



## SOURCES OF GIS, CLIMATE & REMOTELY SENSED DATA

TYPE	URL	FORMAT	RECC. SOFTWARE
Various socio-economic	<a href="http://www.guardian.co.uk/world-government-data">http://www.guardian.co.uk/world-government-data</a>	CSV, XLS & XML	Excel & ArcGIS
Country Administrative Boundaries	<a href="http://www.diva-gis.org/gdata">http://www.diva-gis.org/gdata</a>	ESRI SHP (zipped)	ArcGIS (can import to Idrisi)
Global/Continental Administrative Boundaries	<a href="http://www.diva-gis.org/gdata">http://www.diva-gis.org/gdata</a>	ESRI SHP (zipped)	ArcGIS (can import to Idrisi)
Current World Climate Averages data (min/max/mean Temperature, rainfall, bioclim/altitude)	<a href="http://www.worldclim.org/current">http://www.worldclim.org/current</a>	ESRI GRD (zipped) & Generic Binary	ArcGIS (can import Binary into Idrisi)
Future World Climate Averages data (from climate models) (Temperature & rainfall)	<a href="http://www.worldclim.org/futdown.htm">http://www.worldclim.org/futdown.htm</a> and <a href="http://www.ccafs-climate.org/">http://www.ccafs-climate.org/</a>	Generic Binary	ArcGIS and Idrisi
Past World Climate Average reconstructed (min/max Temperature, rainfall, bioclim)	<a href="http://www.worldclim.org/past">http://www.worldclim.org/past</a>	Generic Binary	ArcGIS and Idrisi
Climate maps available to download as GeoTIFF	<a href="http://www.ecad.eu/utills/mapserver/eobs_maps_registered.php">http://www.ecad.eu/utills/mapserver/eobs_maps_registered.php</a>	ASCII and GeoTIFF	ArcGIS, Idrisi and QGIS
90 metre global Digital Elevation Model data	<a href="http://www.cgiar-csi.org/data/srtm-90m-digital-elevation-database-v4-1">http://www.cgiar-csi.org/data/srtm-90m-digital-elevation-database-v4-1</a>	GeoTIFF & ArcINFO Ascii	ArcGIS, Erdas Imagine and Idrisi
1990/2000 Landsat Images	<a href="https://zulu.ssc.nasa.gov/mrsid/">https://zulu.ssc.nasa.gov/mrsid/</a>	MrSid	Convert for Idrisi/ArcGIS
European environmental data: maps and charts	<a href="http://www.eea.europa.eu/data-and-maps/">http://www.eea.europa.eu/data-and-maps/</a>	various	various
Epidemiological disease maps and data	<a href="http://www.spatalepidemiology.net/">http://www.spatalepidemiology.net/</a>	various	Various
USGS GLOVIS: Landsat, ASTER, EO-1, MODIS, TERRALOOK raw data	<a href="http://glovis.usgs.gov/">http://glovis.usgs.gov/</a> (requires free registration)	various (includes GeoTIFF)	Idrisi and ArcGIS
Global NOAA-AVHRR Data	<a href="http://edc2.usgs.gov/1KM/comp10d.php">http://edc2.usgs.gov/1KM/comp10d.php</a>	various	Idrisi and ArcGIS
USGS Global Ecosystems data	<a href="http://rmgsc.cr.usgs.gov/ecosystems/dataviewer.shtml">http://rmgsc.cr.usgs.gov/ecosystems/dataviewer.shtml</a>	Ascii Grid, GeoTIFF, Erdas Imagine	Idrisi and ArcGIS
Global Meteorological Data archive	Step-by-step download instructions: <a href="http://tinyurl.com/3x2ijpk">http://tinyurl.com/3x2ijpk</a>	.CSV	Excel
Meteorological & Climate data	<a href="http://climexp.knmi.nl/start.cgi?someone@somewhere">http://climexp.knmi.nl/start.cgi?someone@somewhere</a>	Various text	Excel
NCDC climate & meteorology data	<a href="http://www.ncdc.noaa.gov/oa/mpp/freedata.html">http://www.ncdc.noaa.gov/oa/mpp/freedata.html</a>	Various	various
UN-FAO Geo-spatial network data	<a href="http://www.fao.org/geonetwork/srv/en/main.home">http://www.fao.org/geonetwork/srv/en/main.home</a>	various	ArcGIS and Idrisi

FAO World Climate Data : software & database package	<a href="http://tinyurl.com/32xwjgg">http://tinyurl.com/32xwjgg</a>		software	All
SRTM 90 metre Digital Elevation Data	<a href="http://srtm.csi.cgiar.org/">http://srtm.csi.cgiar.org/</a> and <a href="http://srtm.csi.cgiar.org/SELECTION/inputCoord.asp">http://srtm.csi.cgiar.org/SELECTION/inputCoord.asp</a>		GeoTIFF (zipped)	ArcGIS and Idrisi
Natural Earth vector and raster map data	<a href="http://www.naturalearthdata.com/">http://www.naturalearthdata.com/</a>		various	Idrisi and ArcGIS
Africa: environmental raster and country boundary vector	<a href="http://earlywarning.usgs.gov/adds/index.php">http://earlywarning.usgs.gov/adds/index.php</a>		.SHP and .IMG	Windisp, Idrisi and ArcGIS
OpenStreetMap mapping and cartography data	<a href="http://www.openstreetmap.org/">http://www.openstreetmap.org/</a>		.PNG, JPEG, .SVG, .PDF	ArcGIS and Idrisi
Various sources of data covering a wide variety of themes	<a href="http://freegisdata.rtwilson.com/">http://freegisdata.rtwilson.com/</a>		various	All
Open StreetMap (OSM) Shapefiles for many urban areas in the world	<a href="http://metro.teczno.com/">http://metro.teczno.com/</a>		Choose Shapefile options	All
Sea-Surface Temperature maps	<a href="http://www.cpc.ncep.noaa.gov/products/GIS/GIS_DATA/">http://www.cpc.ncep.noaa.gov/products/GIS/GIS_DATA/</a>		GeoTIFF	All
Africa & Asia Rainfall Estimates	<a href="http://www.cpc.ncep.noaa.gov/products/GIS/GIS_DATA/rfe/index.php">http://www.cpc.ncep.noaa.gov/products/GIS/GIS_DATA/rfe/index.php</a>		GeoTIFF	All
World population data	<a href="http://www.worldpop.org.uk/data/">http://www.worldpop.org.uk/data/</a>		GeoTIFF	All
USGS/NASA Global data Explorer	<a href="http://gdex.cr.usgs.gov/gdex/">http://gdex.cr.usgs.gov/gdex/</a>		Various	All
MEA Earthserver	<a href="http://earthserver.services.meeo.it/">http://earthserver.services.meeo.it/</a>		Various	All
Climate4You	<a href="http://www.climate4you.com/">http://www.climate4you.com/</a>		Various	All
Health data and statistics (WHO)	<a href="http://apps.who.int/gho/data/node.main">http://apps.who.int/gho/data/node.main</a>		Numerical	All
Malaria Data and country statistics	<a href="http://gamapserver.who.int/gho/interactive_charts/malaria/deaths/atlas.html">http://gamapserver.who.int/gho/interactive_charts/malaria/deaths/atlas.html</a>		Numerical	All
Free Open Data from Ordnance Survey (UK)	<a href="https://www.ordnancesurvey.co.uk/opendatadownload/products.html">https://www.ordnancesurvey.co.uk/opendatadownload/products.html</a>		SHP files	All

Add YOUR OWN sources here:


## FREE GIS/IMAGE PROCESSING/CONVERSION/VISUALISATION SOFTWARE

DIVA	<a href="http://www.diva-gis.org/download">http://www.diva-gis.org/download</a>
WINDISP	<a href="http://www.fao.org/giews/english/windisp/windisp.htm">http://www.fao.org/giews/english/windisp/windisp.htm</a>
QGIS	<a href="http://www.qgis.org/">http://www.qgis.org/</a> <b>HIGHLY RECOMMENDED</b>
GRASS	<a href="http://grass.itc.it/">http://grass.itc.it/</a>
MAPWINDOW	<a href="http://www.mapwindow.org/">http://www.mapwindow.org/</a>
MYGEODATA	<a href="http://mygeodata.eu/">http://mygeodata.eu/</a>
R	<a href="http://www.r-project.org/">http://www.r-project.org/</a>
HUMIDITY	<a href="http://andrew.rsmas.miami.edu/bmcnoldy/Humidity.html">http://andrew.rsmas.miami.edu/bmcnoldy/Humidity.html</a>
PAST	<a href="http://folk.uio.no/ohammer/past/index_old.html">http://folk.uio.no/ohammer/past/index_old.html</a>

## USEFUL LINKS

<http://www.diva-gis.org/>  
<http://openspace.ordnancesurvey.co.uk/openspace/>  
<http://www.gearthblog.com/>  
<http://www.ukscience.org/>  
<http://landsathandbook.gsfc.nasa.gov/>  
[http://spatial-analyst.net/wiki/index.php?title=Global\\_datasets](http://spatial-analyst.net/wiki/index.php?title=Global_datasets)  
<http://converter.mygeodata.eu/>

## COMMON FILE FORMATS

.ZIP – compressed ZIP archive  
.TIF/.TIFF – GeoTIFF format  
.BIN – Generic binary format  
.ASC – Ascii format  
.TXT – Test format  
.CSV – Comma delimited (text) format  
.IMG – Erdas Imagine  
.SHP – Shape (vector) file  
.RRD = Erdas Imagine Image Statistics file

File format help database: <http://www.file-extensions.org/>

REMEMBER: Large datasets are often compressed into an archive file – to save time transmitting them down the internet. These archives often have file extensions such as .ZIP, .GZIP, .TAR or .GZ etc. A very good universal file un-archiver (which is free) is called 7-ZIP and can be downloaded from: <http://www.7-zip.org/> You would need to use a program like 7-zip to decompress your downloaded data BEFORE attempting to open it in your GIS software.

## USE CLICKABLE LINKS BY DOWNLOADING THIS FILE ELECTRONICALLY HERE:

[http://www.ukscience.org/\\_Media/SOURCES\\_OF\\_GIS\\_DATA.doc](http://www.ukscience.org/_Media/SOURCES_OF_GIS_DATA.doc)  
[http://www.ukscience.org/\\_Media/SOURCES\\_OF\\_GIS\\_DATA.pdf](http://www.ukscience.org/_Media/SOURCES_OF_GIS_DATA.pdf)