

Using the Geodoc Metadata Editor Tool to create a valid geospatial metadata record

Home > GeoDoc > Select a Record Type

Configure a new record

Choose a record type:



Create a UK Record:

Create an International Record:

Choose a metadata resource type:

Dataset / Series

Create Record

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

Home > GeoDoc > Metadata Creation

Metadata Creation

✘ Your AGMAP 2.1 record is currently invalid. Click [here](#) for an error summary.

What | Quality | Where / When | Who | Access | Creator

Extents of Dataset Based on Coordinates of Bounding Rectangle

North: Use Map

South:

East:

West:

Extents

United Kingdom
Great Britain
England
Northern Ireland
Scotland
Wales

Extents of Dataset Based on Coordinates of Bounding Polygon

Coordinates of a Bounding Polygon:

Extents of Dataset Based on Geographic Identifiers

Nations:

Gazetteer Place Name:

Vertical Extents of Dataset

Minimum Value:

Maximum Value:

Vertical CRS:

Temporal Extents of Dataset

Temporal Extent's Start Date: (YYYY-MM-DD)

Temporal Extent's End Date: (YYYY-MM-DD)

Save Valid Record | Save Partial Record

EDINA | Complaints Form | Contact Us | JISC

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Using the Geodoc Metadata Editor Tool to create a valid geospatial metadata record

Exercise 1: The intent of this exercise is to demonstrate the ease of creating, exporting and submitting a valid geospatial metadata record for publication on the GoGeo portal.

Creating, exporting and publishing a valid geospatial metadata record using the Geodoc Metadata Editor Tool.

1) Accessing GoGeo.

Go to the GoGeo main search page: <http://www.gogeo.ac.uk/>

2) Geodoc login.

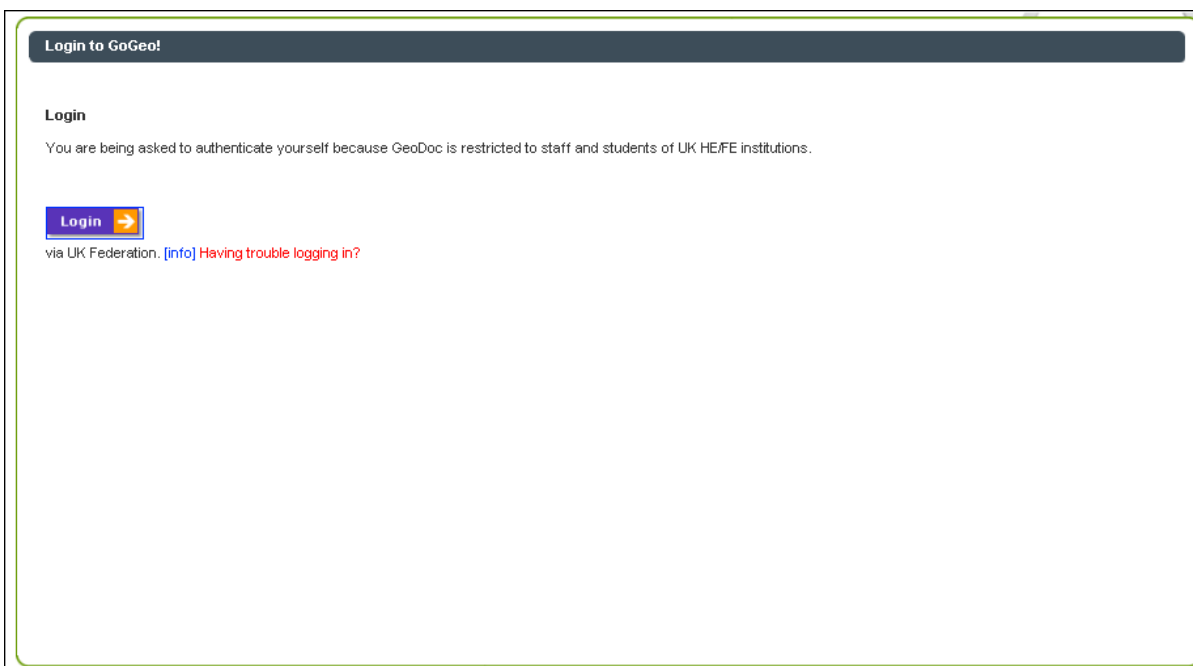
We are going to access the Geodoc Metadata Editor tool enter contact details into the MyGoGeo! form. This information is transferred into the corresponding fields when a new metadata record is created.

- a. Click the 'Describe your Data' text, or select to open panel with the Geodoc icon.

- b. Click the Geodoc icon.



- c. A window opens which displays the UK Federation login page. Please click the Login button.



- d. Start typing the name of your academic institution into the field, or click the '[Let me choose from a list](#)' text to open the drop-down list and scroll down to find your institution and select it.



- e. Select your institution and then click the '**Continue**' button  which appears to the right of the field.

This action opens your academic institution's login service web page as presented below for The University of Edinburgh EASE login service.

- You will need your username and password.

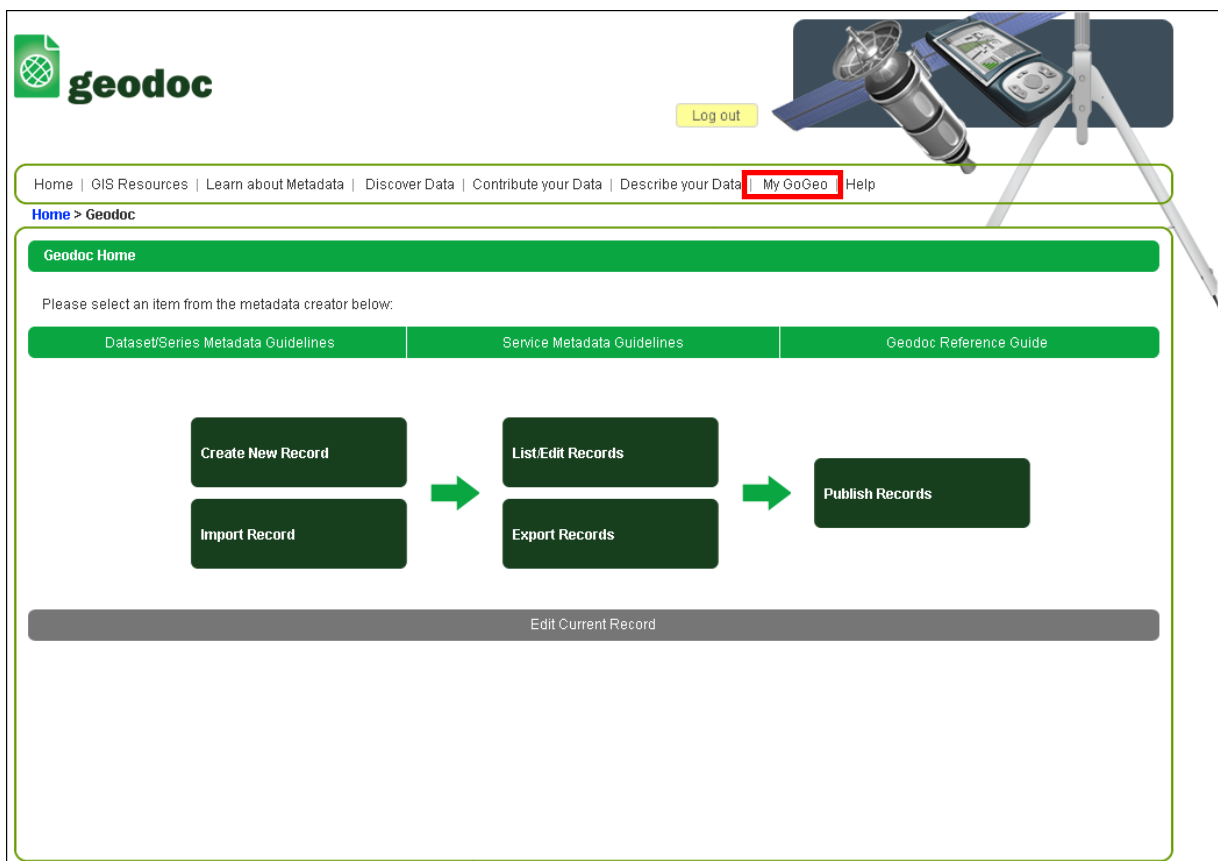
The screenshot shows the EASE login page for The University of Edinburgh. At the top, there is a navigation bar with the university logo and links for News, About, Studying, Research, Alumni, Business, Staff & students, Schools & departments. A search bar is also present. The main content area is titled 'EASE' and features a 'Login now' button. Below the login button, there is a 'Login now' button. To the right of the login form, there is an 'Info' section with a warning icon and a 'Help' section with a question mark icon and a list of links: 'Help logging in', 'Forgotten password?', 'Register with EASE', 'Create an EASE Friend account', 'What is EASE?', and 'I need help'.

- If you are unable to use the aforementioned institution's login, please select EDINA (trial only) for Organisation Name. An EDINA Identity Provider Login window will open where you can enter the username and password provided to you at the workshop.

The screenshot shows a page titled 'Select your home organisation' from The UK Access Management Federation. It features a 'Selection options' section with a message: 'The service you are trying to reach requires that you authenticate with your home organisation.' Below this, there is an 'Enter Organisation Name' section with a search bar containing 'ED' and a dropdown menu showing a list of institutions. 'EDINA (trial only)' is highlighted in blue. A 'Select' button is visible to the right of the dropdown.

The screenshot shows the 'EDINA Identity Provider Login' page. It features a header with the EDINA logo and navigation links: 'Help & Support', 'About', 'Feedback', and 'Contact'. Below the header, there is a message: '(The EDINA Identity Provider is for use by EDINA staff, for use on EDINA training courses and to access EDINA services by others allocated EDINA trial logins)'. A note states: 'EDINA staff, please use your EASE Credentials; Others, please use the credentials provided by EDINA'. There are input fields for 'Username' (containing 'etrain01') and 'Password' (masked with dots). A 'Login' button is located below the password field. At the bottom, there is a footer with the text: 'EDINA is a JISC National Data Centre based at the University of Edinburgh | Accessibility | Acknowledgements' and the JISC logo.

g. The Geodoc home page opens. Please click the **My GoGeo** login text found in top menu.



h. My GoGeo opens and a form appears with fields for entering your personal details. You are welcome to read the 'How we use your personal details'. You may also wish to remain anonymous and enter details as presented in the My GoGeo screenshot below

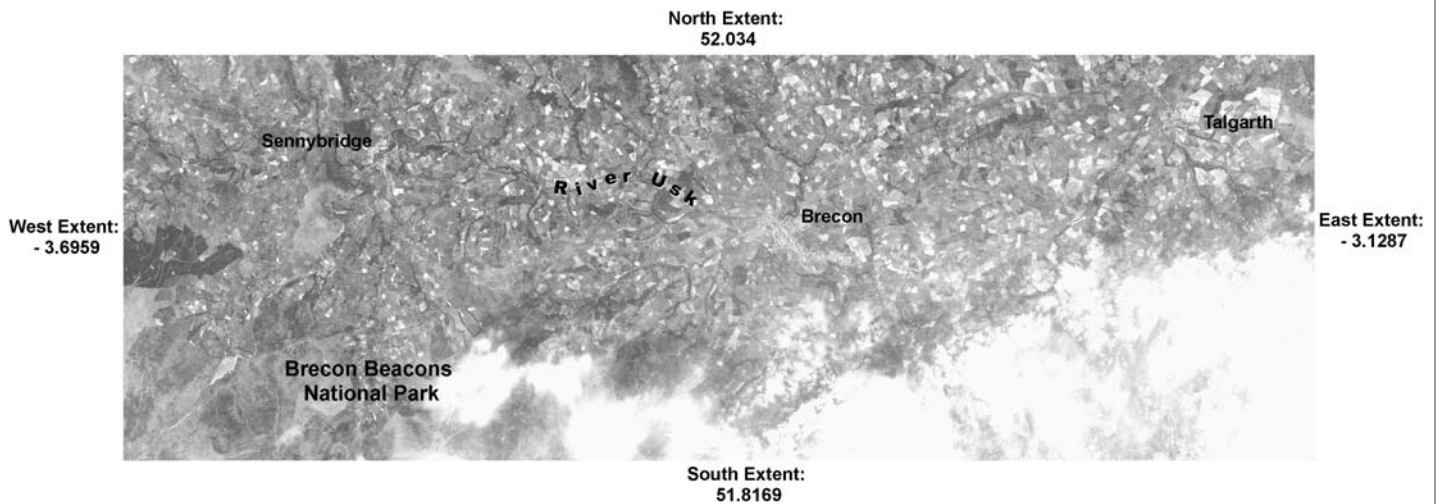
- i. Next, under the details form, please indicate which subsections of the Geodoc Metadata Editor tool should receive this information. This practical requires that you tick all three details boxes for *Custodian*, *Distributor* and *Metadata Creator*.
- j. Click the Update button.
- k. Now click the Geodoc button situated to the lower right of this form to return to the Geodoc Metadata Editor tool's home page.



The screenshot shows the Geodoc Metadata Editor tool's home page. At the top left is the Geodoc logo, which consists of a green globe icon followed by the word "geodoc" in a bold, lowercase, sans-serif font. To the right of the logo is a "Log out" button. Below the logo and button is a navigation menu with the following links: Home | GIS Resources | Learn about Metadata | Discover Data | Contribute your Data | Describe your Data | My GoGeo | Help. Below the navigation menu is a breadcrumb trail: Home > Geodoc. The main content area is titled "Geodoc Home" and contains the text "Please select an item from the metadata creator below:". Below this text are three green buttons: "Dataset/Series Metadata Guidelines", "Service Metadata Guidelines", and "Geodoc Reference Guide". In the center of the page is a workflow diagram with five dark green boxes connected by green arrows. The first box is "Create New Record", which has a sub-box "Import Record" below it. An arrow points from this box to a second box "List/Edit Records", which has a sub-box "Export Records" below it. An arrow points from this second box to a final box "Publish Records". Below the workflow diagram is a wide, dark grey button labeled "Edit Current Record".

3) Description of the spatial dataset to be documented with the Geodoc Metadata Editor tool.

Please read this two page description of the CORONA satellite image dataset.



Dataset's Description, Lineage and Temporal Extent

More than 860,000 images of Earth's surface were collected between 1960 and 1972 as part of the CORONA satellite photographic reconnaissance missions for the U.S. Directorate of Science and Technology. In 1995, these images were declassified and subsequently made available on the Earth Explorer (<http://edcns17.cr.usgs.gov/NewEarthExplorer/>) interactive online query system which provides a wide range of Earth data and metadata for users.

CORONA satellite cameras generated film negatives and these were subsequently processed to create high resolution black and white positive images. When these images were declassified, the U.S. Geological Survey (USGS) scanned the negatives at high resolution and saved them as *.tif files for download on Earth Explorer. None of the CORONA image files available on Earth Explorer has been geo-referenced.

This image file (DS1104-1043DF002_2c.tif) was initially captured during the CORONA J-1, KH-4a reconnaissance missions and represents one of four image frames associated with a single swath which provides a nominal ground coverage of 17 x 232 km. This CORONA image's ground coverage is approximately 17 x 38 km. This is attributed to cropping about one-third (20 km) of the image's eastern extent due to 100 percent cloud cover. This in turn reduces this dataset's file size. Approximately 20 to 30 percent of this image contains significant cloud cover.

Other image files associated with this swath includes DS1104-1043DF002_2a.tif, DS1104-1043DF002_2cb.tif and DS1104-1043DF002_2d.tif

The satellite captured this CORONA image on 10 August 1968. The image extends across an area of Wales which includes the Town of Talgarth to the east and the Town of Sennybridge to the west. The Town of Brecon, and parts of the River Usk and Brecon Beacons National Park fall within this image's area.

This dataset was downloaded from Earth Explorer for the purpose of comparing changes to land use patterns between the years 1968 and 2011.

Dataset's Processing and Quality Statement

This CORONA satellite image was cropped using GIMP software to remove the original negative's film strip border which USGS had scanned with the image. A further one-third (20 km) of the image's eastern extent was cropped due to 100 percent cloud cover over the area.

The image was then geo-referenced in ArcGIS 9.3 using control points and co-ordinates taken from GoogleEarth. Road junctions and river conjunctions were used as corresponding reference points for capturing co-ordinate values (decimal degrees). The image was projected to WGS84 and rectified using *.tif format with no compression.

A first-order or affine transformation was applied to the image. The Total Root Mean Square (RMS) error was 50.875.

The positional accuracy of this image is not reliable, and depending on the application, may need to be geo-referenced again.

The ground resolution, or ground scale distance for this image is 2.75 metres.

Dataset's Spatial Extent

Opening this geo-referenced *.tif file in a GIS would reveal the co-ordinate values for the extent of this CORONA image; however, for the purpose of this Geodoc exercise, the values are provided in decimal degrees adjacent the image provided above.

These values define the Minimum Bounding Rectangle (MBR) of this dataset, which facilitates the search for all datasets with overlapping extents. All geoportals will have this functionality built into the search architecture, hence allowing geoportal users to enter co-ordinate values for their areas of interest, hence discovering complementary datasets.

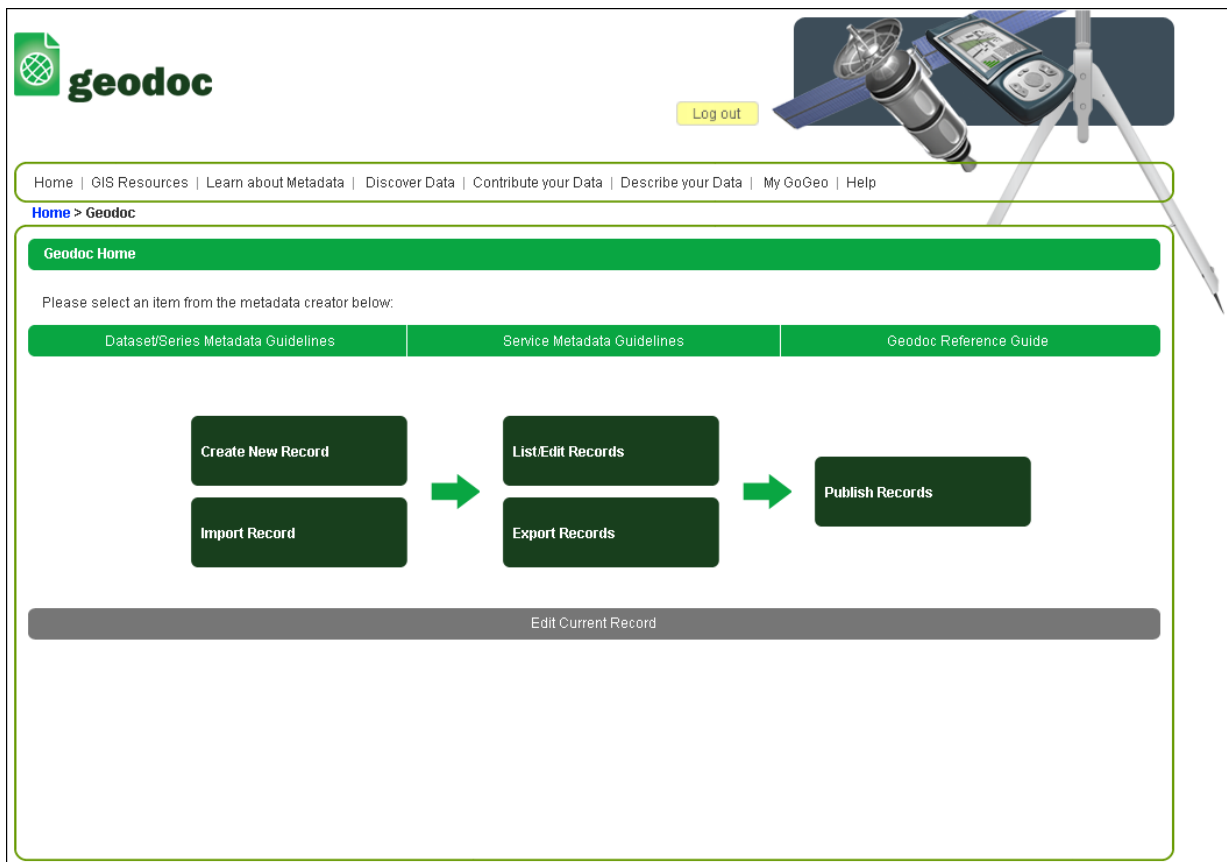
Dataset's Format

The CORONA image file (DS1104-1043DF002_2c.tif), which was rectified and exported to a *.tif format, was zipped with its *.aux header file, which holds the projection, co-ordinate and transformation information. The zipped file was then uploaded to the ShareGeo Open repository. Direct online linkage to this file is <http://www.sharegeo.ac.uk/handle/10672/119>

**Please note that attached to the back of this practical is a PDF output of a metadata record example for the CORONA image dataset if you wish to compare the information you enter into Geodoc with this record.

4) Overview of the Geodoc home page.

The Geodoc home page provides access to a range of functions for creating, editing, exporting and publishing your geospatial metadata record(s). The home page also provides links to the UK AGMAP 2.1 guidelines for datasets/dataset series and geo ‘services’, and to the Geodoc reference guide. Please take a moment to open and review these documents.



5) Metadata record creation.

Create New Record

Click the ‘Create New Record’ button.

A ‘Geodoc Terms & Conditions’ window will open; please click the ‘Accept’ button. A new page will open and select the ‘Create a UK Record’ option and then click the ‘Create Record’ button.




Home > GeoDoc > Select a Record Type


Configure a new record

Choose a record type:

Create a UK Record:



Create an International Record:



Choose a metadata resource type:

- a. Go to the “**Who, Access or Creator**” tabs and you will see the relevant fields populated with the information you entered on the ‘My GoGeo’ form.

Home > Geodoc > Metadata Creation

Metadata Creation

✘ Your AGMAP 2.1 record is currently invalid. Click [here](#) for an error summary.

What
Quality
Where / When
Who
Access
Creator

Responsible Party Title / Role:

Name:

Address:

City/Town:

Postal Code:


Country:

Telephone No:

Fax No:

Email Address:

Web Address:

- b. Now open the form under the ‘**What**’ tab and create a geospatial metadata record referencing the information provided for the CORONA satellite image. If you are uncertain about an element, please click the icon  to the left of the element name and a window will open which provides information for that element.
- c. Please enter information for the CORONA image dataset into the red-shaded fields. These are the mandatory fields which must have values entered for your metadata record to validate. The ‘**Title**’ field must have a minimum of 10 characters entered; the ‘**Abstract**’ field requires 100 characters.

Please note that for the ‘**GEMET Controlled Keywords**’ field that keywords entered must be in lower case. A list will appear as the keyword is typed in the field, and when displayed, point the cursor at the value and hit the enter key.

Entering a placename keyword in the ‘**Gazetteer Place Name**’ field under the ‘**Where/When**’ tab will trigger the same result, though for upper case can be used for these keywords.

**If at any time you need to pause, please save your partial record. The button for saving your partial record can be found at the bottom of the Geodoc form page. Geodoc metadata records are stored in a database which runs in a UNIX environment This requires underscores for spaces entered between words (e.g. CORONA_TalgarthWales).

Enter a name for your metadata record and click the ‘**Save record**’ button; this action will send you to the Geodoc’s **List/Edit Records** directory where you can select the record to open and continue with your practical.

Home > Geodoc > Save record

Save record

Please choose a name for your record: CORONA_TalgarthWales

Or overwrite an existing record: test

Save Record

Home > Geodoc > List/Edit Records

List/Edit Records

Record Name	Status	Resource Type	Date Created	Last Modified
CORONA_TalgarthWales.xml	PARTIAL	DATASET/SERIES	18/08/2011 14:45	18/08/2011 15:07

Edit Record or Delete Record

Download a zip file of AGMAP1 records

If you create more than one metadata record, a 'Select' column appears which allows you to select the record you wish to edit or delete.

Home > Geodoc > List/Edit Records

List/Edit Records

Record Name	Status	Resource Type	Date Created	Last Modified	Select
CORONA_TalgarthWales.xml	PARTIAL	DATASET/SERIES	18/08/2011 14:45	18/08/2011 15:11	<input type="radio"/>
CORONA_Image_Wales.xml	VALIDATED	DATASET/SERIES	18/08/2011 14:45	18/08/2011 15:12	<input type="radio"/>

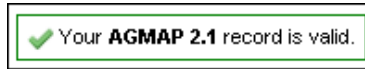
Edit Record or Delete Record

Download a zip file of AGMAP1 records

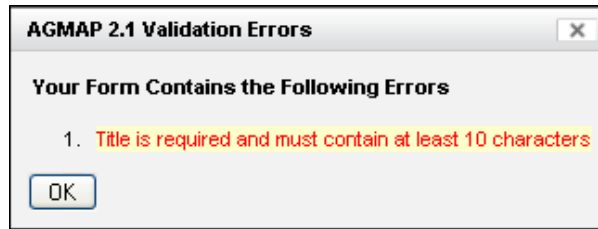
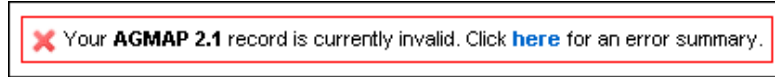
**Please note that metadata records created and stored within Geodoc are secure and accessible only to the user through the UK Federation authentication service.

6) Metadata Record Validation.

When all the red-shaded mandatory element fields have been completed, the validation status box at the top of the Geodoc form will change to indicate that the record is valid.



If the validation status bar is still red, please click the '[here](#)' text in the message box, and a window will open providing an error summary and showing which elements need to be addressed, which in this example below, the title requires more than 10 characters to validate.



- a. Once you have created a valid metadata record, please scroll down to the bottom of the page and save.


A screenshot of a web form titled "Save record" with a breadcrumb trail "Home > Geodoc > Save record". The form has a green header bar with the text "Save record". Below the header, there are two input fields: "Please choose a name for your record:" followed by an empty text box, and "Or overwrite an existing record:" followed by a dropdown menu showing "CORONA_TalgarthWales". At the bottom of the form is a "Save Record" button.

7) Export your Metadata Record.

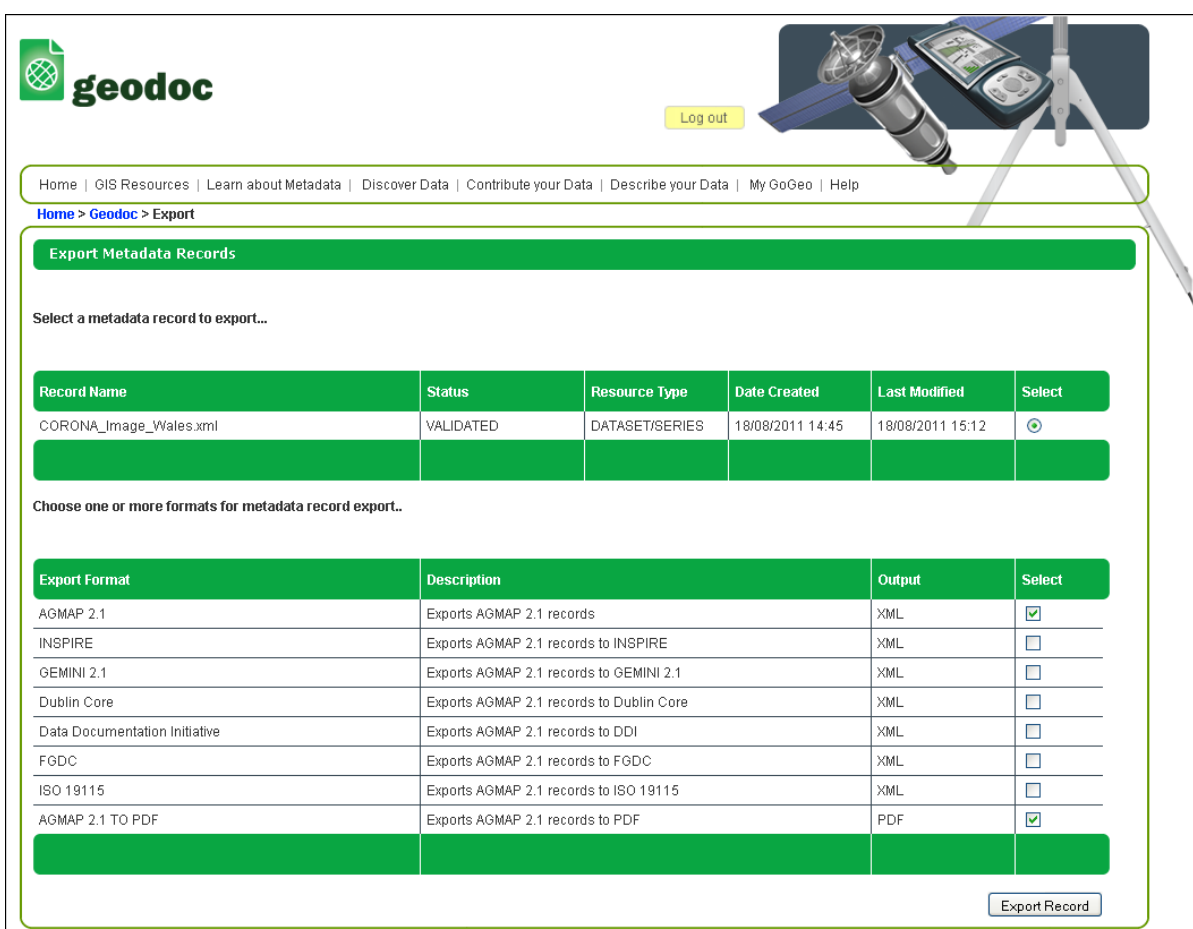
Click **Geodoc** in the above url '**Home > Geodoc > List/Edit Records**' to return to the Geodoc home page. Please click the '**Export Records**' button.

Export Records

This action opens the '**Export Metadata Records**' directory where valid metadata records appear for export. If your record does not appear here, please return to your '**Geodoc Edit**' directory. It is possible that your valid record was not saved correctly, and needs to be reopened and saved again?

Now select your metadata record for export, and under formats, please select the AGMAP 2.1 format with XML and PDF output. Click the '**Export Record**' button  at the bottom right of the Geodoc page and a download window will appear for your exported metadata record files, which are bundled with a format information file into a zip file.

Save the zipped file to a local directory and open this record for review.



geodoc

Log out

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

Home > Geodoc > Export

Export Metadata Records

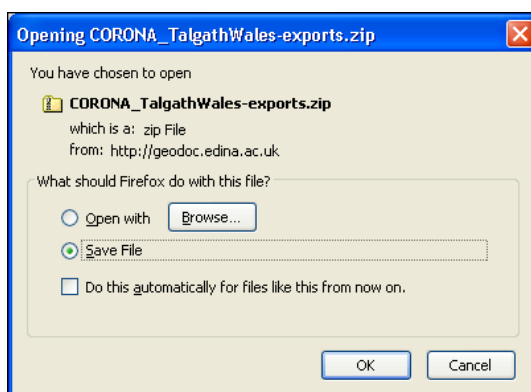
Select a metadata record to export...

Record Name	Status	Resource Type	Date Created	Last Modified	Select
CORONA_Image_Wales.xml	VALIDATED	DATASET/SERIES	18/08/2011 14:45	18/08/2011 15:12	<input checked="" type="checkbox"/>

Choose one or more formats for metadata record export..

Export Format	Description	Output	Select
AGMAP 2.1	Exports AGMAP 2.1 records	XML	<input checked="" type="checkbox"/>
INSPIRE	Exports AGMAP 2.1 records to INSPIRE	XML	<input type="checkbox"/>
GEMINI 2.1	Exports AGMAP 2.1 records to GEMINI 2.1	XML	<input type="checkbox"/>
Dublin Core	Exports AGMAP 2.1 records to Dublin Core	XML	<input type="checkbox"/>
Data Documentation Initiative	Exports AGMAP 2.1 records to DDI	XML	<input type="checkbox"/>
FGDC	Exports AGMAP 2.1 records to FGDC	XML	<input type="checkbox"/>
ISO 19115	Exports AGMAP 2.1 records to ISO 19115	XML	<input type="checkbox"/>
AGMAP 2.1 TO PDF	Exports AGMAP 2.1 records to PDF	PDF	<input checked="" type="checkbox"/>

Export Record



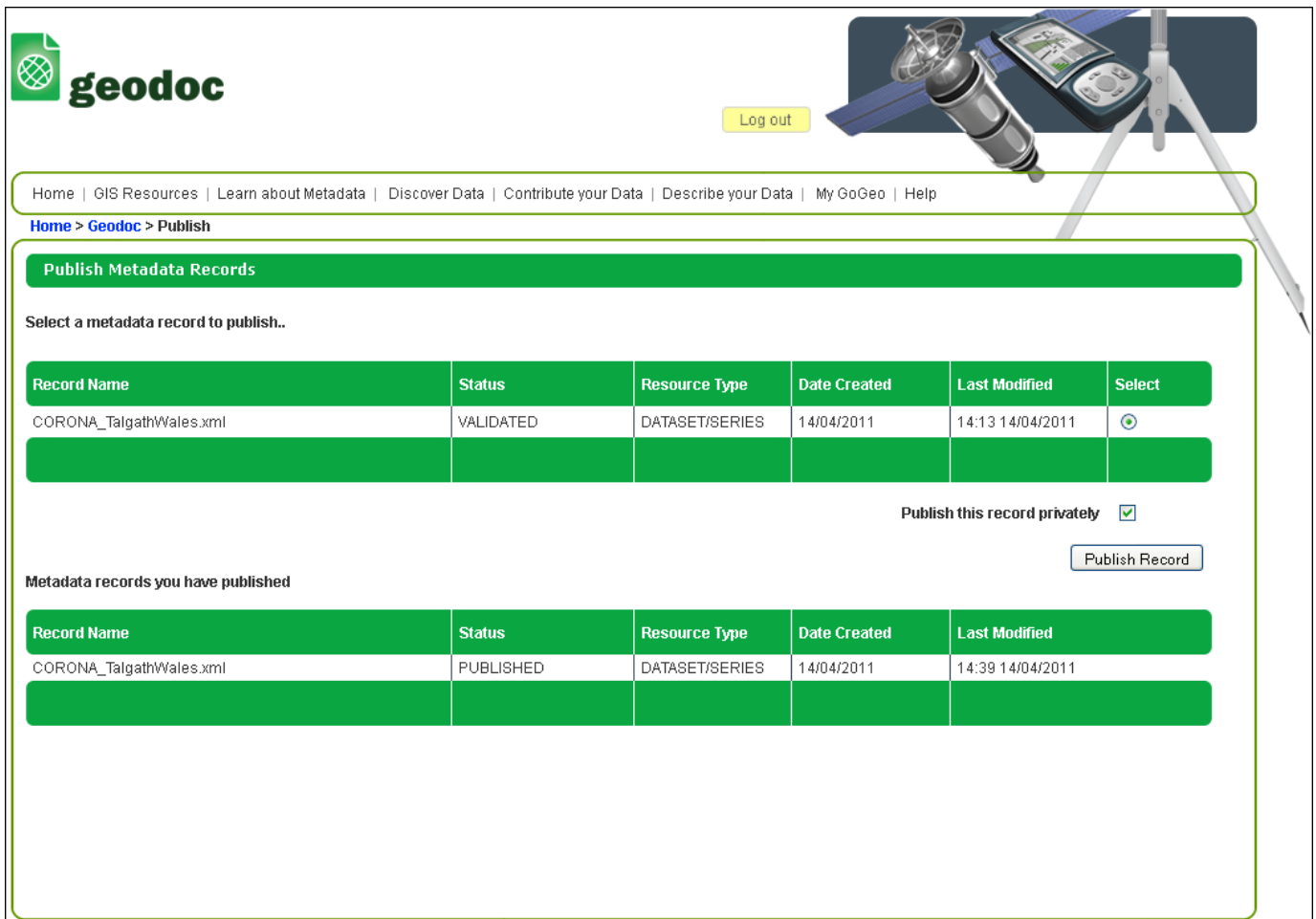
8) Publish your Metadata Record.

Click **Geodoc** in the above url '**Home > Geodoc > Export**' text from the Export directory to return to the Geodoc home page. Back on the Geodoc home page, please click the '**Publish Records**' button.

Publish Records

This action will open the '**Publish Metadata Records**' directory. Please select your metadata record for publication on the GoGeo portal, tick the '**Publish this record privately**' box and then click the '**Publish Record**' button below.

A page opens which indicates that your record has been successfully published.



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Log out

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

Home > Geodoc > Publish

Publish Metadata Records

Select a metadata record to publish..

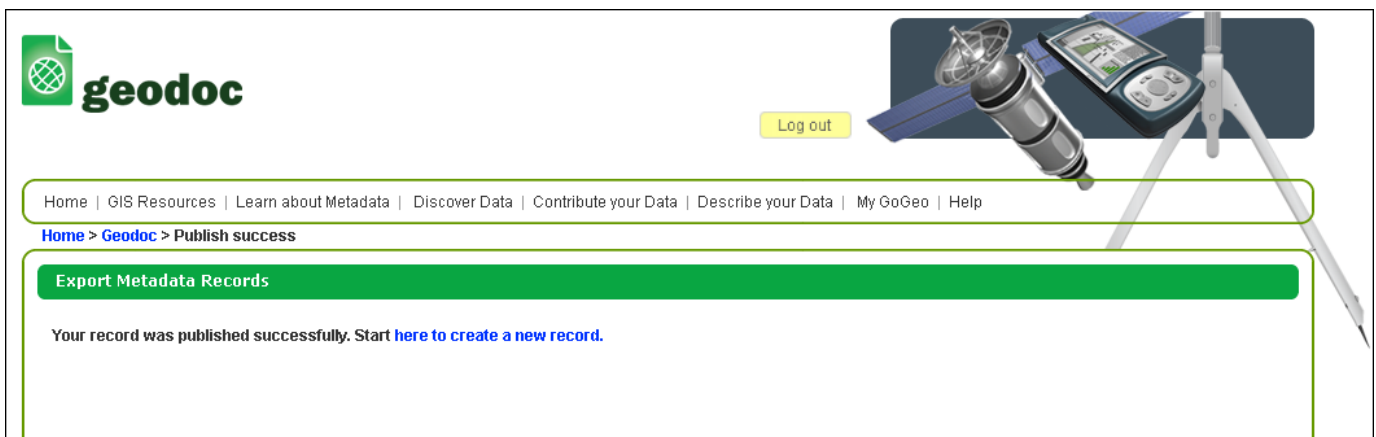
Record Name	Status	Resource Type	Date Created	Last Modified	Select
CORONA_TalgathWales.xml	VALIDATED	DATASET/SERIES	14/04/2011	14:13 14/04/2011	<input type="radio"/>

Publish this record privately

Publish Record

Metadata records you have published

Record Name	Status	Resource Type	Date Created	Last Modified
CORONA_TalgathWales.xml	PUBLISHED	DATASET/SERIES	14/04/2011	14:39 14/04/2011



geodoc

Log out

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

Home > Geodoc > Publish success

Export Metadata Records

Your record was published successfully. Start [here](#) to create a new record.

****Please note that your submitted metadata record will be deleted and not published on the GoGeo portal.**

Your metadata record is sent as a password-secured URL link in an email to the geospatial metadata coordinator at EDINA.

A confirmation is sent to confirm that your metadata record has been received, then the record is reviewed with comments returned to metadata creator if edits are required, or to confirm that record is suitable for publication on GoGeo.

Subject: **A New File Has Been Published (Live)**

To: Tony Mathys 🌟

Hi,

This email is to let you know that a new Metadata record from Tony Mathys has been marked as to be published.

The record is called CORONA_TalgathWales.xml.

Their email address is tony.mathys@ed.ac.uk

The location of the file is at:

http://geodoc.edina.ac.uk/exist/rest/db/geodoc/records/agmap21/5/published/CORONA_TalgathWales.xml.

This file is to be published ***PRIVATELY*** in the institution id = 5.

```
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- <geo:g1_citation>
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  - <title>
    CORONA Satellite Image of Area from Sennybridge to Talgarth, Wales
  </title>
  - <alternative_title>
    CORONA Declassified Satellite Image of Area from Sennybridge to Talgarth, Wales
  </alternative_title>
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  <identifier_namespace>None</identifier_namespace>
  <edition>None</edition>
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- <geo:g2_identification_information>
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  <other_keywords>CORONA</other_keywords>
  <other_keywords>declassified</other_keywords>
  <temporal_keywords>None</temporal_keywords>
- <abstract>
  This image file (DS1104-1043DF002_2c.tif) was initially captured during the CORONA J-1, KH-4a reconnaissance missions and represents one of four image frames associated with a single swath which provides a nominal ground coverage of 17 x 232 km. This CORONA image's ground coverage is approximately 17 x 38 km. This is attributed to cropping about one-third (20 km) of the image's eastern extent due to 100 percent cloud cover. This in turn reduces this dataset's file size. Approximately 20 to 30 percent of this image contains significant cloud cover. Other image files associated with this swath includes DS1104-1043DF002_2a.tif, DS1104-1043DF002_2cb.tif and DS1104-1043DF002_2d.tif The satellite captured this CORONA image on 10 August 1968. The image extends across an area of Wales which includes the Town of Talgarth to the east and the Town of Sennybridge to the west. The Town of Brecon, and parts of the River Usk and Brecon Beacons National Park fall within this image's area. This dataset was downloaded from Earth Explorer for the purpose of comparing changes to land use patterns between the years 1968 and 2011.
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- <related_resources>
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  <related_resources>
  <spatial_reference_system>WGS84 Latitude Longitude</spatial_reference_system>
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- <geo:g3_data_quality_information>
  - <geo:g3sg1_conformity>
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    <specification_code/>
    <specification_date/>
    <conformity>false</conformity>
    <inspire_theme/>
    <explanation/>
  </geo:g3sg1_conformity>
  - <geo:g3sg2_process_steps>
    <process_status/>
```

9) Please log out of Geodoc and close all your browsers. This completes the practical.