

Isaac's Fairly Complete GIS Bibliography

Compiled on 09/20/2006

GIS Books:

- Burrough, Peter A, and Rachel A McDonnell. *Principles of Geographical Information Systems*. Oxford: Oxford University Press.
- Conolly, James, and Mark Lake. *Geographical Information Systems in Archaeology*. Cambridge: Cambridge University Press.
- Mitasova, Helena, and Markus Neteler. *Open Source GIS, a Grass GIS Approach*. Volume 773. Boston: Kluwer Academic Publishers.
- Wescott, Konnie L, and R Joe Brandon. *Practical Applications of GIS for Archaeologists: A Predictive Modeling Toolkit*. Philadelphia: Taylor & Francis Inc.

Resources for GRASS:

- Grass homepage: <http://grass.itc.it>
- WinGRASS: <http://geni.ath.cx/grass.html>
- MacGRASS: <http://wwwamb.bologna.enea.it/forgrass/>
- GRASS in a Nutshell Tutorial: <http://mpa.itc.it/markus/osg05/>

Other Free GIS Software:

- Your main source to many links to various free and open source GIS software: <http://www.freegis.org/>
- Another list of open source GIS: <http://opensourcegis.org/>
- Fully functional free GIS for windows (Microdem): <http://www.usna.edu/Users/oceano/pguth/website/microdem.htm>
- Another fully functional free GIS for Windows and Linux (Saga): <http://www.saga-gis.uni-goettingen.de/html/index.php>

- A good GIS that interfaces with GRASS (in Mac and Linux and hopefully soon in Windows) and GRASS data and makes really nice-looking output maps (Qgis): <http://qgis.org/>
- A great tool for working with Geotiffs in Linux and Windows (FWtools): <http://fwtools.maptools.org/>
- A great tool for dealing with satellite imagery that has many GIS-like components (Multispec): <http://cobweb.ecn.purdue.edu/~biehl/MultiSpec/Index.html>
- A complete Linux operating system dedicated to GIS and Archaeology! (ArcheOS): <http://www.arc-team.com/archeos/index.html>
- Several less functional, but still useful GIS or GIS-like free softwares: (DIVA) <http://www.diva-gis.org/>, (TNTlite) <http://www.microimages.com/tntlite/>, (3D Field) <http://field.hypermart.net/>, (Inova GIS) <http://www.inovagis.org/index.asp>, (FGIS) <http://www.forestpal.com/fgis.html>,

Free GIS Data:

- USGS DEM's, imagery, and vector data for the USA and world: <http://seamless.usgs.gov/>
- Global Land Cover Facility (DEM's and Imagery for the world): <http://glcf.umiacs.umd.edu/index.shtml>
- Digital Chart of the World (vector data for the world, can also get the same data from seamless): <http://www.maproom.psu.edu/dcw/>
- Steve Savage's website with GIS data for the Near and Middle East: <http://archaeology.asu.edu/Jordan/index.html>
- DEM's and imagery for Arizona: <http://aria.arizona.edu/>
- 90 meter DEM's (taken by the Space Shuttle) for the whole world: <http://srtm.csi.cgiar.org/index.asp>

Note! This list is by no means complete! It is simply a list of resources and tools that I have come across during the course of my experience with GIS and that I have found to be useful. It is intended as a jumping off place for you to get going in the wonderful world of GIS!