

DIGIMAP

<https://digimap.edina.ac.uk>

WHAT IS DIGIMAP?

Digimap <https://digimap.edina.ac.uk/> is an online service run by EDINA offering to subscribing organisations within UK Tertiary Education, free access to maps and geospatial data from a number of national data providers, including Ordnance Survey and the British Geological Survey. Maps can be generated online within Digimap or data can be download for use with appropriate software.

A wide range of data is available for England, Wales and Scotland with a smaller range available for the Isle of Man. Geological data is also available for Northern Ireland.

The Digimap **collections** available to Cambridge University students and academics include:

Ordnance Survey® Collection <https://digimap.edina.ac.uk/os> Current Ordnance Survey map data. Offers a range of contemporary Ordnance Survey mapping data products. A range of online tools are available to facilitate viewing, interrogation and download of these products. Registration required.

Historic Digimap <https://digimap.edina.ac.uk/historic> Offers a range of historical Ordnance Survey mapping data products from 1843 to 1996. A range of online tools are available to facilitate viewing, interrogation and download of these products. Registration required.

Geology Digimap <https://digimap.edina.ac.uk/geology> Offers a range of onshore and offshore British Geological Survey mapping data products. A range of online tools are available to facilitate viewing, interrogation and download of these products. Registration required

Environment Digimap <https://digimap.edina.ac.uk/environment> Offers a range of Land Cover Map data products. A range of online tools are available to facilitate the viewing of these products. Registration required.

Aerial Digimap <https://digimap.edina.ac.uk/aerial> Aerial imagery data at scales ranging from 1:150,000 to 1:500 available for making maps online or for download. Complete coverage of Great Britain is available.

Lidar <https://digimap.edina.ac.uk/lidar> Lidar data is a very accurate model of the earth's surface. The data is captured by firing rapid laser pulses (thousands of times per second) at the ground surface. By examining the laser energy reflected back from the ground the surface is captured as a dense cloud of 3D points. These points are then converted in to highly detailed terrain models of the surface of the earth and by examining the reflections from both the ground surface and the vegetation canopy it is possible to derive both Digital Terrain Models of the bare earth surface (DTM) and also Digital Surface Models (DSM) that show the vegetation canopy.

Marine <https://digimap.edina.ac.uk/marine> Includes the raster nautical charts derived from the UK Hydrographic Office paper charts and chart panels, and Marine Themes vector data covering all UK waters which can be loaded into Geographic Information Systems. Marine data is extensively used in offshore engineering projects, management of marine and coastal environments, marine ecology studies, environmental impact assessments and tourism.

Global <https://digimap.edina.ac.uk/global> Provides access to global datasets in cartographic styles and downloadable formats that are useful to you. primary content is OpenStreetMap; also included is data from Natural Earth and Collins Bartholomew.

Society Digimap <https://digimap.edina.ac.uk/society> 2011 UK census data. Provides a wealth of census and socio-economic data for Great Britain.

Geomni <https://digimap.edina.ac.uk/geomni> Provides access to data from commercial data supplier GEOMNI.co.uk.

agCensus <https://digimap.edina.ac.uk/agcensus> Offers access to a time-series database of grid square based data derived from the regular Agricultural Censuses of England, Scotland and Wales.

See also <https://digimap.edina.ac.uk/webhelp/digimapsupport/about.htm> where for each collection the 'Help' link (usually at the end of the 'General' section) will usually direct you to a 'how to get started' page. Also look at the Digimap Resource Centre at <https://digimap.edina.ac.uk/webhelp/resources/index.html>

GETTING ACCESS TO DIGIMAP

In order to access Digimap you must be a fully registered student or member of staff at the University of Cambridge. The data is available for Teaching, Educational Research, Academic Research or Limited Internal Business Use only. See below for more information on copyright and terms of use.

You need a **Raven account** and password. Raven passwords are available only to current staff and students of the University. All new undergraduate and postgraduate students should be given an account when they first register.

1. Logging in:

From <http://digimap.edina.ac.uk/> either use the Login Button in the top right-hand corner or select the service required. When asked to 'Sign In' type 'Cambridge' in the box, select 'University of Cambridge' and enter your Raven user-id and password when requested. Further information can be found at http://digimap.edina.ac.uk/webhelp/digimapsupport/access/login_help.htm

2. Registration:

Before you can use Digimap services you will need to register your details with Digimap and accept the licence agreements associated with each Collection. This is an automated two-step process which is described at <http://digimap.edina.ac.uk/webhelp/digimapsupport/access/registration.htm>

3. Class Use:

Each member of a class must register for Digimap individually.

TERMS OF USE / LICENCE AGREEMENTS

Remember that the data is available for Teaching, Educational Research, Academic Research or Limited Internal Business Use only.

The Licence Agreements for all of the Collections and Frequently Asked Questions about Licences and data use can be found at https://digimap.edina.ac.uk/webhelp/digimapsupport/about.htm#license_and_terms_of_service/licence_faqs.htm

FURTHER INFORMATION

See the expanded version of this information sheet online at www.lib.cam.ac.uk/collections/departments/maps/digital-maps/digimap

Keep up to date with what is happening with Digimap by going to the Digimap Blog (<https://digimap.blogs.edina.ac.uk/>), or follow Digimap on [Twitter](https://twitter.com/EDINA_Digimap) (@EDINA_Digimap) or Facebook (<https://www.facebook.com/EDINADigimap>).

DIGIMAP SITE REPRESENTATIVES

If you require further information, please contact the Cambridge University Digimap Site Representative:

Anne Taylor Map Department, Cambridge University Library, West Road. 01223 333041 aemt2@cam.ac.uk

LARGE FORMAT PRINTING

If your Department does not have large format printing facilities the following may be able to help:

UIS Printroom, University of Cambridge Information Services, Roger Needham Building, 7 JJ Thomson Avenue, Cambridge CB3 0RB (West Cambridge site) <https://help.uis.cam.ac.uk/service/printing/itstaff/printroom> 01223 (3)34727 ; printroom@uis.cam.ac.uk

Anatomy Visual Media Group (AVMG), Department of PDN, Anatomy Building, University of Cambridge, Downing Site, CB2 3DY <https://www.pdn.cam.ac.uk/other-pages/avmg> 01223 (3)33787 / (3)33767 ; avmg@pdn.cam.ac.uk

Engineering Department Print Room, 1st floor of the Baker Building, Department of Engineering, Trumpington Street, Cambridge CB2 1PZ itservices.eng.cam.ac.uk/services/printing-services/ 01223 (3)32710 ; print-room@eng.cam.ac.uk

OTHER RESOURCES

OS OpenData provides free access to a selection of OS mapping datasets for Great Britain. See www.ordnancesurvey.co.uk/business-government/tools-support/open-data-support

Cambridge University Library Map Department Collections. If Digimap does not provide the maps you want remember that the Map Department of Cambridge University Library has over 1.3 million printed maps. The collections cover all parts of the World and include thousands of printed Ordnance Survey and British Geological Survey maps and hydrographic charts. See www.lib.cam.ac.uk/collections/departments/maps

OS mapping from 1998 onwards. The most recent detailed scales of OS mapping are not available on Digimap but can be viewed and printed from a dedicated PC in the Map Room of Cambridge University Library. Also available for viewing is large scale data of Northern Ireland from 2004 onwards. Unfortunately, none of this modern data is available to download. See www.lib.cam.ac.uk/collections/departments/maps/ordnance-survey-digital-maps/os

This Information Sheet is available online as a Word document at www.lib.cam.ac.uk/collections/departments/maps/information-sheets

An extended version can be found online at <https://www.lib.cam.ac.uk/collections/departments/maps/digital-maps/digimap>

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