

TPM Online Dissemination Service through L-OADS

User Manual

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Background



An online dissemination system (L-OADS) is available for some Third Party Missions data collections. This system allows end-users to gain direct access to ESA's TPM collections, without the need to interface with the ESA Order Desk.

Access the TPM Online Dissemination Service

For reference, the full list of TPM collections disseminated online (not only through the L-OADS) is accessible from the <u>TPM online access list</u>.



Accessing the TPM L-OADS Dissemination Service



The collections are available **via the <u>L-OADS</u> interface** through three mechanisms:

- Geographical search
- Tree view
- Filename search



In all cases, data can be viewed by anyone but downloaded only after registering for the TPM dataset of interest on the product description page.

The <u>list of datasets</u> are available on Earth Online, which describes how to access the datasets.

CESA Online Dissemination	ency
Third Party Missions on Earth Online Not sign	ned in
Collections L	ogin
Welcome to ESA Third Party Mission Dissemination Service	
Please find below the list of TPM collections distributed online by this system. For the complete list of TPM collections available or line, please click here.	'n
Additional TPM collections can also be found on the ALOS OPTICAL, ALOS PALSAR, and LANDSAT web pages.	
Collection Information pa	ige
> AVHRR – NOAA POES / MetOp	
European Cities: Cartosal-1 Euro-Maps 3D	
COSMO-SkyMed ESA archive Info	
GeoEye-1 ESA archive	
GEOSAT -1 and 2 ESA archive	
GEOSAT-2 Portugal Coverage 2021	
> GEOSAT-2 Spain Coverage	
ICEYE ESA archive	
IKONOS ESA archive	
Image 2006	
Image 2007	
IRS-1C/1D ESA archive	
> JERS-1 ESA acquisitions	
Kompsat-1 Coverage of 50 European Cities Info	
Kompsat-2 ESA archive	

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How the TPM L-OADS Dissemination service works Tree view



- 1. Press the "login" button in the banner on the dissemination service home page and log in using your EO Sign-In account (the system will check your authorisation)
- 2. Click on a collection and then select "Search in collection by treeview"
- Navigate through the folder tree to find the product of interest (folders vary for different datasets, but may be organised by date of acquisition, path and row, countries etc.)

The list of available products is shown:

 Click on "Download Product" to start the download (the download starts immediately if you are logged in and authorised)

Tree vi	ew: path and row		
SPOT 6-7 ES	A archive		Inf
<u>Collection</u> Path Row	SPOT 6-7 ESA archive E028 S26		
Available pro	ducts (3)		
SP7_OPER	NAO_P_S_1A_20151110T075300_S25-968_	E027-762_0001.SIP.ZIP	
Download Pro	oduct Product Info Browse		
Start Date:		2015-11-10T07:53:00Z	
Stop Date:		2015-11-10T07:53:12Z	
Satellite:		SPOT 7	
Sensor:		NAOMI	
Sensor Mode	9.	P_S	
Product Type	1	NAO_P_S_1A	
SP7 OPER	NAO P S 1A 20151110T075200 S25-968	E027-762 0001.SIP.ZIP	
Download Pro	oduct Product Info Browse		
Start Date:		2015-11-10T07:52:00Z	
Stop Date:		2015-11-10T07:52:35Z	
Satellite:		SPOT 7	
Sensor:		NAOMI	

SPOT 6-7 ESA archive

SPOT 6-7 ESA archive

The ESAEO 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 filenam
- 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.



How the TPM L-OADS Dissemination service works Filename search



- Press the "login" button in the banner on the dissemination service home page 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 characters);
 '?' (exactly one character of any type) to substitute for any other character.
 (e.g. to find all SPOT 6 or 7 NAO_MS_3_ from 2014, enter:
 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*					

 Click on "Download Product" to start the download (the download starts immediately if you are logged in and authorised)

SPOT 6-7 ESA archive

SPOT 6-7 ESA archive

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	In
Collection SPOT 6-7 ESA archive	
Enter a filename to search for products.	
Use the wildcards '*' (any number of chara character(s). At least 10 contiguous, non-v	cters of any type) and $\ref{eq:cers}$ of any type) to substitute for any other vildcard characters are required.
Show search result as product list	
Show search result as URL list	
SP?_OPER_NAO_MS32014"	
	2
Available products (10)	
SP7_OPER_NAO_MS3_2014090	4T081500_S17-549_E024-494_0001.SIP.ZIP
Download Product Product Info Brows	e
No. 1 Th	
Start Date:	2014-09-04T08:15:00Z
Stop Date:	2014-09-04T08:15:41Z
Satellite:	SPOT 7
Satellite: Sensor:	SPOT 7 NAOMI
Satellite: Sensor: Sensor Mode:	SPOT 7 NAOMI MS
Satellite: Sensor: Sensor Mode: Product Type:	SPOT 7 NAOMI MS NAO_MS3_
Satellite: Sensor: Sensor Mode: Product Type:	SPOT 7 NAOMI MS NAO_MS3_
Satelille: Sensor: Sensor Mode: Product Type: SP6_OPER_NAO_MS_3_2014112: Product Type:	SPOT 7 NAOMI MS NAO_MS_3_ 1T072600_\$17.192_E035.541_0001.SIP.ZIP
Satellite:	SPOT 7 NAOMI MS NAO_MS_3_ 1T072600_S17-192_E035-541_0001.SIP.ZIP e
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How the TPM L-OADS Dissemination service works **Geographical Search**



- Press the "login" button in the banner on the dissemination service home page 1. and log in using your EO Sign-In account (the system will check your authorisation)
- 2. Click on a collection then select "Geographical search"
- Depending on the collection, you may see one of the two views of the Geographical search page: 3.

Simple Online catalogue: AOI and metadata search



Static Map catalogue: Clickable map

SPOT 6-7 ESA archive

This collection offers the following search functions · Search in collection by treeviev

· Geographical search (Area of Interest and metadata search

· Search in collection by filename

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

(ou can reach the available data through area definition on map and metadata search by using "Geographical search (Area of

SPOT 6-7 ESA archive

accessed



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



TPM Map Catalogue - Product Lis

- 1. Click on the areas of interest on the map to narrow down your search
- 2. When you have reached the level you need, click on your area of interest by selecting a circular point on the map
- 3. The result window lists the products in the area you have selected
- 4. Click on "Download Product" to start the download (the download starts immediately if you are logged in and authorised)

SA TPM Man Catalogue - Static Man	ESA TPM Map Catalogue - Static Map	back to previous node	list of download URLs
on in map catalogue - otatic map		Collection Wor	ldView-2
back to previous node I list of download URLs	back to previous node list of download URLs	WorldView 2 European	n Cities. More details.
Collection World View 2	Collection WorldView-2	List of available produc	cts (wrsLongitudeGrid: Italy, wrsLatitudeGrid: Napoli).
WorldView 2 European Cities More details	WorldView 2 European Cities. More details.	WV2 OPER WV.	110 20 20110405T102207 N40.811 F014.256 4061
Select an active grid-gell to proceed to the next static man level	Select a WRS scene to proceed to the final list of products.	Download Product	Product Info Browse
	SAN Plorence MARINO O A D O A L M A O		
		Platform Short Nar	ne WorldView
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		Instrument Short N	lame WV1
All Carech BEP. O		Product type	WV-110_2A
	Rom	Orbit	7808
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Static map node (latitude from 38.6167 to 54.3833 dg. longitude from -2.58333 to 17.5833 dg).	© A Ib A B C I A Static map node (latitude from 38 3539 to 44 135 dg. longitude from 10 525 to 17 9194 dg). Map. Data © CoenStreetMap contributions and chera. Rendering © ECX.	Download Product	Product Info Browse
Map: Data @ OpenStreetMap contributors and others. Rendering @ EOX.			-
		Platform Short Nar	ne WorldView
		Platform Sarial Ida	untifier 2

How the TPM L-OADS Dissemination service works Static Map catalogue – Multiple downloads



1. When changing magnification on the static map, the "list of download URLs" automatically generates a list of links to download the products shown in your current view of the map:



2. Click the "List of download URLs" button to retrieve the list of product URLs

3.

URLs of products over Europe		URLs of products over central Europe		URLs of products over Italy		URLs of products over Rome	
https://tpm-ds.eo.es https://tpm-ds.eo.es https://tpm-ds.eo.es	a.int/ sa.int/ sa.int/	′oads/data/WorldView-2/WV2_O ′oads/data/WorldView-2/WV2_O ′oads/data/WorldView-2/WV2_C	PER_WV PER_WV PER_WV	-110_2A_20110413T102925_N4: -110_2A_20110413T102925_N4: -110_2A_20110413T102925_N4:	1-995_E 2-172_E 1-690_E	012-258_4061.SIP.ZIP 012-254_4061.SIP.ZIP 012-266_4061.SIP.ZIP	
Use a download accelerator to download	all f	iles (e.g.: DownThem	- All b	rowser extension ava	ailable	e in most versions of	Firefo



important note: The multiple download is available only for searches from the static map catalogue: It is not available for searches by filename or treeview. The "Bulk download" option is used to perform searches from the simple online catalogue.

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



- 1. Enter your search parameters by:
 - Clicking "draw bbox" to draw your Area Of Interest on the map
 - Entering the search parameters in the form
 - 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 search result window shows the lists of products available in the region of the map you selected, with a metadata overview for each product

Note that depending on the number of search results, there may be more than one page of products listed.



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 in the list (if more products are available, a list of available products is shown)
- 4. Click on "Product Info" to view detailed metadata of a product
- 5. Click on "Download Product" to start the download (the download starts immediately if you are logged in and authorised)



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



Bulk download is available from the simple online catalogue after authorisation.

To request the option for bulk download, please submit a request in ESA's User Services Portal (log in with your EO Sign-In account).

Once authorised, you can download all the products listed in the search results.

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



- Save as plain text: downloads a list of URLs in 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 format which can be used to download all the listed URLs with a download plugin (e.g.: the "DownThemAll" browser extension for most Firefox versions)



ESA TPM Online Catalogue -	Bulk Download Lists
back to search form browse results Collection SPOT6-7	
SPOT 6-7 ESA archive. More details. Results list with 38 records was successfully retri Save or view the results list.	Save as plain text Save as metalink View HTML
(Save or view

Important note: The bulk download option is available only for searches from the simple online catalogue. It is not available for searches by filename or treeview. The "Multiple download" option is available for searches from the simple online catalogue.



How to extract the list of products metadata



You can download a file containing all of the products and associated metadata for a collection by following these steps:

1. Go to the collection of interest and note the structure of the URL in the address bar: https://tpm-ds.eo.esa.int/oads/access/collection/<COLLECTION_ID> 25 tpm-ds.eo.esa.int/oads/access/collection/RapidEye



2. Change the URL to:

https://tpm-ds.eo.esa.int/oads/meta/<COLLECTION_ID>/index/ (i.e. change "access/collection" to "meta" and add "/index/" at the end)



🗄 new 1 🔀 🔚 19700101-000000_20991231-235959_20171030-121021 index 🖾 recordLastUpdate beginAcquisition endAcquisition availabilityTime platformShortName platformSerialIdentifier instrumentShe ame sensorType operationalMode resolution orbitNumber orbitDirection wrsLongitudeGrid 2013-05-18T09:48:37Z 2013-05-18T09:48:37Z 2013-05-18T09:50:09Z 2013-05-18T09:50:09Z RapidEye RE-4 MSI OPTICAL IMG 6.5 0 DESCENDING E031 DESCENDING E030 N38 178.3746 N38 176.7744 71.33421 38.585 31.0654 38.3598 31.0715 38.3642 31. 2017-03-02T10:50:30Z 2017-03-02T10:50:30Z 2013-05-18T09:50:09Z 2013-05-18T09:50:09Z MSI OPTICAL IMG 6.5 0 RapidEye RE-4 71.32582 38.5746 30.5148 38.3495 30.5225 38.3552 30. 2017-03-02T10:50:30Z 2013-05-18T09:48:37Z 2013-05-18T09:50:092 2013-05-18T09:50:09Z RapidEye RE-4 MSI OPTICAL IMG 6.5 DESCENDING E030 N38 177.5742 71.33118 38.5801 30.7901 38.355 30.7969 38.36 31.082 2013-05-18T09:48:37Z MSI OPTICAL IMG 6.5 38.7962 30.7834 38.5711 30.7904 38.5762 31. 2017-03-02T10:50:30Z 2013-05-18T09:50:09Z 2013-05-18T09:50:09Z RapidEye RE-4 DESCENDING E030 N38 177.5419 71.11488 2017-03-02T10:50:30Z 2013-05-18T09:48:37Z 2013-05-18T09:50:09Z 2013-05-18T09:50:09Z RapidEye RE-4 MSI OPTICAL IMG 6.5 0 DESCENDING E030 N38 176.7486 71.10944 38.7907 30.5073 38.5656 30.5151 38.5714 30. 39.0123 30.7767 38.7873 30.7837 38.7924 31. 2013-05-18T09:48:37Z 2017-03-02T10:50:30Z 2013-05-18T09:50:09Z 2013-05-18T09:50:09Z RapidEye RE-4 MSI OPTICAL IMG 6.5 0 DESCENDING E030 N38 177.5101 70.89856 2017-03-02T10:50:30Z 2013-05-18T09:48:37Z 2013-05-18T09:50:09Z 2013-05-18T09:50:09Z RapidEye MSI OPTICAL IMG 6.5 0 DESCENDING E031 N38 178.2977 39.0173 31.0537 38.7922 31.0599 38.7966 31 RE-4 70.90178 2017-03-02T10:50:30Z 2013-05-18T09:48:37Z 2013-05-18T09:50:09Z 2013-05-18T09:50:09Z RapidEve RE-4 MSI OPTICAL IMG 6.5 0 DESCENDING E031 N38 178.3358 71.11800 38.8011 31.0596 38.576 31.0657 38.5804 31.3 2017-03-02T10:50:30Z 2013-05-18T09:28:03Z 2013-05-18T09:29:09Z 2013-05-18T09:29:09Z RapidEye RE-5 MSI OPTICAL IMG 6.5 0 DESCENDING E038 N53 181.9615 56.62365 53.2847 37.9125 53.0601 37.9182 53.0629 38.

3. Click the .zip file link to download it

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→ THE EUROPEAN SPACE AGENCY

Quality of Service



In order to provide a good quality of service, when you register for a collection a default user profile is assigned to your account **(Standard User)**.

According to the available resources and workload, this may entitle you to a daily download quota.

If you need to increase that quota, please submit a request in ESA's <u>User Services Portal</u> and ask for your user profile to be upgraded.

While downloading products you will see an error message if you have exhausted your daily quota.



Production failures and feedback



If you encounter any problems or need assistance, please submit a query in ESA's User Services Portal

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