83 Great Links for Cartographers
http://www.onlineclasses.org/2011/03/10/83-awesome-links-for-cartography-geeks/

Modern cartographers have an amazing array of possibilities available to them. Read on to learn about groups, tools, news sites, and more, all made with cartographers in mind.

Organizations & Government Resources
Looking for an authority on cartography? Find them here.

1. **US Census Bureau**: Check with the US Census Bureau to find maps and cartographic resources, including boundary files and online mapping.
2. **Federal Geographic Data Committee**: This committee promotes geospatial data on a national basis.
3. **The National Map**: The National Map shares topographic information for the US from USGS.
4. **NACIS**: Study American cartography with the North American Cartographic Information Society.
5. **CaGIS**: The Cartography and Geographic Information Society connects professionals in cartography and geographic information science nationally and internationally.
6. **FEMA Maps**: FEMA has disaster maps, flood maps, and hurricane maps available here.
7. **Carto.net**: Carto.net offers an organization and resources for cartographers online.
8. **Geoscience Australia**: The Geoscience Australia group applies geoscience to Australia’s most important challenges.
10. **IMTA**: The International Map Trade Association connects the business of mapping all over the world.
11. **NPMap**: NPMap shares maps for the National Park Service.
12. **The International Map Collectors’ Society**: Map collectors can find their home in this society.
13. **The World Factbook**: The CIA shares information about the world in this factbook, including a physical and political map of the world.
14. **CDC Maps**: The CDC offers these maps for disease control and prevention.
15. **Natural Resources Canada**: Natural Resources Canada has topographic maps, aerial photography, satellite imagery, and more.
16. **Society of Cartographers**: British cartographers, and even around the world, can become a part of this cartographic society.
17. **Ordnance Survey**: Ordnance Survey is Great Britain’s national mapping agency.
18. **NRCS**: The US Department of Agriculture shares maps, imagery, data, and analysis here.
19. **International Cartographic Association**: The ICA shares calendars, publications, and more from cartography in an international context.
20. **USGS Maps, Imagery, and Publications**: Check out these resources from the USGS for printed maps and more.
21. **Places in the News**: The Library of Congress has maps and more, highlighting places in the news.
Interesting Maps
Amazing and interesting maps can be found here, including historic maps, and those with social information.

22. **The Commoncensus Map Project**: The Commoncensus has redrawn the US through common sense.
23. **Cartifact**: Cartifact has maps for New York and LA with building searches, historic information, and more.
24. **OpenStreetMap**: OpenStreetMap is a free wiki world map.
25. **Wikimapia**: Wikimapia is a community edited map of the whole world.
26. **Map History**: Check out Map History to learn about the history of cartography online.
27. **National Geographic Maps**: National Geographic shares this print collection, atlas explorer, and more.
28. **Earthshots**: USGS offers Earthshots, satellite images of environmental change.
29. **Google Earth**: Google Earth will let you navigate the streets and fly anyplace in the world.
30. **Urban Rail**: Check out Urban Rail to see metro, subway, and light rail maps around the world.
31. **Blue Marble**: Blue Marble shares the space-based studies of Earth.
32. **Mapdango**: Check out Mapdango for National Parks maps mashed up with Google Maps and social media.
33. **Social Explorer**: Social Explorer allows you to look at maps and demographic information in an interesting way, like the data and maps of True Grit.

Collections & Databases
Libraries and more have opened their map collections to the online audience, and you can find them here.

34. **Mapping History**: The British Library offers this exhibit and collection on mapping history.
35. **Theme Park Maps**: Check out this collection to find maps from theme parks around the world.
36. **National Geologic Map Database**: USGS shares this resource for maps and data related to geology, resources, and more.
37. **Library of Congress Geography and Maps**: The Library of Congress has this illustrated guide to geography and maps.
38. **Visible Earth**: Visible Earth offers a catalog of NASA images and animations of Earth.
39. **Worldmapper**: Worldmapper has a collection of world maps, with nearly 700 maps.
40. **Historical Map & Chart Collection**: The NOAA has nautical charts, publications, and utilities here.
41. **MapRef**: MapRef has a collection of map projections and reference systems in Europe.
42. **American Shores**: American Shores shares maps of the Mid-Atlantic region to 1850.
43. **David Rumsey Map Collection**: David Rumsey’s site offers a wealth of historical maps.
44. **American Geographical Society Library**: The AGS Library cartographic collections include charts, rare materials, globes, and more.
45. **Civil War Maps**: The Library of Congress shares historical maps from the Civil War in this collection.
46. **Geography & Map Reading Room**: The Library of Congress offers this reading room with digital collections, information on collection management, and more.

**Map Makers**
With these tools, you can make interesting and useful maps online.
47. **Planiglobe**: Planiglobe offers online vector map creation.
49. **DIY State Maps**: This utility will allow you to create your own special purpose maps of US states.
50. **Natural Earth**: Create maps with this public domain dataset with vector and raster data.

**Resources**
Find resources for map making, learning, and more here.
51. **Map Librarians’ Toolbox**: The Western Association of Map Libraries shares these helpful resources for cartographers and map librarians.
52. **Repositories of Primary Sources**: Here you’ll find a listing of over 5,000 websites with original maps and more.
53. **Rutgers Cartography**: Rutgers shares online sources for maps and map data here.
54. **gCensus**: gCensus offers free online GIS using Google Earth.
55. **Oddens’ Bookmarks**: This site shares thousands of links from the world of maps and mapping.
56. **Cartography Calendars**: John W. Docktor’s site offers a calendar of meetings and exhibitions in the cartography community.
57. **Where to Buy Maps**: The University of Texas map collection shares information on good places to buy maps.

**Forums, Blogs & Twitter Feeds**
Check out these social media resources to stay on top of the latest in cartography.
58. **CartoTalk**: CartoTalk offers a public forum for cartography and design.
59. **@worldmapper**: Find neat maps from around the world through @worldmapper.
60. **Cartogrammar**: Andy Woodruff shares his love of interactive maps and spatial data visualization on Cartogrammar.
61. **Kelso’s Corner**: Kelso discusses cartography and more on this blog.
62. **Cartophilia**: Cartophilia discusses maps and map memorabilia.
63. **James Fee**: James Fee writes this GIS blog about geospatial technology, web mapping, and spatial services.
64. **Maphead**: This blogger explores the ontology of cartography and how it relates to being a Quaker.
65. **Comic Book Cartography**: Find a collection of maps and diagrams on the Comic Book Cartography blog.
66. **@map_maker**: Teresa Baldwin is a GIS techie and map maker.
67. **All Points Blog**: The All Points Blog shares opinions and views on all things location.
68. **ESRI Mapping Center**: Check out these posts to find resources for map makers and more.
69. **Strange Maps**: Frank Jacobs writes about cartographic curiosities on Strange Maps.
70. **@meoneogeo**: Meo Geo writes about GIS, map making, and cartography.
71. **Google Lat Long Blog**: Google writes this blog with news and noted from Google Earth and Maps.
72. **Indiemaps**: Zachary Forest Johnson’s blog discusses neocartography and information visualization.
73. **Off the Map**: Off the Map can will take you past the point of push pins.
74. **@GeoLab**: Mark Rodrigo writes about his work as a geographer and geospatial programmer.
75. **Thematic Mapping**: Thematic Mapping’s blog discusses how web browsers and open standards can be used for thematic mapping.
76. **Making Maps**: DIY cartographers can read this blog with resources and ideas for making maps.
77. **The Map Room**: The Map Room shares resources about maps, map collections, and more.
78. **Mapperz**: Mappers will tell you about the best maps and services currently available online.
79. **Slashgeo**: Spatial people can read about geonews and more on Slashgeo.
80. **Google Earth Library**: Read this blog to learn more about interesting developments in Google Earth and cartography.
81. **@fgcartographix**: Francois Goulet is a GIS specialist, cartographer, historian, and geek.
82. **The British Cartographic Society**: The BCS shares this blog about cartography and maps.
83. **Ogle Earth**: Ogle Earth shares how internet mapping tools like Google Earth can affect science and society.

**Screen Resolutions**

Extracted from: Developing a conceptual design framework for multi-format map publishing
Craig Molyneux and William Cartwright, School of Mathematical and Geospatial Sciences, RMIT University, Melbourne, Victoria, Australia. Craig Molyneux s8303468@student.rmit.edu.au

<table>
<thead>
<tr>
<th>Display Size</th>
<th>Number of pixels</th>
<th>Visible area</th>
<th>Pixel size</th>
<th>Resolution dpi</th>
</tr>
</thead>
<tbody>
<tr>
<td>17”</td>
<td>1280 x 1024</td>
<td>338 x 270 mm</td>
<td>0.264 mm</td>
<td>96</td>
</tr>
<tr>
<td>19”</td>
<td>1280 x 1024</td>
<td>376 x 301 mm</td>
<td>0.294 mm</td>
<td>86</td>
</tr>
<tr>
<td>20”</td>
<td>1400 x 1050</td>
<td>408 x 306 mm</td>
<td>0.292 mm</td>
<td>87</td>
</tr>
<tr>
<td>20”</td>
<td>1600 x 1200</td>
<td>408 x 306 mm</td>
<td>0.255 mm</td>
<td>100</td>
</tr>
</tbody>
</table>

Table 1: Size and resolution of commonly used liquid crystal displays (LCD) (Jenny, et al 2008)
### RELEVANT WEBSITES and SOFTWARE LINKS

Extracted from: Developing a conceptual design framework for multi-format map publishing  
Craig Molyneux and William Cartwright, School of Mathematical and Geospatial Sciences, RMIT University, Melbourne, Victoria, Australia.  
Craig Molyneux s8303468@student.rmit.edu.au

**FOURSQUARE**  
https://foursquare.com/

Foursquare is a location-based social networking website for mobile devices, such as smartphones. Users "check in" at venues using a mobile website, text messaging or a device-specific application by selecting from a list of venues the application locates nearby. Location is based on GPS hardware in the mobile device or network location provided by the application. Each check-in awards the user points and sometimes "badges".

The service was created in 2009 by Dennis Crowley and Naveen Selvadurai. Crowley had previously founded the similar project Dodgeball as his graduate thesis project in the Interactive Telecommunications Program (ITP) at New York University. Google bought Dodgeball in 2005 and shut it down in 2009, replacing it with Google Latitude. Dodgeball user interactions were based on SMS technology, rather than an application.

http://en.wikipedia.org/wiki/Foursquare

**FLICKR MAP**

Even without the photographs this is not a bad map.

http://www.flickr.com/map/

**MapMaker Interactive**

Explore your world with map themes, data, and tools for customising your map

Megamaps
http://www.yourchildlearns.com/megamaps.htm

amMap – Interactive maps library
http://www.ammap.com/

Wikimapia

Wikimapia is an online editable map - you can describe any place on Earth. Or just surf the map discovering tonnes of already marked places.

http://wikimapia.org/#lat=-10.4175854&lon=127.730539&z=4&l=0&m=b

Avenza Pdf Maps


Phoenix Rapidfire – A Bushfire Simulator and Risk Assessment Decision Support Tool

Download
Phoenix Rapidfire – A Bushfire Simulator and Risk Assessment Decision Support Tool


7Scenes

http://7scenes.com/

Geotime 5.3


EVERNOTE

http://evernote.com/

Learn World Geography With TouchWorld
Read more: http://www.wired.com/geekdad/2013/02/touchworld/

Here.com

www.hear.com
**More Links and Applications**

**Plotter**

The smartphone app lets users create a customized guide to a city by “plotting” locations of interest on a map using virtual pushpins. Users can then share these personalized travel companions with friends, see maps their friends have made, solicit recommendations from social networks or even browse pre-made maps in what Plotter’s dubbed “The Map Room.”

Read more: http://techli.com/2013/03/plotter-takes-top-prize-at-sxsw-accelerator-interactive/

**BigMapBlog**

Read more: http://www.bigmapblog.com/

**Time Period Mapping**

**Country Border Changes Over Time**

200 animated maps in 13 separate series depicting changes in country borders over time and what caused them. The maps of the world wars and the changes in the borders of the countries in Europe and the Middle East are very interesting. You can get access to some of the maps for free or pay $12.50 per series for one year of access or $54.90 for all of the series' for one year. There is also a link for school or university access.

Read more: www.the-map-as-history.com

**Time Period Mapping (Take two)**

You can select a location and then pick a time period for that location from a drop down list to see a map of the time with a description.

Read more: omniatlas.com

**Crossview – Cross Eyes 3D**

Read more: http://www.flickriver.com/photos/stereotron/3220589583/

**Stereoscopic Photographs**

There are two ways of viewing stereo photographs in the 3D Art Gallery. If you already know how to CROSS-VIEW and PARALLEL-VIEW continue on and enjoy! Otherwise, you might want to check out How to See 3D first.

Read more: http://www.vision3d.com/sgphoto.html
Storify

Storify is a Social network service that lets the user create stories or timelines using social media such as Twitter, Facebook and Instagram. Storify was launched in September 2010, and has been open to the public since April 2011.

Users search through multiple social networks from one place, and then drag individual elements into stories. Users can re-order the elements and also add text to help give context to the readers.

Read more: http://en.wikipedia.org/wiki/Storify

BigThink Smarter Faster – Strange Maps

Read more: http://bigthink.com/blogs/strange-maps

Harvard Map Collection

Read more: http://hcl.harvard.edu/libraries/maps/

British Library Georeferencer

Read more: http://www.bl.uk/maps/

British Library – Magnificent Maps Blog

Read more: http://britishlibrary.typepad.co.uk/magnificentmaps/2013/02/bl-georeferencer-maps-go-like-hotcakes-.html

Pinterest

Collect and organize the things you love.

No matter what you’re interested in, there’s a place for it here. (Cartography??)

Read more: http://pinterest.com/

YouTube Cartography

Read more: http://www.youtube.com/watch?v=PoMOjLwFje0&noredirect=1

Flickr – Cartography

Read more: http://www.flickr.com/groups/36521979000@N01/

OZIExplorer

Read more: http://www.oziexplorer.com/
3 High Quality GIS Mapping Software Products Reviewed In Detail, Boffin Announces

In its latest press release, software review website Boffin reveals the top three GIS mapping software for 2013. The Boffin reviewers assessed in great detail the features that shaped the top three list, with Global Mapper named the No. 1 GIS mapping software.

Read more: http://www.prweb.com/releases/2013/4/prweb10632987.htm

In ‘Mapping Manhattan,’ a Point by Point Love Letter to New York


Augmented Reality Sandbox

UC Davis' W.M. Keck Center for Active Visualization in the Earth Sciences (KeckCAVES), together with the UC Davis Tahoe Environmental Research Center, Lawrence Hall of Science, and ECHO Lake Aquarium and Science Center, is involved in an NSF-funded project on informal science education for freshwater lake and watershed science. As part of this project, we are primarily developing 3D visualization applications to teach earth science concepts, but we also built a hands-on exhibit combining a real sandbox, and virtual topography and water created using a closed loop of a Microsoft Kinect 3D camera, powerful simulation and visualization software, and a data projector.

Mappt the new app for mapping and data collection

GIS News - Android Mobile OS

Mappt™ is a new game-changing Android app for technical and professional staff who need to record data in the field and then seamlessly integrate it with desktop GIS systems. Mappt will change how spatial information is created, used, edited and shared between the field and the office.
http://www.gisuser.com/content/view/29794/2/

eSpatial launches free version of its mapping service

Irish company eSpatial released a free version of its mapping service for converting data from CSV files into maps. Those maps can then be embedded on an external website.


NASA's goggle-eyed SPHERE robots create 3D maps on the fly
Take the little floating ball that gave Luke Skywalker so much trouble during lightsaber practice, slap a pair of huge welder’s goggles on it and you start to get a picture of NASA’s latest foray into flying robots. Currently being tested aboard the International Space Station (ISS), MIT Space Systems Laboratory’s SPHERES-VERTIGO system is a free-flying robot with stereoscopic vision that is part of a program to develop ways for small satellites to autonomously create 3D maps of objects such as asteroids or disabled satellites. 


The Value of Free Mapping Tools for Business Analysis

Topo.ly online mapping site is dedicated to help many small, medium, and large businesses identify opportunities for growth or cost reduction. Data visualization brought by mapping easily helps these companies to create step-by-step solutions to specific problems. What's even better is that the leading mapping solution allows the users to create maps for free using Microsoft Excel spreadsheet data in an instant.

Heat maps are used to identify risks and growth opportunities.

http://www.prleap.com/pr/203016/

GrayQb: A new tool for radioactive contamination mapping

GrayQb device is approximately the size of a soccer ball and can be controlled remotely.

Scientists at DOE's Savannah River National Laboratory have developed an innovative new technology named GrayQb. This device is approximately the size of a soccer ball and can locate, identify, and generate a map of radioactive contamination within an enclosed area or outdoor environment or near water sources such as storm drains.


New ‘game-changing’ video mapping system for events launched

Content is initially developed by importing a 3D model into the MIMO software package, allowing a 3D artist to move a virtual projector around to the position which best fits the physical projector’s location. Later, on site, technicians can select any point on the real-life model, adjusting the content without distorting it.

http://www.eventindustrynews.co.uk/2013/05/09/new-game-changing-video-mapping-system-for-events-launched/

Data Points Makes For Surprisingly Fun Number Crunching
Some more links

- 20 free data visualisation tools netmagazine.com
- The Best Free Data Mapping Tools mediarunsearch.co.uk
- Top 10 satnavs telegraph.co.uk
- From mapping to the weather – five apps to make life easier independent
- OpenStreetMap and MapBox launch ‘iD’ editor community mapping tool digitaltrends.com
- Maps Pro - Google Maps Edition for iPad is a mixed bag tuaw.com
- Charts&Tides description mac.softpedia.com
- Digital Mapping: A Way to Get Grounded education.kqed.org
- Free Esri Bookstore App Now Available prnewswire.com
- The power of maps, in history and politics jewishjournal.com
- SpatiaLABS Now Available Free to Esri Educational Site Licensees heraldonline.com
- Monday Tip - Using GPS Abroad outdoorsmagic.com
- How Maps Change Things odtmaps.com
- Crowsflight itunes.apple.com
- Tales from the Map Room amazon.com
- Beautiful, Interactive Maps for the Classroom (Now with GIS Analysis!) directionsmag.com
- Mapping the World bbc.co.uk
- How Do You Determine Accuracy in Mapping? pobonline.com
- What's next for GIS: The fourth dimension gcn.com
- New ‘Google Maps' app for iPhone, iPad brings tricks, treats examiner.com
- Google Maps Engine Gets Free Tier And A Public Data Program To Help Governments, Other Orgs Surface Maps techcrunch
- Google Maps Engine Pro aids businesses in visualizing and sharing data androidcommunity.com
- Mapping the possibilities with GIS technology jsonline.com
Books on Cartography and Related Topics

The West and The Map of The World
A Reappraisal of The Past
Hardcover
Matthew Richardson

Worlds Beyond
The Thrill of Planetary
Exploration as told by Leading
Paperback

Mountains
Hardcover

Earth Condensed
The World Atlas
Paperback

The New Guinea Diaries
1871-1883
Paperback
N. N. Mikiouho-Maplay
R. Wongar

The Times Comprehensive
Atlas of the World
Hardcover
The Times

Children’s Atlas of the Universe
Detailed Maps & Charts
Hardcover
Robert Runham

The Faber Book of Exploration
An Anthology of Worlds
Paperback
Walking and Mapping
Artists as Cartographers
Hardcover
Karen O'Rourke

New Passages
Mapping Your Life Across Time
Paperback
Gail Sheehy

Discover Science
Maps and Mapping
Paperback
Deborah Chancellor

Mapping
Paperback

The History of Cartography
v. 2
Hardcover

Monarchs, Ministers and Maps
Emergence of Cartography
Hardcover

Web Cartography
Developments and Prospects
Paperback
Manon-Ian Kraak

The Spacious Word
Cartography, Literature, and Empire in Early Modern...
Hardcover
Ricardo Padron

The Commerce of Cartography
Making and Marketing Maps
Hardcover
Mary Sponberg Pedley

Mapping Hacks
Tips & Tools for Electronic Cartography
Paperback
Schuyler Erle

Qing Colonial Enterprise
Ethnography and Cartography in Early Modern China
Paperback
Laura Hostetler

The Sovereign Map
Theoretical Approaches in Cartography through Hist...
Hardcover
Christian Jacob