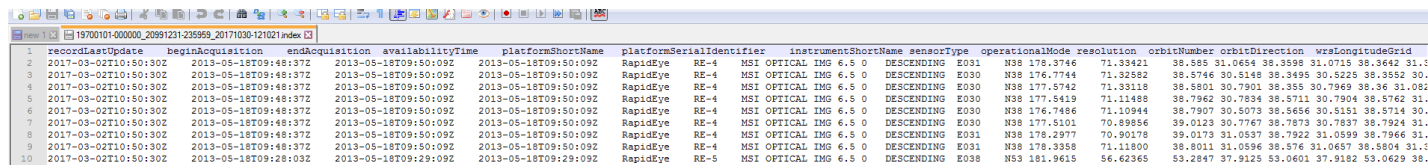Users can download a file listing, for a collection, all the products and associated metadata

1. Go to the collection of interest: https://tpm-ds.eo.esa.int/oads/access/collection/<COLLECTION_ID>

2. Update the URL to https://tpm-ds.eo.esa.int/oads/meta/<COLLECTION_ID>/index/ ("access/collection" to "meta"; add "/index/ to the end")

3. Click the .zip file link to download it

Quality of Service

In order to provide a good quality of service, at the subscription to a collection, a default user profile will be assigned to the user **(Standard User)**.

According to the available resources and workload, the user could have a per day quota.

A user can ask a profile upgrade to EOHelp in order to increase the daily quota

If, during a request, you have exhausted your daily quota you will receive an error message.

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Production failures and feedback

For further information, please contact **eohelp@esa.int**