

MASS FILE DOWNLOAD WITH OPEN WEB START



Geographic Products Area

Author: Álvaro Martín Carvajal

Instituto Geográfico Nacional

O. A. Centro Nacional de Información Geográfica



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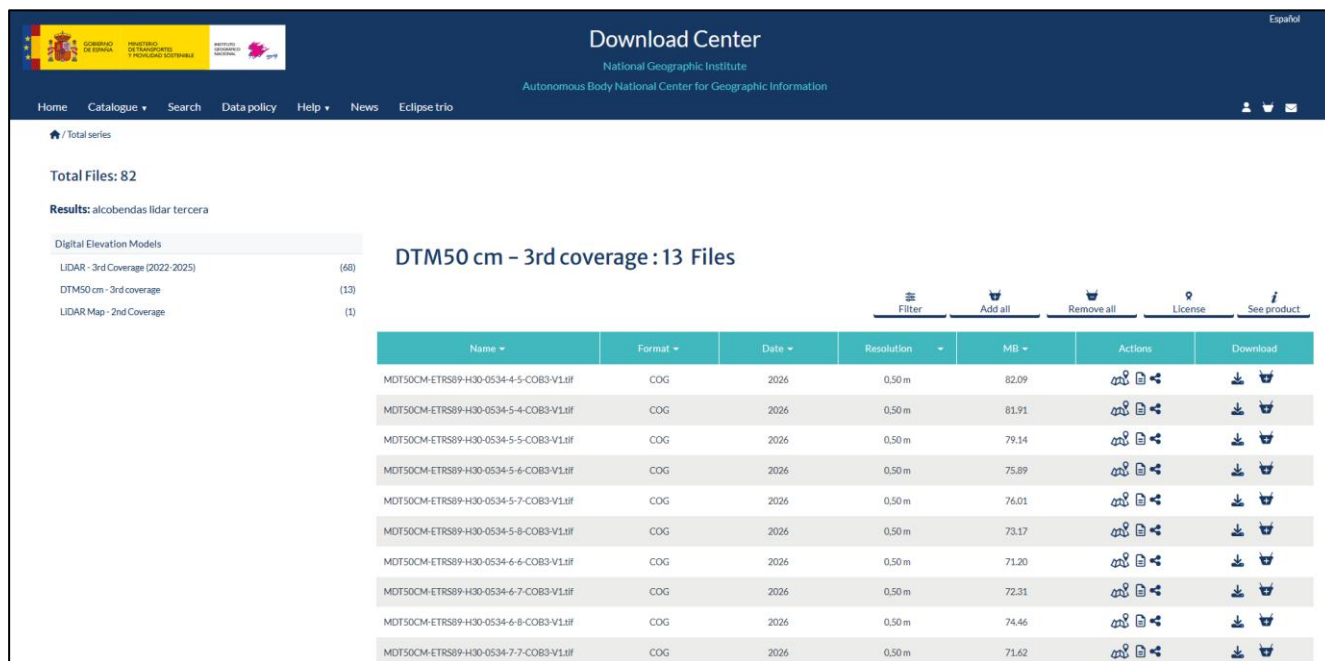
Mass File Download with Java

Title:	Mass File Download with Open Web Start, version 1.14.
Author:	Álvaro Martín Carvajal
Data:	24-09-2026
Objective:	Explain to the public how to use the massive download method with Open Web Start in the CNIG Download Center
State:	Definitive
Description:	A step-by-step guide on performing large-scale downloads with Open Web Start from the CNIG Download Center, including instructions for downloading Open Web Start and a section with solutions to common issues encountered during file downloads.
Contributions:	David del Castillo Martín, David García Díaz
Format:	PDF
Identifier:	Guia_descargas_Java_EN.pdf
Language:	English
Period of validity:	Until the next revision

Introduction

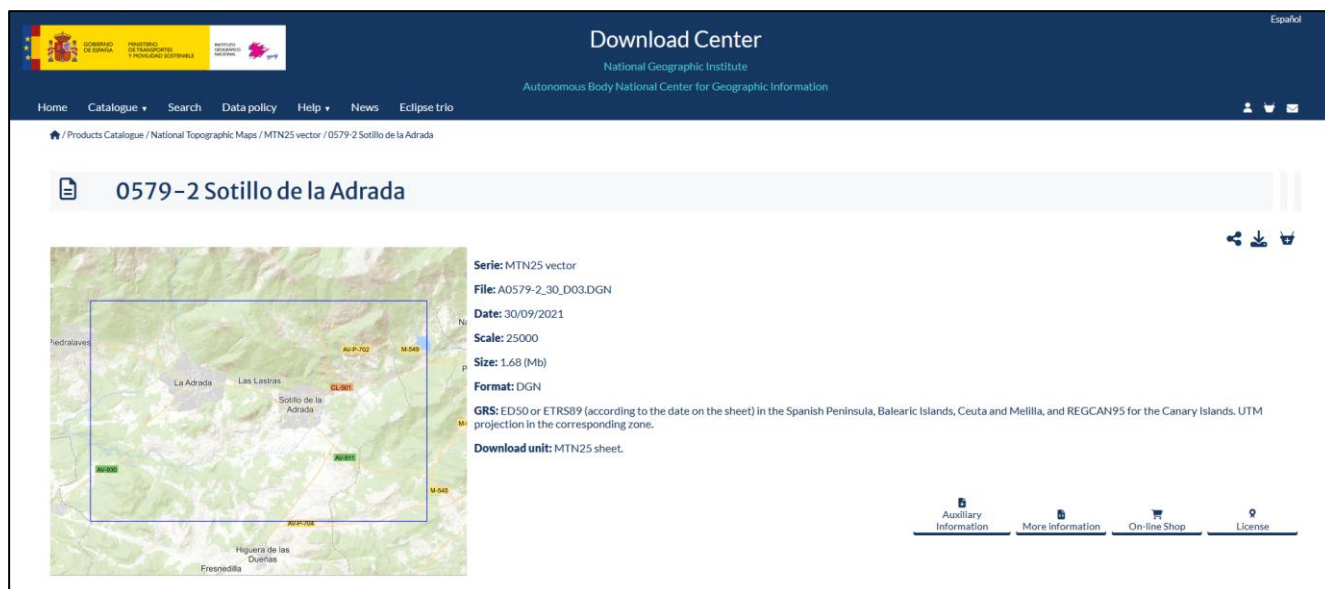
Before starting the manual for performing massive file downloads, please note that from both the product sheet and the list of results, you have the option to download files individually—one by

one—after executing a free-text search or a map search. To do this, simply select the  icon that appears next to each downloadable file, as illustrated in the following images.



The screenshot shows the 'Download Center' interface. On the left, there's a sidebar with 'Total Files: 82' and 'Results: alcobendas lidar tercera'. Below this, a list of 'Digital Elevation Models' is shown: 'LIDAR - 3rd Coverage (2022-2025)' (68), 'DTM50 cm - 3rd coverage' (13), and 'LIDAR Map - 2nd Coverage' (1). The main content area displays 'DTM50 cm - 3rd coverage : 13 Files'. Below this, there's a table with columns: Name, Format, Date, Resolution, MB, Actions, and Download. The table lists 13 files, all with a resolution of 0.50 m and a date of 2026. Each file has a download icon in the 'Download' column.

Name	Format	Date	Resolution	MB	Actions	Download
MDT50CM-ETRS89-H30-0534-4-5-COB3-V1.tif	COG	2026	0.50 m	82.09		
MDT50CM-ETRS89-H30-0534-5-4-COB3-V1.tif	COG	2026	0.50 m	81.91		
MDT50CM-ETRS89-H30-0534-5-5-COB3-V1.tif	COG	2026	0.50 m	79.14		
MDT50CM-ETRS89-H30-0534-5-6-COB3-V1.tif	COG	2026	0.50 m	75.89		
MDT50CM-ETRS89-H30-0534-5-7-COB3-V1.tif	COG	2026	0.50 m	76.01		
MDT50CM-ETRS89-H30-0534-5-8-COB3-V1.tif	COG	2026	0.50 m	73.17		
MDT50CM-ETRS89-H30-0534-6-6-COB3-V1.tif	COG	2026	0.50 m	71.20		
MDT50CM-ETRS89-H30-0534-6-7-COB3-V1.tif	COG	2026	0.50 m	72.31		
MDT50CM-ETRS89-H30-0534-6-8-COB3-V1.tif	COG	2026	0.50 m	74.46		
MDT50CM-ETRS89-H30-0534-7-7-COB3-V1.tif	COG	2026	0.50 m	71.62		



The screenshot shows the 'Download Center' interface for a specific product. The breadcrumb trail is 'Products Catalogue / National Topographic Maps / MTN25 vector / 0579-2 Sotillo de la Adrada'. The product title is '0579-2 Sotillo de la Adrada'. Below the title, there's a map showing the location of the product. To the right of the map, the following details are listed: 'Serie: MTN25 vector', 'File: A0579-2_30_D03.DGN', 'Date: 30/09/2021', 'Scale: 25000', 'Size: 1.68 (Mb)', 'Format: DGN', 'GRS: ED50 or ETRS89 (according to the date on the sheet) in the Spanish Peninsula, Balearic Islands, Ceuta and Melilla, and REGCAN95 for the Canary Islands. UTM projection in the corresponding zone.', and 'Download unit: MTN25 sheet.'. At the bottom right, there are links for 'Auxiliary Information', 'More information', 'On-line Shop', and 'License'.

Please remember that without registering, you can only download a maximum of 20 products. If you attempt to exceed this limit, the following message will appear: “This operation exceeds the limit of files allowed in the download basket for unregistered users (20). Please register to continue with this operation.”

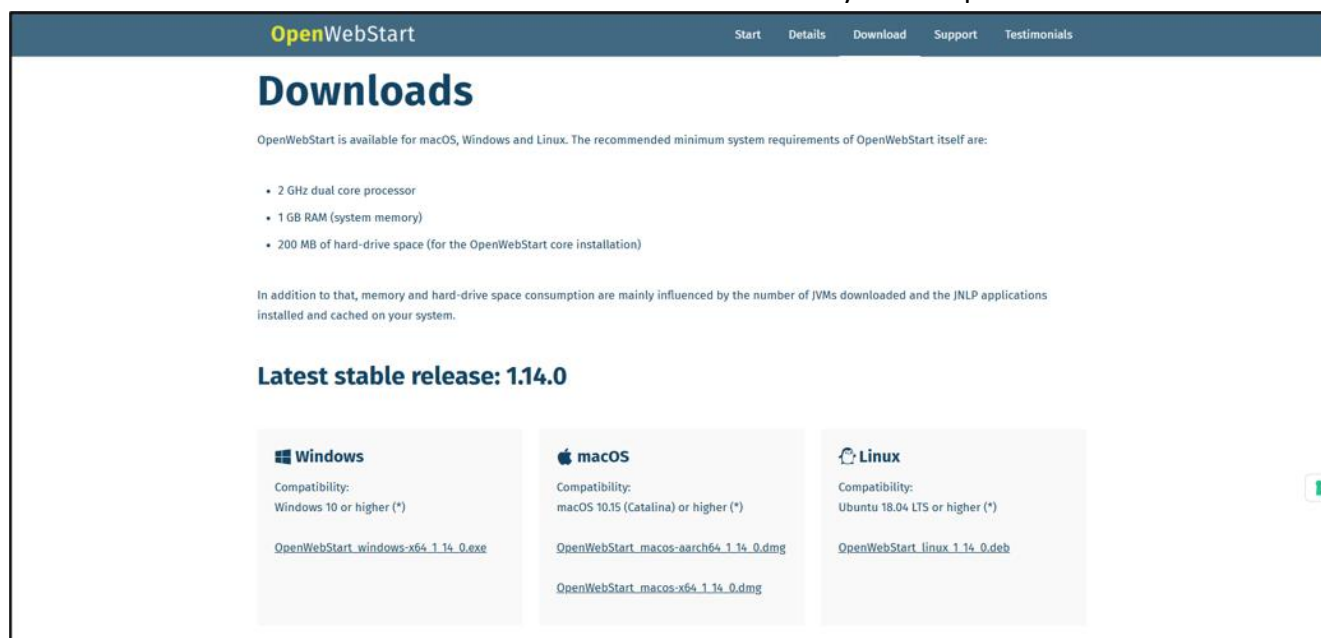
This message will only appear twice during your session: either when you add more than 20 files

consecutively from a product listing or when you check the product basket, and it exceeds this limit. The bulk download of files from the Download Center is performed using an Open Web Start application (.JNLP file) that runs on your computer, rather than in the browser. This approach helps avoid compatibility issues that can arise between Java applications and certain web browsers. Therefore, to perform bulk downloads from the Download Center, you must have Open Web Start installed on your device. This Open Web Start is based on Java 17.

Open Web Start Installation

1. Go to the Official Open Web Start Download Page

Visit the official Open Web Start download page at <https://openwebstart.com/download/> and click the “Download Java” button. An .exe file will be downloaded to your computer.

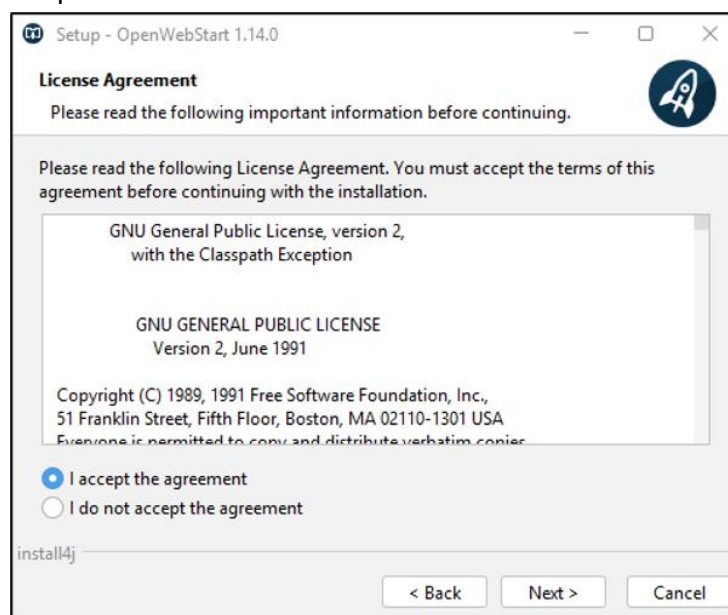


2. Run the Installer

To install Open Web Start, locate the downloaded .exe file and double-click to open it.

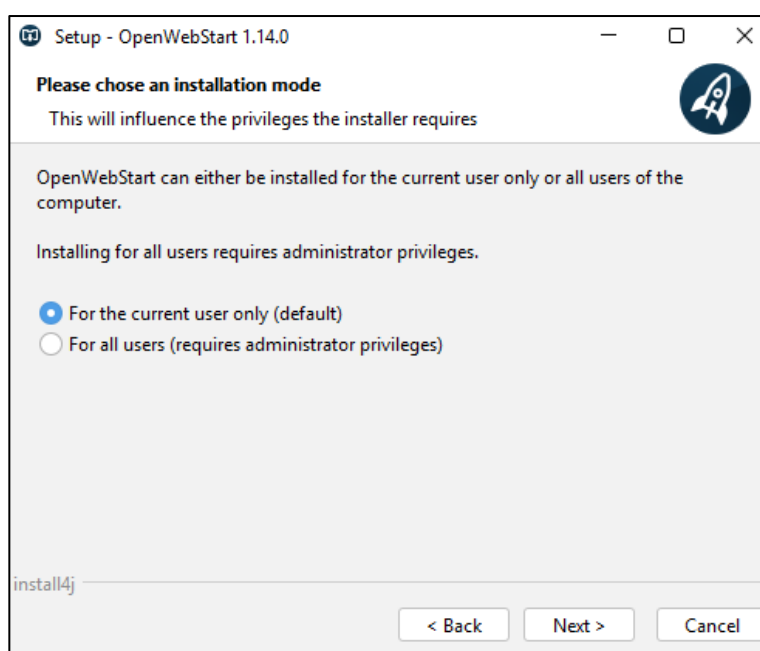
3. Start the Installation

When the installation process begins, select your language (English or German) and then click the Install button to accept the license terms and continue.

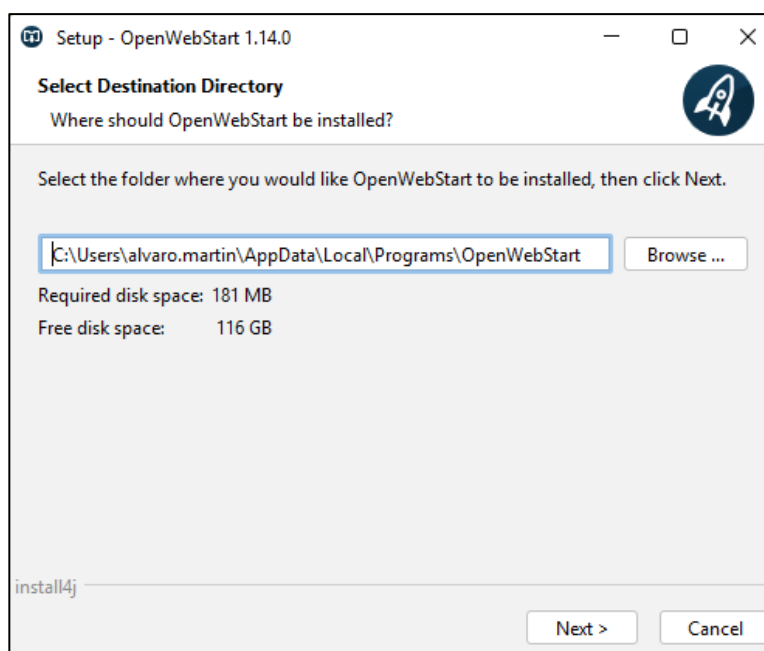


4. Complete the installation

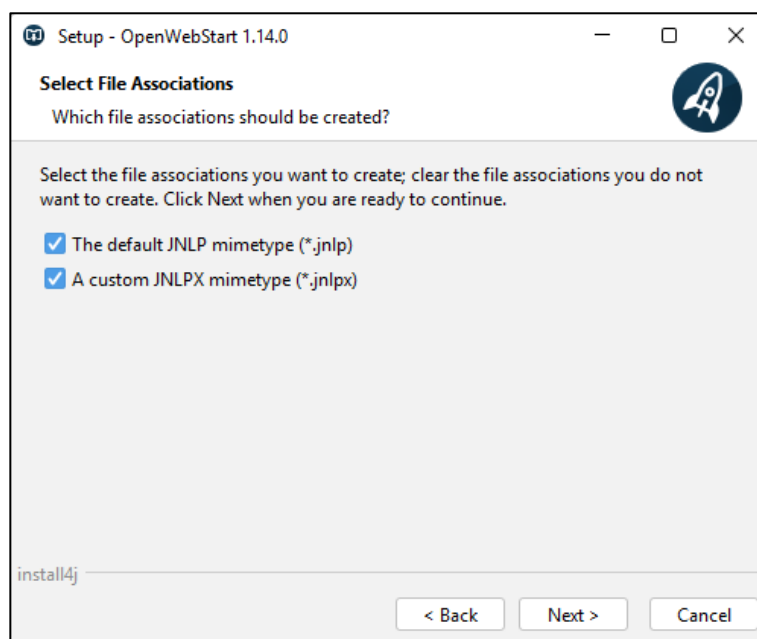
Next, you must decide whether to run the Open Web Start installation as an administrator or to run it only for the current user (the default option).



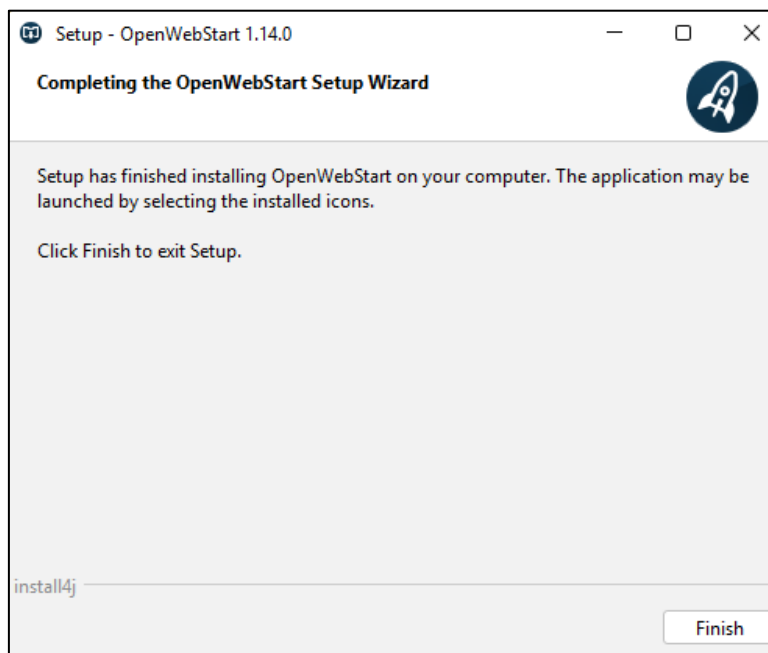
Next, you must specify the folder where you want to install Open Web Start.



Next, select the file associations you wish to create. By default, the options for .JNLP and .JNLPX files remain selected.

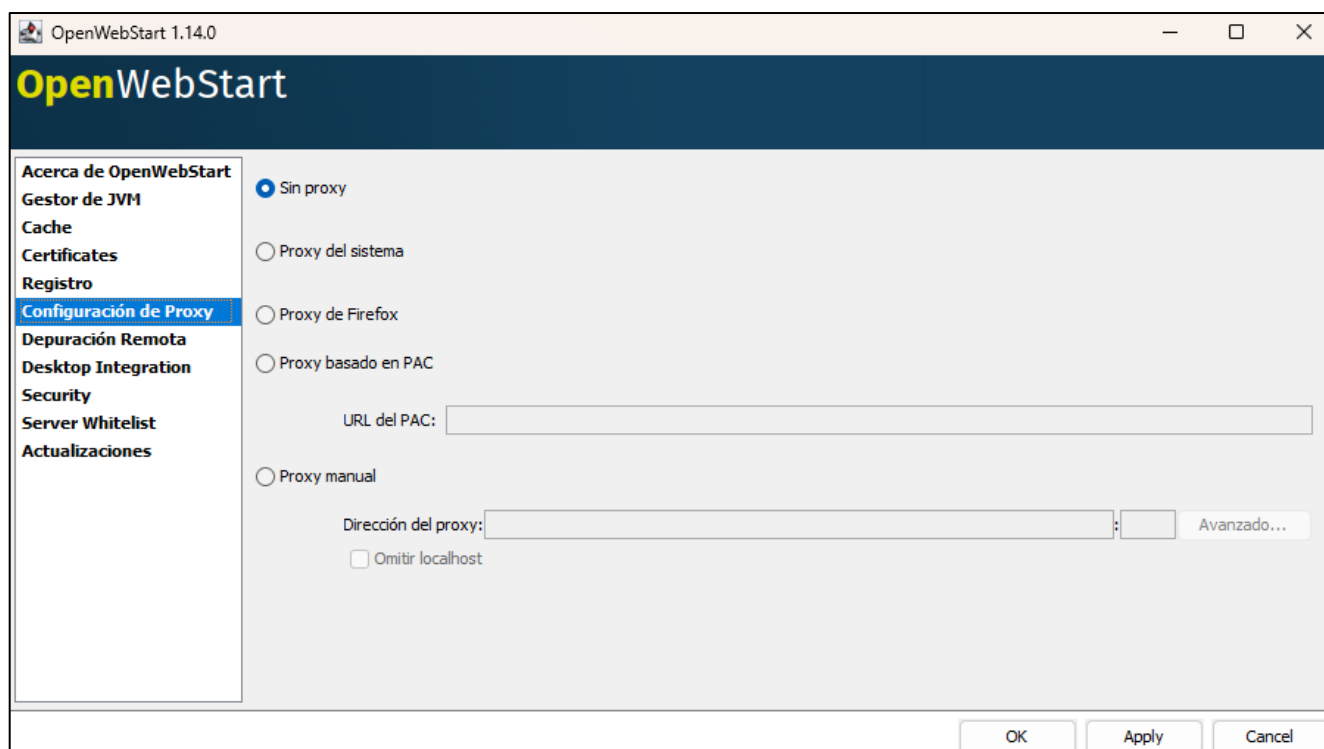


Finally, click Close in the last dialog box. This action completes the Open Web Start installation process.



5. Open Web Start configuration

Locate "OpenWebStart Settings" using the file explorer. Then, in the "Proxy settings" section, select the "No proxy" option to ensure that all JNLP file downloads execute correctly. No changes are required for the rest of the settings.



Bulk Download from the Download Center

Once you have selected the products and are on the Product Basket page, you have reached the final step of the product download process.

Download Center
National Geographic Institute
Autonomous Body National Center for Geographic Information

Home Catalogue Search Data policy Help News Eclipse trio

Basket product

Add more products Empty cart Start download

Product	File	Format	Size (MB)	Delete
MDT50 cm - 3ª cobertura	MDT50CM-ETRS89-H30-0534-4-5-CO83-V1.tif	COG	82.09	
MDT50 cm - 3ª cobertura	MDT50CM-ETRS89-H30-0534-5-7-CO83-V1.tif	COG	76.01	
Mapa LIDAR - 2ª Cobertura	MAPALIDAR-CO82-H30-0534.ECW	ECW	37.11	

On this page, you can choose to add more products to download, empty the download basket, or delete any products in the basket. However, if you want to download all the files, you must click on the “Start Download” button.

Afterward, you will have the opportunity to complete a survey regarding the use of geographic information. In this survey, you will indicate your user profile, evaluate the data, specify the thematic areas of the data you wish to download, and describe its intended use and dissemination.

Download Center
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Home Catalogue Search Data policy Help News Eclipse trio

Usage of the geographical information survey

Please fill in the following survey to improve our services:

1. USER

Profile* Country Province*

Profile* Country Province*

2. DOWNLOADED PRODUCTS

Subject area*

☐ Agriculture
☐ Cadastre
☐ Demography
☐ Environmental
☐ Geology
☐ Hydrology
☐ Mapping
☐ Oceanography / Costs
☐ Sociology
☐ Transport and Logistics

☐ Archaeology and temporal studies
☐ Climate Change
☐ Education
☐ Forestal / Fauna
☐ Geophysics
☐ Infrastructure and Civil Engineering
☐ Marketing
☐ Research, Science and Innovation
☐ Soil (Soil Science)
☐ Tourism and Leisure Time

☐ Arts and Culture
☐ Defence and security
☐ Energy and Mineral Resources
☐ Geography
☐ Health
☐ Legal
☐ Navigation and Location
☐ Risk Areas / Civil Protection
☐ Telecommunications
☐ Urban Planning and Demography, urban sprawl

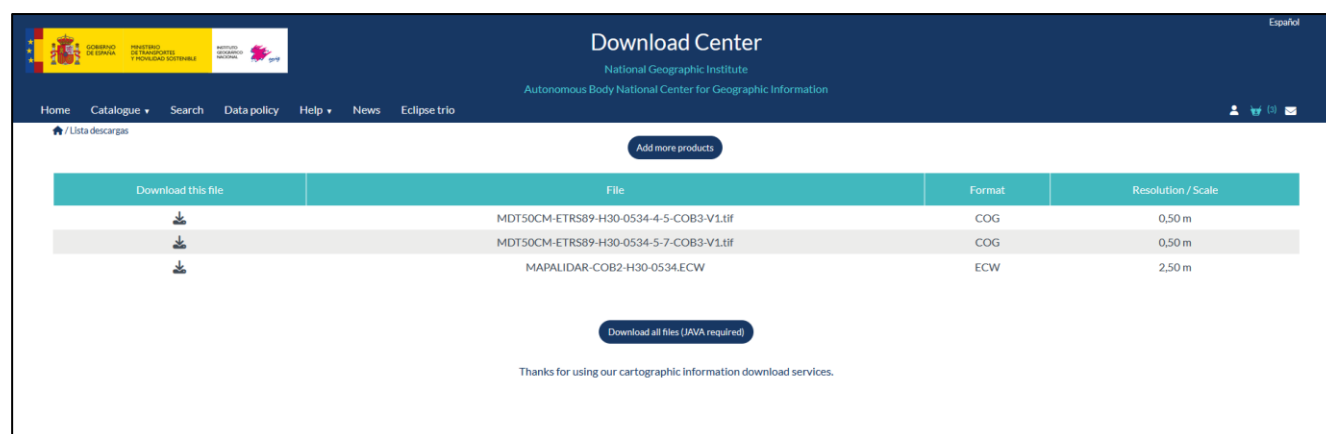
Scope

Description of intended use for the downloaded files*

Intended use for download

You would then click the “Submit survey and start download” button. If you do not wish to participate in the survey, click the “Do not send and continue downloading” button. Both buttons are located at the bottom of the website.

Finally, a confirmation screen will appear displaying the files pending download, along with a summary of your basket. To complete the process, click the “Download All Files (uses Java)” button. If you want to add more products, you can do so by clicking the button labeled “Add More Products”.



Download this file	File	Format	Resolution / Scale
	MDT50CM-ETRS89-H30-0534-4-5-COB3-V1.tif	COG	0,50 m
	MDT50CM-ETRS89-H30-0534-5-7-COB3-V1.tif	COG	0,50 m
	MAPALIDAR-COB2-H30-0534.ECW	ECW	2,50 m

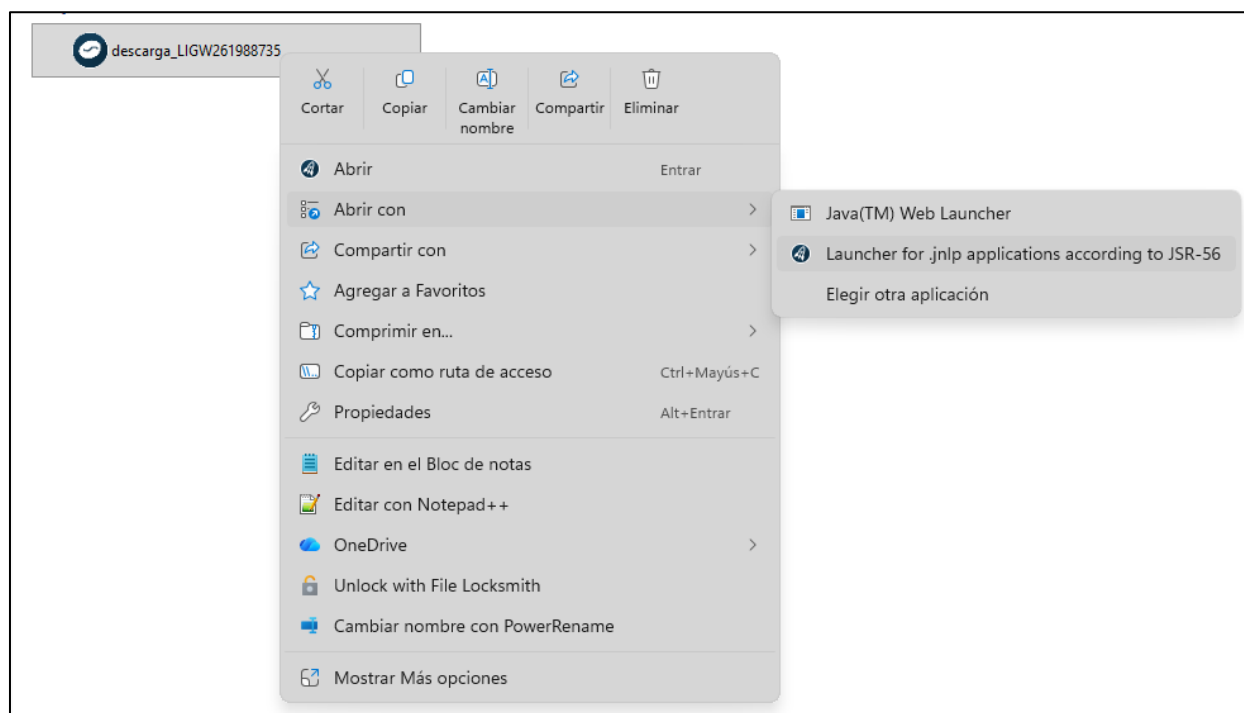
[Download all files \(JAVA required\)](#)

Thanks for using our cartographic information download services.

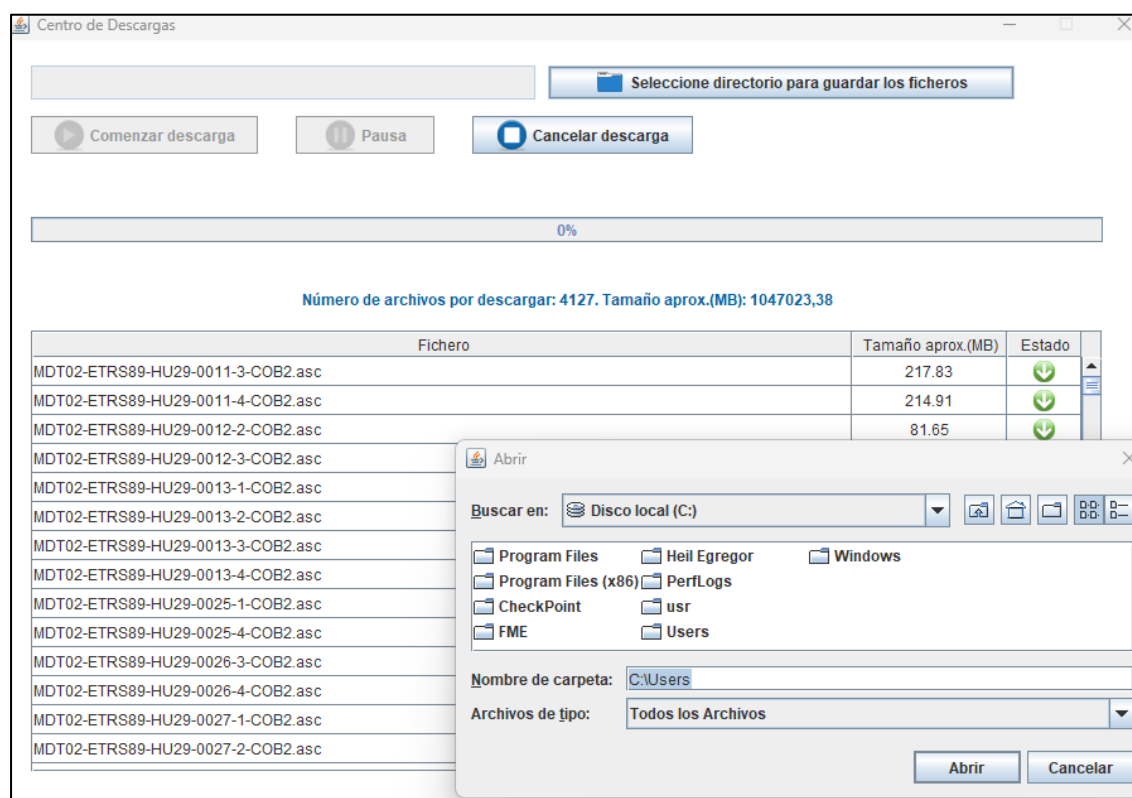
Once the download is complete, you will be able to see the file with the .JNLP extension in your browser.



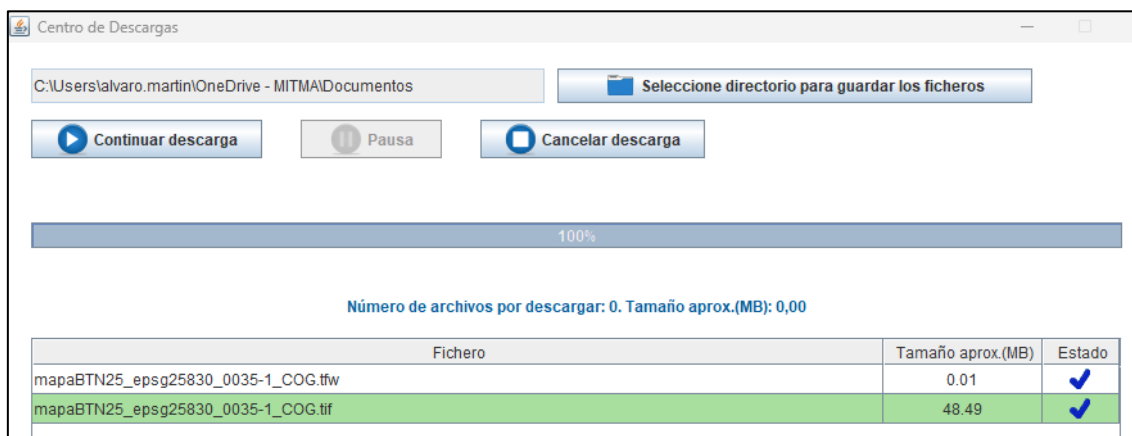
Open the file by double-clicking it directly or by selecting "Open with" and the option "Launcher for .JNLP applications according to JSR-56."



The automatic download application will open. Select a directory where you want to store the downloaded files and click the “Start Download” button. Note: Ensure you have the necessary permissions for the destination path. For example, in the latest versions of Windows, you cannot copy files to the root directory (C:/).

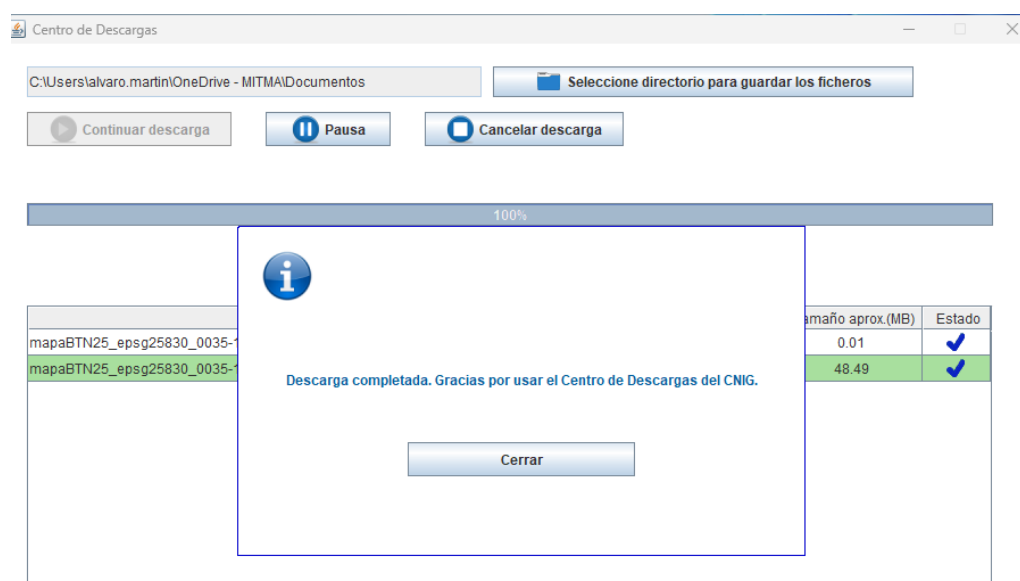


Now that the download has started, an icon  will appear for each downloaded file, indicating whether the file has been successfully downloaded. Additionally, the progress bar will show the percentage of the download that remains.



In the event of a failed download, a symbol  will appear in the Status column to indicate the issue. The application will notify you upon the completion of the download process.

If an error occurs during the download, you will have the option to retry the download or report the failed file in the case of a broken link.



Most Common Solutions to Mass Download Errors

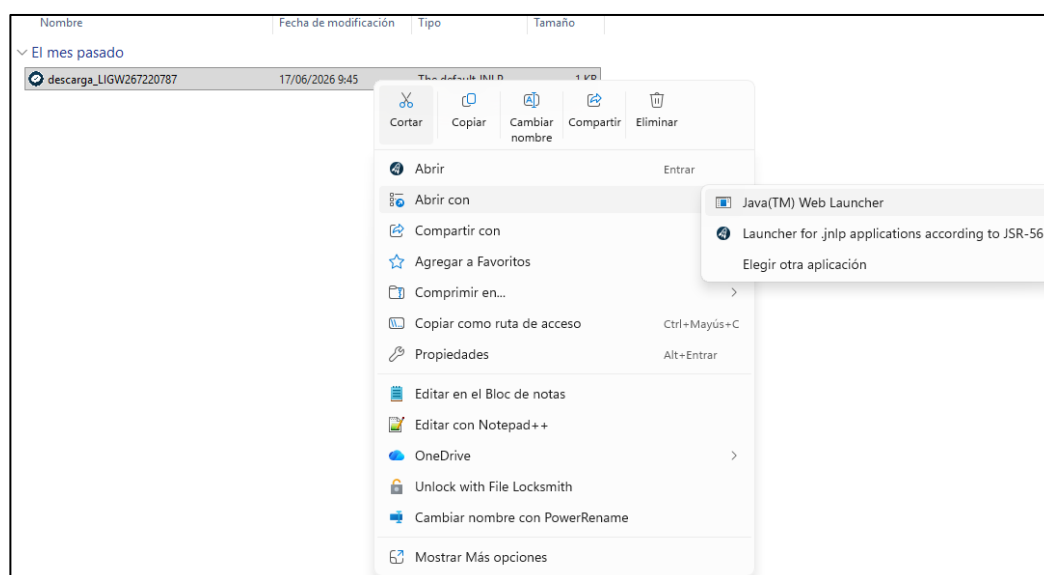
Destination Path

You may not have the necessary permissions for the destination path. For example, in the latest versions of Windows, you cannot copy files to the root directory (C://). Try saving to a different target path.

Problem with Opening .jnlp File

If you downloaded a JNLP file from our Download Center prior to September 24, 2026, at 12:00 p.m., please note that it cannot be opened using Open Web Start. You must open it using the older Oracle Java (version 1.8 or earlier); otherwise, the program will close automatically, preventing you from downloading any files.

Simply right-click the file, select "Open with," and choose the "Java™ Web Launcher" option. You will then be able to download any previously saved files.



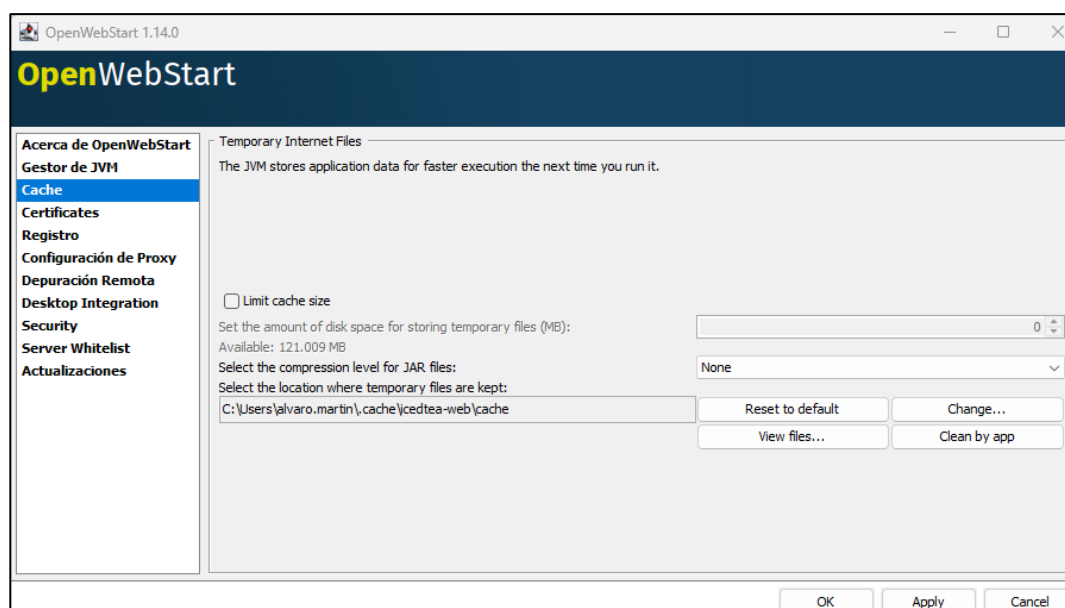
If the file was downloaded after September 24, 2026, at 12:00 p.m., and cannot be opened, you likely need to update the version of Open Web Start installed on your computer. Remember that you can select the "Check for OpenWebStart updates automatically" option under the "Updates" tab in OpenWebStart Settings.

If the issues persist, we recommend uninstalling the entire Open Web Start directory from your computer and then attempting the download again.

Lack of Storage Space

To resolve the lack of storage space in OpenWebStart, you must clear the cache of accumulated JNLP applications or change the storage limit via the configuration console.

In the "Cache" tab of OpenWebStart Settings, click the "View files" button and then press the "Purge" button.





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