

A2 Supported Data Formats

A2.1 Import/Export: Data formats supported by GRASS

RASTER:

The [GDAL library](#) (r.in.gdal) is used, see [the GDAL project format list](#) (http://www.gdal.org/formats_list.html) for full capabilities. Examples include:

+ Raster: ASCII, ARC/GRID, E00, GIF, GMT, TIF, PNG, ERDAS LAN, Vis5D, SURFER (.grd) ...

+ Images: CEOS (SAR, SRTM, LANDSAT7 etc.), ERDAS LAN, HDF, LANDSAT TM/MSS, NHAP aerial photos, SAR, SPOT, ... can be read

VECTOR:

The [OGR library](#) (v.in.ogr) is used, see [the OGR project format list](#) (http://www.gdal.org/ogr/ogr_formats.html). Examples include:

+ Vector: ASCII, ARC/INFO ungenerate, ARC/INFO E00, ArcView SHAPE (with topology correction), BIL, DLG (U.S.), DXF, DXF3D, GMT, GPS-ASCII, USGS-DEM, IDRISI, MOSS, MapInfo MIF, TIGER, VRML, ...

+ Sites (vector point data lists): XYZ ASCII, CSV, dBase, ...

A2.2 Data formats supported by QGIS

Raster :

GDAL Raster Formats

At the date of this document, the following formats are supported by the GDAL library. Note that not all of these format may work in QGIS for various reasons. For example, some require external commercial libraries. Only those formats that have been well tested will appear in the list of file types when loading a raster into QGIS. Other untested formats can be loaded by selecting the *All other files (*)* filter. Formats known to work in QGIS are indicated in **bold**.

Arc/Info ASCII Grid, Arc/Info Binary Grid (.adf), Microsoft Windows Device Independent Bitmap (.bmp), BSB Nautical Chart Format (.kap) VTP Binary Terrain Format (.bt), CEOS (Spot for instance), First Generation USGS DOQ (.doq), New Labelled USGS DOQ (.doq) Military Elevation Data (.dt0, .dt1), ERMapper Compressed Wavelets (.ecw), ESRI .hdr Labelled, ENVI .hdr Labelled Raster, Envisat Image Product (.n1), EOSAT FAST Format,

Raster (continue) :

FITS (.fits), Graphics Interchange Format (.gif), **GRASS Rasters8**, **TIFF / GeoTIFF (.tif)**, Hierarchical Data Format Release 4 (HDF4), **Erdas Imagine (.img)**, Atlantis MFF2e, Japanese DEM (.mem), **JPEG JFIF (.jpg)**, JPEG2000 (.jp2, .j2k), **JPEG2000 (.jp2, .j2k)**, NOAA Polar Orbiter Level 1b Data Set (AVHRR), Erdas 7.x .LAN and .GIS, In Memory Raster, Atlantis MFF, Multi-resolution Seamless Image Database MrSID, NITF, NetCDF, OGDIBridge, PCI .aux Labelled, PCI Geomatics Database File, Portable Network Graphics (.png), Netpbm (.ppm,.pgm), **USGS SDTS DEM (*CATD.DDF)**, SAR CEOS, **USGS ASCII DEM (.dem)**, X11 Pixmap (.xpm)

Vector:

Supported OGR Formats

At the date of this document, the following formats are supported by the OGR library. Formats known to work in QGIS are indicated in **bold**.

Arc/Info Binary Coverage, Comma Separated Value (.csv), DODS/OPeNDAP, **ESRI Shapefile**, FMEObjects Gateway, GML, IHO S-57 (ENC), **Mapinfo File**, Microstation DGN, OGDIVectors, ODBC, Oracle Spatial, PostgreSQL7, **SDTS**, SQLite, UK .NTF, U.S. Census TIGER/Line, VRT - Virtual Datasource