

# Using the GoGeo portal to access and download a spatial dataset from the ShareGeo Open Repository

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The place to discover geospatial information and services for those in education and research

GIS Resources

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Simple Search

What?  Go

Restrict search to UK

Where?  Go

Powered by **Unlock**

Advanced Search

Define your area of interest on a map, select a date, target your search against specific catalogues and more

International Gateway

Visit other countries' geospatial portals  
Discover data beyond the UK

News

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Annotation tools have been added to Digimap Roam. These allow users to quickly and easily make custom maps by adding poi more details ...

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JISC

## Using the GoGeo portal to access and download a spatial dataset from the ShareGeo Open Repository

**Exercise 1:** The intent of this exercise is to demonstrate the benefits of the GoGeo portal, geospatial metadata and the ShareGeo data repository to those using spatial data in academia.

### Locating and downloading a spatial dataset using the GoGeo portal and ShareGeo Open.

- 1) Go to the GoGeo main search page: <http://www.gogeo.ac.uk/>
- 2) We are going to search and find a spatial dataset titled the following: **CORONA Satellite Image of Area from Afon (River) Tawe to Talgarth, Wales.**

Do a quick data search with GoGeo and type **CORONA** in the 'What?' field and **Talgarth** in the 'Where?' field.


As **Talgarth** is entered into the field, please note that the **Unlock** drop-down list appears with the **Talgarth** placename. **Unlock** will display multiple areas sharing similar placenames with **Talgarth**.




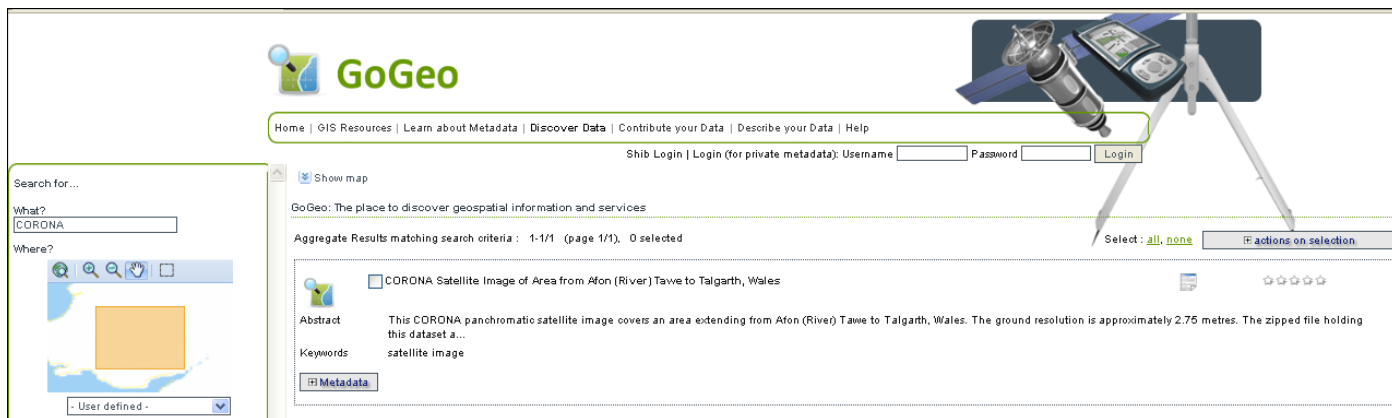
**Unlock** is a middleware gazetteer installed in the GoGeo portal to facilitate searches for all placenames in Great Britain.

A screenshot of the GoGeo portal's search interface. The page has a green header with the 'GoGeo' logo and navigation links: Home, GIS Resources, Learn about Metadata, Discover Data, Contribute your Data, Describe your Data, and Help. Below the header is a 'Latest News' section with a banner that reads 'The place to discover geospatial information and services for those in education and research'. The main content area is divided into two columns. The left column contains navigation icons and links for 'GIS Resources', 'Learn about Metadata', 'Discover Data', 'Contribute your Data', and 'Describe your Data'. The right column features a search form with 'What?' and 'Where?' fields. The 'What?' field contains 'CORONA' and the 'Where?' field contains 'Talgarth'. A dropdown menu is open under 'Where?', showing search results from the 'Unlock' gazetteer: 'Talgarth, United Kingdom towns (-3.2308, 51.9930) Powys', 'Talgarth, United Kingdom village or hamlet (-3.2284, 51.9952) Powys - Powys', and 'Talgarth's Well, United Kingdom village or hamlet (-4.2730, 51.9930)'. There are 'Go' buttons next to both search fields. To the right of the search form is a sidebar with a 'News' section containing articles like 'Maps and Society - 26th May', 'GIS Open Source Summer School 2011', and 'Stereoscopy helped win the war'. At the bottom of the sidebar is a 'Putting places on the map' section with the 'Unlock' logo and social media icons for Twitter, RSS, Facebook, and a chat bubble.

- 3) Please select the first value which appears at the top of the list, then click either **Go** button to initiate the search.

4) The 'What' and 'Where' keyword values entered on the GoGeo portal's home page should result in the return of this metadata record from the GoGeo catalogue. This includes the title, and to the left, the extent of the area of the CORONA satellite image dataset displayed on a map inset. Click the 'zoom in' icon  to provide more detail on the map.

5) Next, click the plus sign in this metadata button  to expand metadata record.



6) This is a screenshot segment of the metadata record for the **CORONA Satellite Image of Area from Afon (River) Tawe to Talgarth, Wales**. Scroll down to view more of the metadata record, which provides a description, spatial and temporal extents, processing steps, lineage, contact details and access information for the dataset.



GoGeo

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Search for... CORONA

Where? [Map]

Search

Reset Advanced Options

Datasets

- Maps & graphics
- Other information resources
- agmap
- International

GeRS

- CORONA Satellite Image of Area from Afon (River) Tawe to Talgarth, Wales
- Population Density Dataset for the Jazira Region of Syria
- Land use Dataset for the Jazira Region of Syria
- DS 1:250,000 Scale Colour Raster (Scotland)
- Precipitation and Temperature monthly values (1963) for al-Qamishi, Syria
- Precipitation and Temperature monthly values (1963) for Dayr az-Zawr, Syria
- Precipitation and Temperature monthly values (1963) for al-Hasakah, Syria
- Quickbird Satellite Image for Small Area in the Jazira Region of Syria
- KI-4B CORONA Satellite Panchromatic Image for a Partial Area Extending across the Syrian and Turkish Border in the Al-Jazirah Region of Syria
- KI-4B CORONA Satellite Panchromatic Image for a Partial Area Extending across the Syrian and Turkish Border in the Al-Jazirah Region of Syria

Show map

Constraints

Use Constraints

There are no restrictions on the use of data received from the U.S. Geological Survey's Earth Resources Observation and Science (EROS) Center or NASA's Land Processes Distributed Active Archive Center (LP DAAC), unless expressly identified prior to or at the time of receipt. Depending on the product source, USGS requests that the following statements be used when citing, copying, or reprinting data: Data available from the U.S. Geological Survey.

Spatial resolution

Resolution

Equivalent scale

Representative fraction

Denominator

0

Spatial resolution

Resolution

Spatial Resolution (metres)

Units of measure

metres

Spatial Resolution (metres)

2.76

Dataset Language

English

Topic category

Imagery base maps earth cover

Extent information

Geographic element

Geographic bounding box

West bounding longitude

-3.69590

East bounding longitude

-3.12870

North bounding latitude

52.03400

South bounding latitude

51.81600

7) Find the **'Distribution Information'** section in the metadata record and then locate the **'Resource Locator'** element. Its element field contains a URL value. Click the URL to gain direct access to the CORONA satellite image dataset via the ShareGeo Open repository.

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Home | GIS Resources | Learn about Metadata | Discover Data | Contribute your Data | Describe your Data | Help

Search for... CORONA

Where? [Map]

Search

Reset Advanced Options

Datasets

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Show map

Distribution Information

Distribution

Distributor

Distributor contact

Responsible party

Organisation name

EDINA

Contact information

Contact

Telephone

Telephone number

+44 (0)131 651 1443

Facsimile number

+44 (0)131 650 3308

Address

Full postal address

The University of Edinburgh, Causewayside House, 160 Causewayside

City

Edinburgh

Postal code

EH9 1PR

Country

Scotland

Email address

[tony.mathys@ed.ac.uk](mailto:tony.mathys@ed.ac.uk)

Website

Web address

<http://edina.ac.uk/>

Responsible party role

Distributor: Party who distributes the resource

Distributor format

Format

Data Format

Geotiff ("tif")

Version

1.0

Distributor transfer options

Digital transfer options

Transfer size

70.72

OnLine resource

Resource Locator

<http://www.sharegeo.ac.uk/handle/10872/119>

Offline

Medium

Name

Online: Direct computer linkage

- 8) Click the Download icon. This will initiate the download of the dataset file in a zipped GeoTiff format. The dataset is now available for you to open in a GIS, or a software package for processing satellite imagery.

The screenshot shows the ShareGeo Open website interface. At the top, there is a navigation bar with the ShareGeo Open logo on the left and the EDINA logo on the right. Below the navigation bar, there is a breadcrumb trail: Home > ShareGeo > Open > View Item. On the right side of the navigation bar, there are links for Help, About, Contact Us, and Login.

The main content area is divided into two columns. The left column contains a search bar and several navigation menus: Search ShareGeo, Geo Search, Advanced Geo Search, Browse (with sub-links for All of ShareGeo, By Issue Date, By Depositor, Titles, and Subjects), My Account (with sub-links for Login, Register, and Contribute), and Statistics (with a sub-link for View Statistics).

The right column displays the details for a dataset titled "CORONA Satellite Image of Area from Afon (River) Tawe to Talgarth, Wales". Below the title is a link to "Show full item record". The dataset details are as follows:

<b>Title:</b>	CORONA Satellite Image of Area from Afon (River) Tawe to Talgarth, Wales
<b>Depositor:</b>	Mathys, Tony; University of Edinburgh
<b>Abstract:</b>	This CORONA panchromatic satellite image covers an area extending from Afon (River) Tawe to Talgarth, Wales. The ground resolution is between 2 to 3 metres. The dataset also includes a screenshot showing image footprint, which corresponds to the full extent of the captured images. There are four image segments associated with this footprint (DS1104-1043DF002_2a, DS1104-1043DF002_2b, DS1104-1043DF002_2c and DS1104-1043DF002_2d). The image files ending in '1a' and '1b' have not been processed as there is 90 percent cloud cover associated with these images. This image (DS1104-1043DF002_2c) has been clipped as one-third of the image has over 90 percent cloud cover; this segment of the image has about 30 percent cloud cover. Please note that the spatial accuracy is not reliable and may need to be geo-referenced again, though this was done to situate the image over the corresponding ground area. Users of this image will be able to identify areas using built environments and features of the physical landscape.
<b>Lineage:</b>	This image was cropped to remove scanned negative border, and then geo-referenced in ArcGIS 9.3 using vector data from Digimap OpenStream. This CORONA satellite image was made available from the U.S. Geological Survey.
<b>URI:</b>	<a href="http://hdl.handle.net/10672/119">http://hdl.handle.net/10672/119</a>
<b>Date:</b>	2011-01-13
<b>Format:</b>	GeoTIFF

Below the dataset details, there is a large blue arrow pointing down to a green button labeled "DOWNLOAD". Below the button, the size of the dataset is listed as "Size: 70.72 Mb".

Below the size, there is a text block stating "This data was deposited under the following agreement:" followed by a bullet point linking to "Depositors Agreement". Below this, there is another link to "Show full item record".

At the bottom of the page, there is a footer with the following text: ©University of Edinburgh, Accessibility, Terms of Use, Take Down Policy, and DSpace.

- 9) This completes the practical.