



International Cartographic Association
Association Cartographique Internationale

CARTOGRAPHY

January 2013

A monthly on-line periodical designed to capture the latest Cartography and Geoinformation news and developments from around the world.

(Compiled by David Fraser)

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Quotes

“If you don't have an accurate map, everything else is inaccurate.” Brian McLendon

“The immense cities lie basking on the beaches of the continent like whales that have taken to the land.”

Arnold J. Toynbee http://www.brainyquote.com/quotes/authors/a/arnold_j_toynbee.html#v6QBVTThoFeD6J6I2.99

Mapping In the News

Mapping Japan — what on earth could be cooler than that?

Saturday, Dec. 8, 2012
By [AMY CHAVEZ](#)

According to a recent article in The Japan Times, more and more women are taking to map-reading these days. One reason cited in the article is the influence of the new autumn TV drama called "Sosa Chizu no Onna" ("Woman of Investigative Maps"). The starring role is played by Miki Maya, herself a map lover. So it appears that some women are discovering their closet investigative talents or at least their inner Sherlock Holmes.

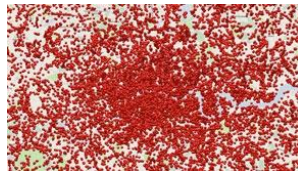
I believe that another reason women are so keen on map-reading has to do with the fact that Ino Tadataka (1745-1818) is a household name in Japan. A surveyor and cartographer, Ino is responsible for coming up with the first modern map of Japan.

Read more at: <http://www.japantimes.co.jp/text/fl20121208cz.html>

Mapping the Blitz

Echoes of an air raid
Dec 7th 2012, 19:06 by P.K.

.....I came across a website that went live today called [Bomb Sight](#). It has geo-referenced maps from The National Archive and plotted every bomb that fell on what was then the County of London between October 1940 and June 1941 with a red marker (an example is below).



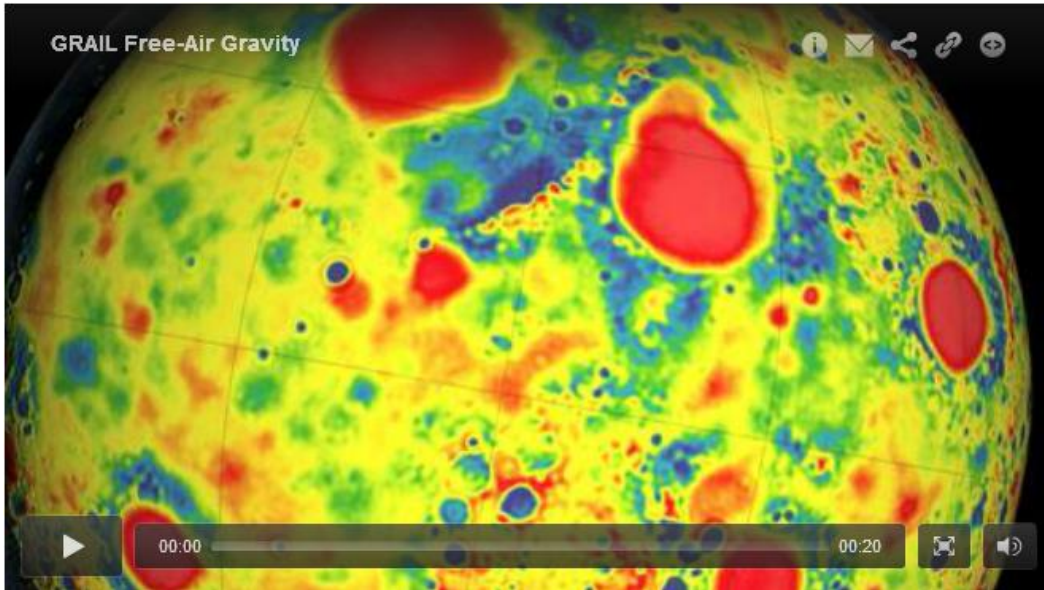
Read more at: <http://www.economist.com/blogs/graphicdetail/2012/12/mapping-blitz>

Twin Gravity-Mapping Probes Peer Into the Moon's Secrets

By [Nadia Drake](#)
12.05.12
SAN FRANCISCO

Earth's nearest neighbor – the moon – is rife with mysteries, but twin moon-mapping space probes are helping scientists move closer to answers. Early data from NASA's [Gravity Recovery and Interior Laboratory](#) (GRAIL) mission, which maps the moon's gravity field, reveals some surprises.

"We see a picture of the moon being far more broken up and shattered than we've seen before," said planetary scientist [Maria Zuber](#) of MIT



Read more at: <http://www.wired.com/wiredscience/2012/12/grail-moon-probes-results/>

Indoor map tech poses challenges, opportunities

Roger Yu, USA TODAYShare

Digital cartographers view indoor space as an untapped but potentially lucrative field.

10:50PM EST November 26, 2012 - The blue dot marks your spot at the Fernbank Museum of Natural History in Atlanta.

In an experiment with a mobile technology that has digital cartographers intrigued worldwide, the museum introduced a new "you are here" app feature this month that shows smartphone-toting visitors exactly where they are inside the museum.



GPS is mostly useless indoors, so the the technology designers — a group that includes Cisco Systems, Qualcomm and indoor map developer Meridian — relied on Wi-Fi access points to detect the smartphones within their coverage area in the museum. The museum doubled the number of the Wi-Fi access points within the building to enhance accuracy.

Read more at: <http://www.usatoday.com/story/tech/2012/11/26/indoor-map-technology-poses-challenges-and-opportunities/1698739/>

Infographic: *Mapping 50 Years Of Rolling Stones Concerts*

To show off their latest version release, CartoDB, a data viz *mapping* toolset, *mapped* every Rolling

Read more at: <http://www.fastcodesign.com/1671379/infographic-mapping-50-years-of-rolling-stones-concerts#1>

Google's Mr Maps sets his sights on world delineation

Brian McClendon presides over Google's ambitious attempt to map the world, from street plans to penguins and beyond

Google is throwing its considerable resources into building arguably the most comprehensive map ever made. It's all part of the company's self-avowed mission is to organize all the world's information, says McClendon.

"You need to have the basic structure of the world so you can place the relevant information on top of it. If you don't have an accurate map, everything else is inaccurate," he says.



Read more at: <http://www.guardian.co.uk/technology/2012/dec/07/google-maps-street-view-world>

Kiwi DNA hunt aims to trace journeys

Matt Stewart

If Auckland is our most multicultural city and Dunedin our most Scottish, then what's in Wellington's DNA?

New research aims to find out by mapping the nation's genetic heritage for the first time.

The research could provide a snapshot of the lineage of all human history, says biological anthropologist Lisa Matisoo-Smith, who is leading a two-year study: "The longest journey - from Africa to Aotearoa".

Starting next year, the survey will collect DNA from about 1000 Kiwis in Wellington, Auckland, Hamilton, Christchurch and Dunedin.

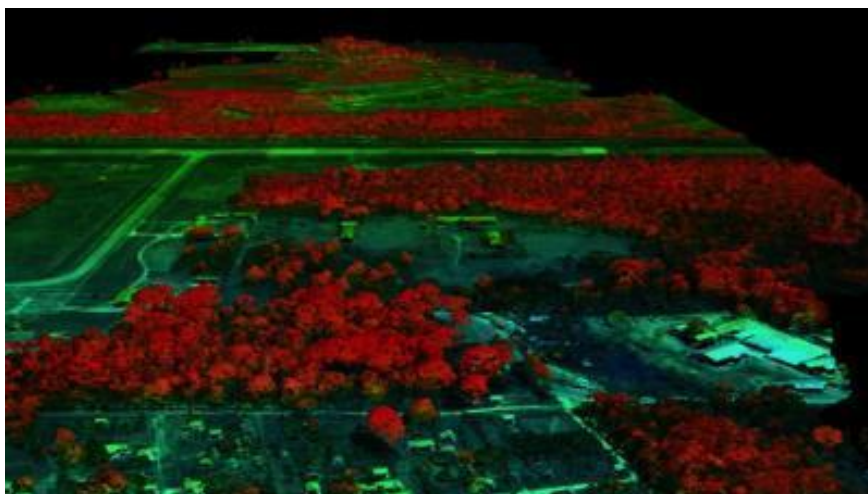
"For example, we will be able to see if the genetic history of the population of Dunedin, with its strong Scottish heritage, is significantly different from that of Auckland or Wellington," Professor Matisoo-Smith said.

Read more at: <http://www.stuff.co.nz/science/8052836/Kiwi-DNA-hunt-aims-to-trace-journeys>

Researchers Debut Revolutionary Biosphere Mapping Capability

Dec. 4, 2012

Researchers from the Carnegie Institution are rolling out results from the new Airborne Taxonomic Mapping System, or AToMS, for the first time at the American Geophysical Union (AGU) meetings in San Francisco. The groundbreaking technology and its scientific observations are uncovering a previously invisible ecological world.



The colors represent the different vegetation. (Credit: The Carnegie Airborne Observatory)

Read more at: <http://www.sciencedaily.com/releases/2012/12/121204112458.htm>

Africa: World Bank Urges Mapping of Natural Resources

4 December 2012

Maputo — African countries endowed with enormous reserves of natural resources should undertake detailed mapping of them, in order to be in a better condition to negotiate contracts with companies wishing to exploit those resources, advised the World Bank's deputy president for poverty reduction and economic management, Otaviano Canuto, in Maputo on Tuesday.

Read more at: <http://allafrica.com/stories/201212050072.html>

A Mapping App For The Blind Talks You Through The Neighborhood

BlindSquare uses FourSquare check-ins to give the visually impaired a sense of what's popular, reads them the menu, and then directs them to the destination. Checking in on FourSquare no longer just lets your friends (or stalkers) know which bar to find you at. Thanks to the new iPhone and iPad app [BlindSquare](#) (which builds on similar efforts by a [smartphone-equipped cane](#)), that data now helps the blind and visually impaired navigate unfamiliar turf. By aggregating FourSquare data and processing it through Apple's speech synthesis program VoiceOver, BlindSquare renders a neighborhood's geography for the ear, as opposed to the eye.

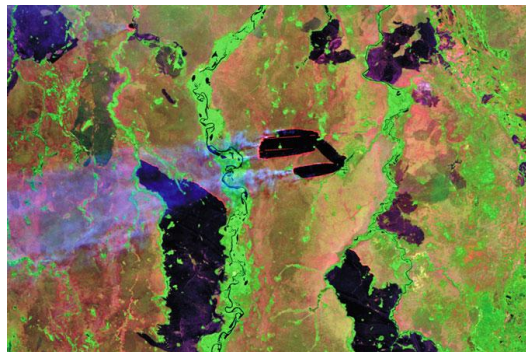
Read more at: <http://www.fastcoexist.com/1681005/a-mapping-app-for-the-blind-talks-you-through-the-neighborhood>

The changing face of Brazil's deforestation

[Rob Sawers](#)
08 Dec 2012

As Brazil reins in its deforestation of the Amazon, other regions are bearing the brunt of rapid economic expansion.

Brazil's satellite monitoring project for the Amazon photographs the land at a high enough resolution to distinguish between original canopy forest and deforested landscapes.



Read more at:

<http://www.aljazeera.com/indepth/features/2012/12/2012127145439914653.html>

Gifted students cache in on GIS technology comp

Thursday, December 6th 2012

[ESRI Australia](#) | Perth, Western Australia

An award-winning group of gifted year seven students from Perth's northern suburbs have partnered with Australia's largest intelligent mapping company to tap into a world-wide, high-tech treasure-hunt that promotes healthy outdoor living for kids. The Primary Extension and Challenge (PEAC) program students won the Middle School section of the Spatial Technology in Schools (STiS) competition, in which schoolkids use intelligent mapping technology to solve a real-life problem, with the guidance of an industry mentor. Wanting to tackle the worrying trend of children spending more and more time playing indoors, the students turned to an emerging global phenomenon known as 'geocaching' – in which participants hide caches in secret locations for others to find using geography-based clues and technology.

For their project the North Metropolitan Education Region PEAC students used Geographic Information System (GIS) technology provided by industry specialists Esri Australia to identify locations for six caches that would encourage kids to play outdoors.



Read more at: <http://www.directionsmag.com/pressreleases/gifted-students-cache-in-on-gis-technology-comp/295842>

National Geographic Live: Mapping Climate Change in Blue Holes

Science

by [Zain Iqbal](#)

Anthropologist and explorer Kenny Broad has recently tackled research on a variety of environmental issues in a unique, head-on fashion, or should we say head first—literally. The 2011 National Geographic Explorer of the year has spent much of his time diving into subterranean underwater caves in the Bahamas, known as blue holes, in order to better understand problems above ground such as climate change and natural resource management.

Spelunking in Bahamian caves systems and trying to solve societal problems seem rather disconnected at first, but Broad has discovered important clues inside these freshwater reserves that in turn help us understand the ecosystem on the outside.

Read more at: <http://blog.fora.tv/2012/12/national-geographic-live-mapping-climate-change-in-blue-holes/>

Bad Apple?

POLICE are warning motorists not to rely on Apple's new mapping system on its popular iPhones after a number of motorists were directed into life-threatening situations.

iPhone users who have upgraded to the system's new iOS 6 operating system are at risk of ending up off the beaten track, police have warned.

The alert follows revelations that the mapping system lists Mildura in the middle of the Murray Sunset National Park, about 70km away from the actual location of Mildura.

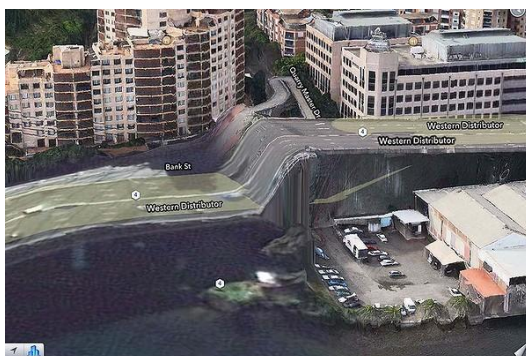
Local police have been called to assist distressed motorists who have become stranded within the Murray-Sunset National Park after following directions on their Apple iPhone.

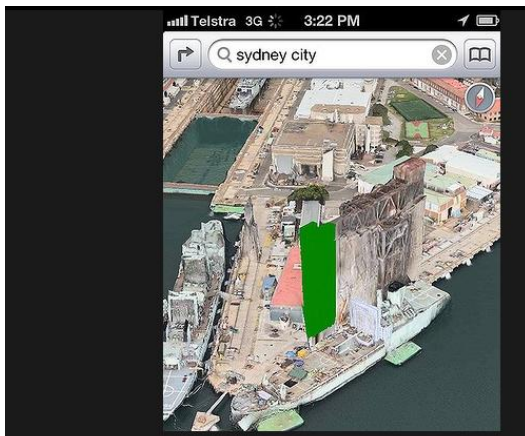
.....

In a letter posted on Apple's website, Mr Cook suggested customers use competitors' maps software — including the web version from rival Google — until Apple could improve its own mapping software. He didn't say when or how that would take place.

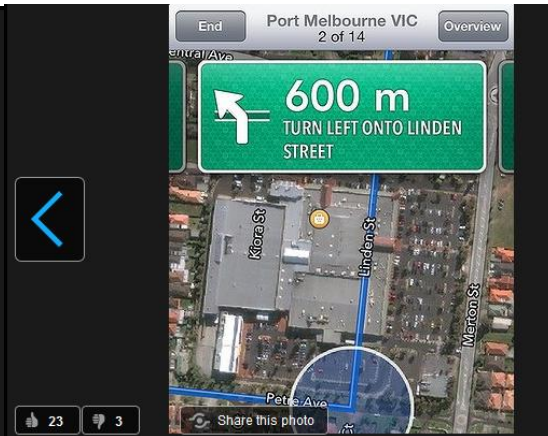
Read more: <http://www.news.com.au/technology/apples-latest-ios-6-maps-system-is-luring-motorists-into-danger-police-warn/story-e6frfo0-1226533592620#ixzz2EdCm6Jt5>

The worst of Apple maps

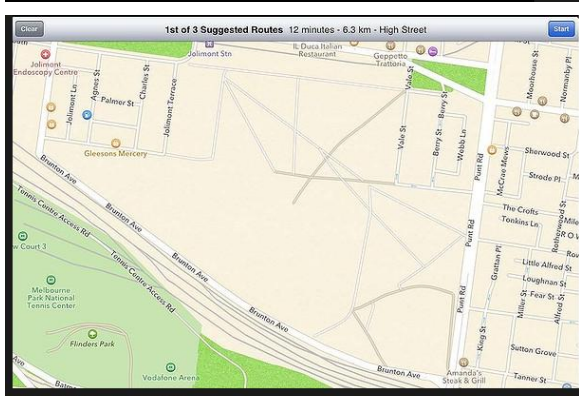




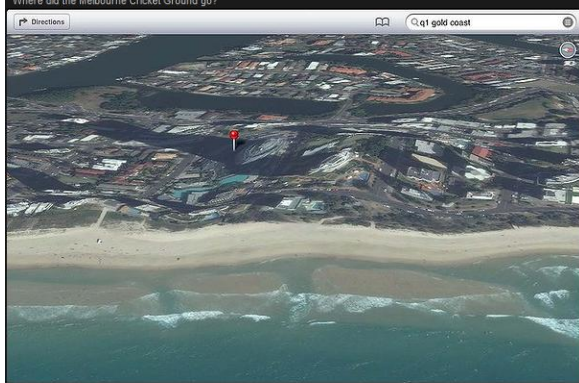
The crane at Garden Island in Sydney.



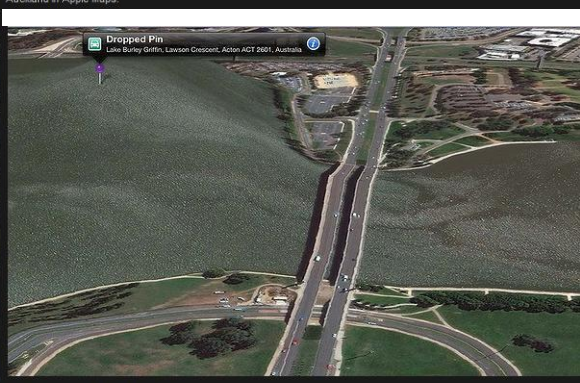
At the next corner, please drive through the shopping centre.



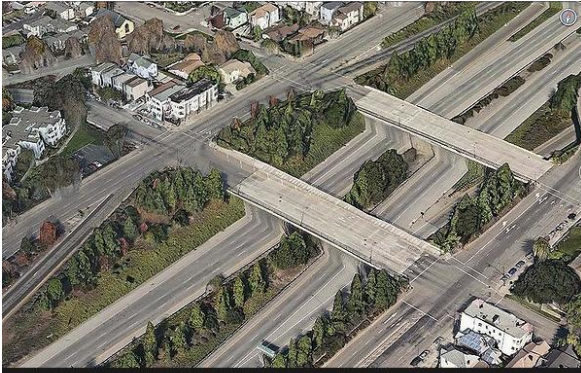
Where did the Melbourne Cricket Ground go?



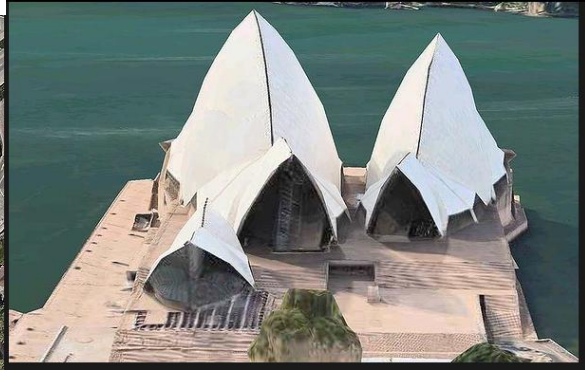
Apparently, this is the Q1 building on the Gold Coast.



Is that a mountain or Lake Burley Griffin?



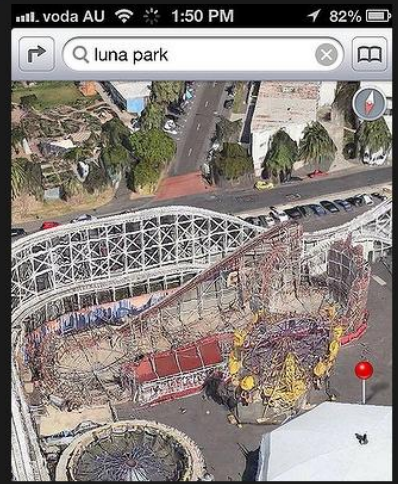
The Amazing iOS 6 Maps' blog jokes Oakland's 980 freeways in the US have "new rock climbing walls".



A wobbly-looking Sydney Opera House.



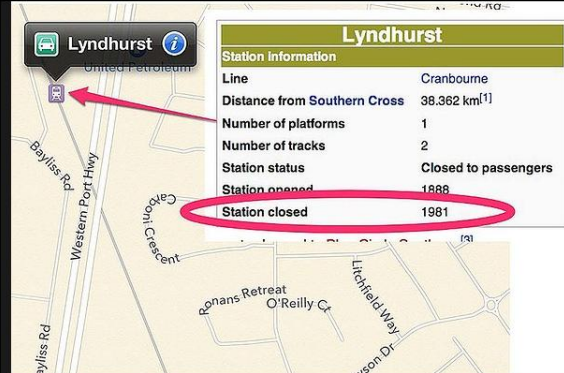
Reader Simon Kalgren sent this in showing the Polly Woodside boat docked in Melbourne on Apple Maps.



Luna Park in Melbourne.



The Tacoma Narrows Bridge in Washington is looking a little worse for wear on Apple Maps.



This image submitted to Fairfax by Twitter user toholio shows a train station in Melbourne on Apple Maps that closed 31 years ago.



See more at: <http://www.theage.com.au/photogallery/technology/technology-news/the-best-of-the-worst-in-apple-maps-20120921-26aop.html?selectedImage=0>

Apple Caves to Maps Outrage Adding Google Tool on iPhone

Brian Womack
Dec 14, 2012



Karly Domb Sadof/AP Photo

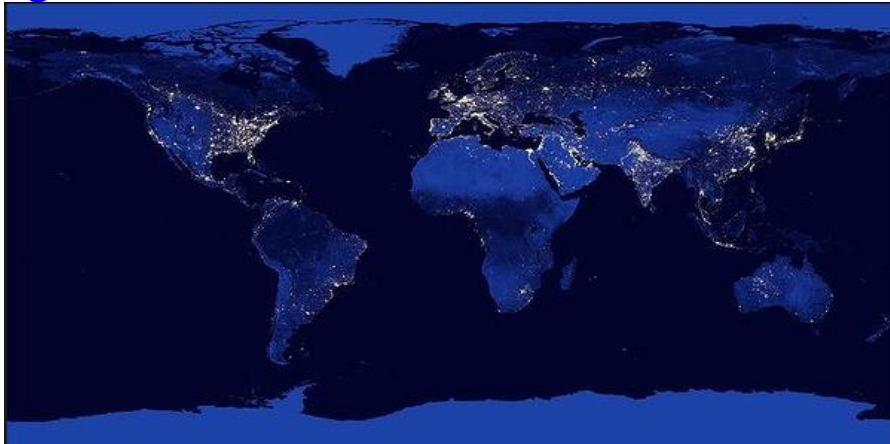
The new Apple Maps application on an iPad.

[Apple Inc. \(AAPL\)](#), caving to user outrage over faulty directions in its home-grown navigation tool, has let [Google Inc. \(GOOG\)](#)'s mapping application back onto the iPad and iPhone mobile devices.

Read more at: <http://www.bloomberg.com/news/2012-12-13/google-unveils-mapping-application-for-apple-iphone-ipad-users.html>

NASA Night Vision

NASA Night Vision



The city lights of Europe, North Africa and the Middle East at night. Photo: NASA

<http://www.theage.com.au/photogallery/technology/sci-tech/nasas-night-vision-20121207-2azi5.html>

Cartography Links

Thanks to <http://www.onlineclasses.org/2011/03/10/83-awesome-links-for-cartography-geeks/> for these 83 links:

83 Awesome Links for Cartography Geeks

Map making is not what it used to be. With new resources, tools, and more, 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.
9. [The British Cartographic Society](#): The British Cartographic Society promotes all aspects of cartography in Britain and beyond.
10. [IMTA](#): The International Map Trade Association connects the business of mapping all over the world.
11. [NPMMap](#): NPMMap 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.
48. [National Atlas](#): Create printable maps, wall maps, and more using National Atlas.
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 notes 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.

Cartographic Resources

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 1: Size and resolution of commonly used liquid crystal displays (LCD) (Jenny, et al 2008)

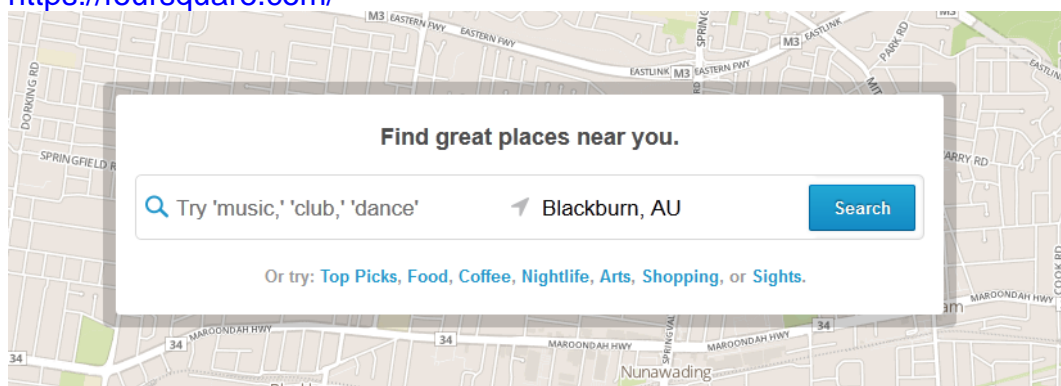
Display Size	Number of pixels	Visible area	Pixel size	Resolution dpi
17"	1280 x 1024	338 x 270 mm	0.264 mm	96
19"	1280 x 1024	376 x 301 mm	0.294 mm	86
20"	1400 x 1050	408 x 306 mm	0.292 mm	87
20"	1600 x 1200	408 x 306 mm	0.255 mm	100

Table 2: Size and resolution of the market-leading tablet devices (Apple, 2011; Samsung 2012)

Model	Display size	Number of pixels	Visible area	Pixel size	Resolution ppi
Samsung Galaxy 2 10.1	10.1"	1280 x 800	218 x 136 mm	0.17 mm	149
Samsung Galaxy Tab	7"	1024 x 600	154 x 90 mm	0.15 mm	169
iPad and iPad 2	9.7"	1024 x 768	197 x 148 mm	0.192 mm	132
new iPad	9.7"	2048 x 1536	197 x 148 mm	0.096 mm	264

FOURSQUARE

<https://foursquare.com/>



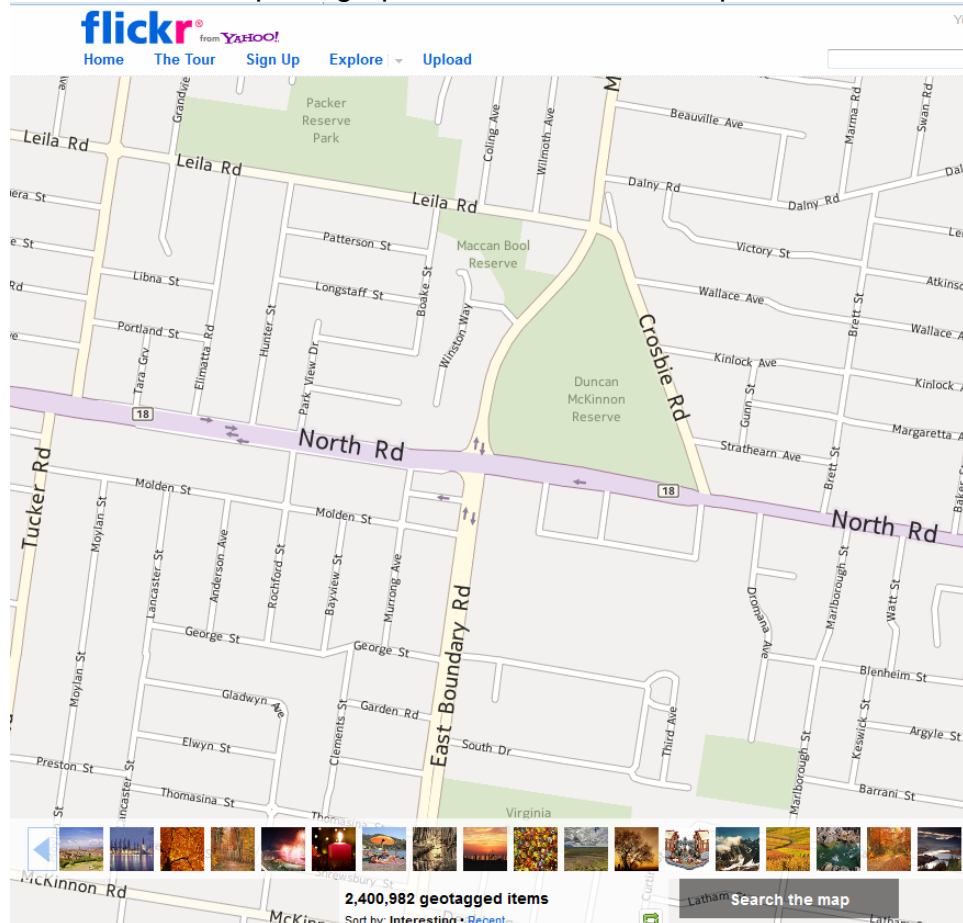
Foursquare is a location-based [social networking](#) website for [mobile](#) devices, such as [smartphones](#). Users "[check in](#)" at venues using a [mobile website](#), [text messaging](#) or a device-specific [application](#) by selecting from a list of venues the application locates nearby.^[3] 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



Teachers | Informal Educators | Families | Students | Kids

Teaching Resources | Reference & News | **Mapping** | Media | Collections | Get Involved | Geo-Literacy | Search

Mapping | **MapMaker Interactive**
Explore your world with map themes, data, and tools for customizing your map

EMAIL | PRINT | SHARE | LINK


Select a region to explore REGION --Select--

THEMES

- Physical Systems - Water
- Physical Systems - Land
- Physical System - Climate
- Human Systems - Populations & Culture
- Human Systems - Political & Economic
- Environment and Society

DRAWING TOOLS

MARKERS



Map showing Southeast Asia, Oceania, and the South Pacific Ocean. Labels include: Bangkok, CAMB., China Sea, PHILIPPINES, BRU, MALAYSIA, Jakarta, INDONESIA, P.N.G., SOLOMON ISLANDS, VANUATU, FIJI, TONGA, SAMOA, Wharthen Basin, TROPIC OF CAFRICORN, AUSTRALIA, Tasman Sea, NEW ZEALAND, Southeast Indian Ridge, SOUTH PACIFIC OCEAN.

http://education.nationalgeographic.com.au/education/mapping/interactive-map/?ar_a=1

Megamaps

MEGAMAPS: Print maps large or small

Map your World

Print maps large or small; from 1 page to almost 7 feet across; PC or Mac. For classroom and student use. Free online software - no downloading or installation

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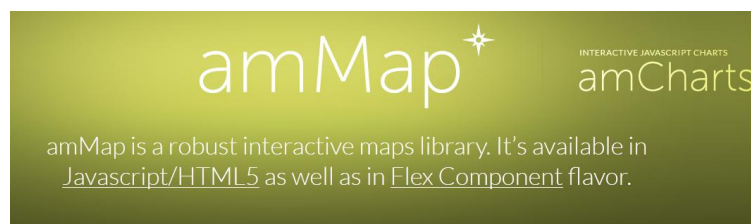
[Maps of Australia and Southeast Asia](#)

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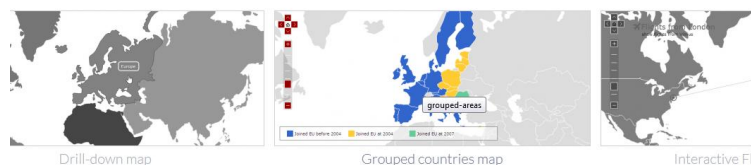
[Maps of Central America and Central American countries](#)

<http://www.yourchildlearns.com/megamaps.htm>

amMap – Interactive maps library



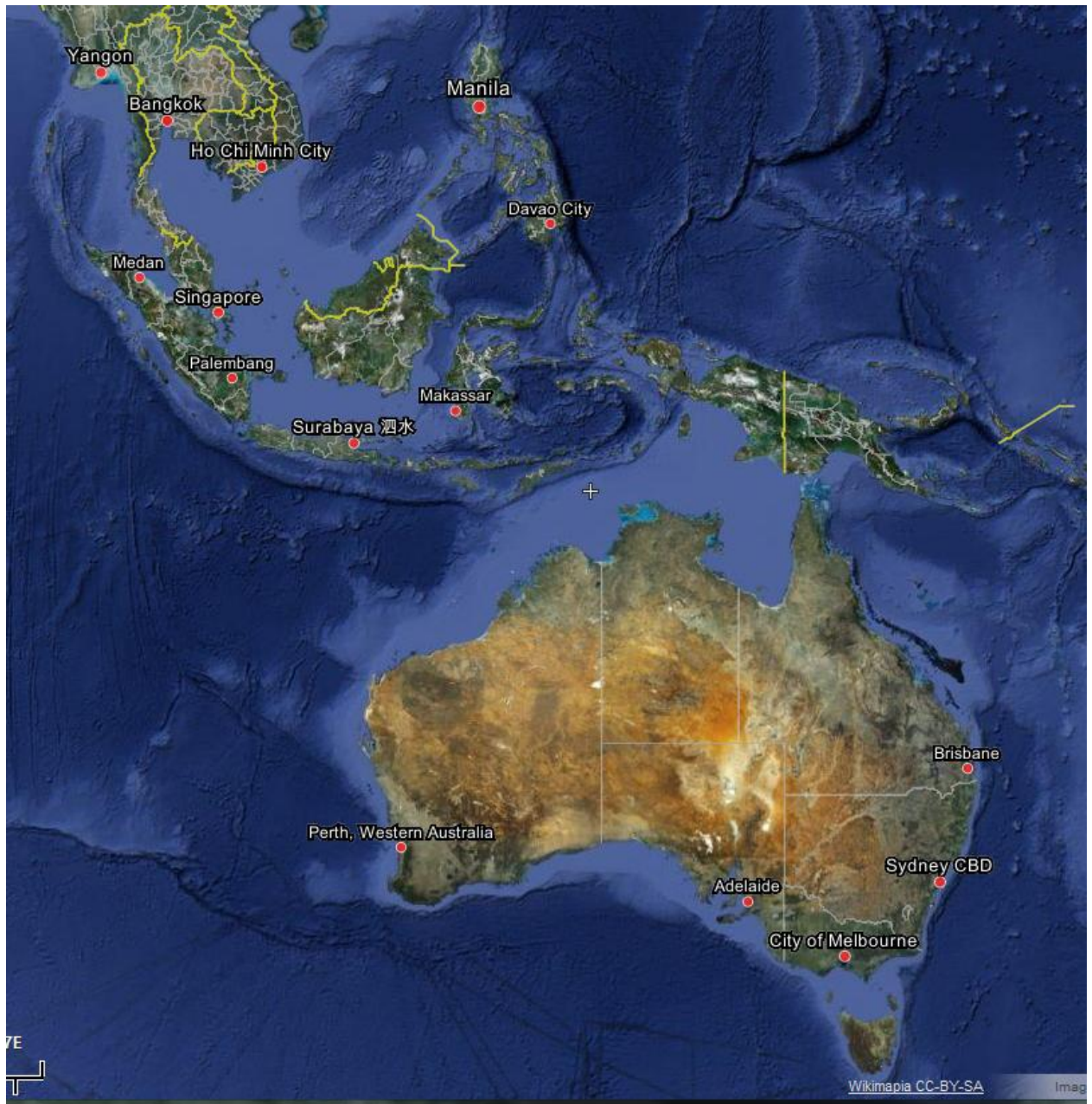
The amMap package includes libraries that allow easy addition of interactive maps to your web applications.



<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

Avenza PDF Maps

By Avenza Systems Inc.

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Description

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What's New in Version 1.5.1

- Compatible with iOS 6 and iPhone 5
- Bug fixes and usability enhancements

<https://itunes.apple.com/au/app/avenza-pdf-maps/id388424049?mt=8>

Spatial Turn

What is the Spatial Turn?

[Jo Guldi](#)

What is a turn? Humanities scholars speak of a quantitative turn in history in the 1960s, a linguistic and cultural turn of the 1980s in history and literature, and even more recently an animal turn. Beyond the academy, to turn implies retrospection, a process of stopping in the road and glancing backwards at the way by which one has come.

“May the weary traveler turn from life’s dusty road and in the wayside shade, out of this clear, cool fountain drink, and rest”R. E. Speer, “Robert Burns,” *Nassau Literary Magazine* 43 (1888): 469.

“Landscape turns” and “spatial turns” are referred to throughout the academic disciplines, often with reference to GIS and the neogeography revolution that puts mapping within the grasp of every high-school student. By “turning” we propose a backwards glance at the reasons why travelers from so many disciplines came to be here, fixated upon landscape, together. For the broader questions of landscape — worldview, palimpsest, the commons and community, panopticism and territoriality — are older than GIS, their stories rooted in the foundations of the modern disciplines. These terms have their origin in a historic conversation about land use and agency.

<http://spatial.scholarslab.org/spatial-turn/what-is-the-spatial-turn/>

Spirit of Place

Spirit of place (or soul) refers to the unique, distinctive and cherished aspects of a place; often those celebrated by artists and writers, but also those cherished in [folk tales](#), [festivals](#) and celebrations. It is thus as much in the invisible weave of culture ([stories](#), art, memories, beliefs, histories, etc.) as it is the tangible physical aspects of a place ([monuments](#), boundaries, [rivers](#), [woods](#), architectural style, [rural crafts](#) styles, pathways, [views](#), and so on) or its [interpersonal](#) aspects (the presence of [relatives](#), [friends](#) and kindred spirits, and the like).

Often the term is applied to a rural or a relatively unspoiled or regenerated place — whereas the very similar term [sense of place](#) would tend to be more domestic, [urban](#), or [suburban](#) in tone.

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

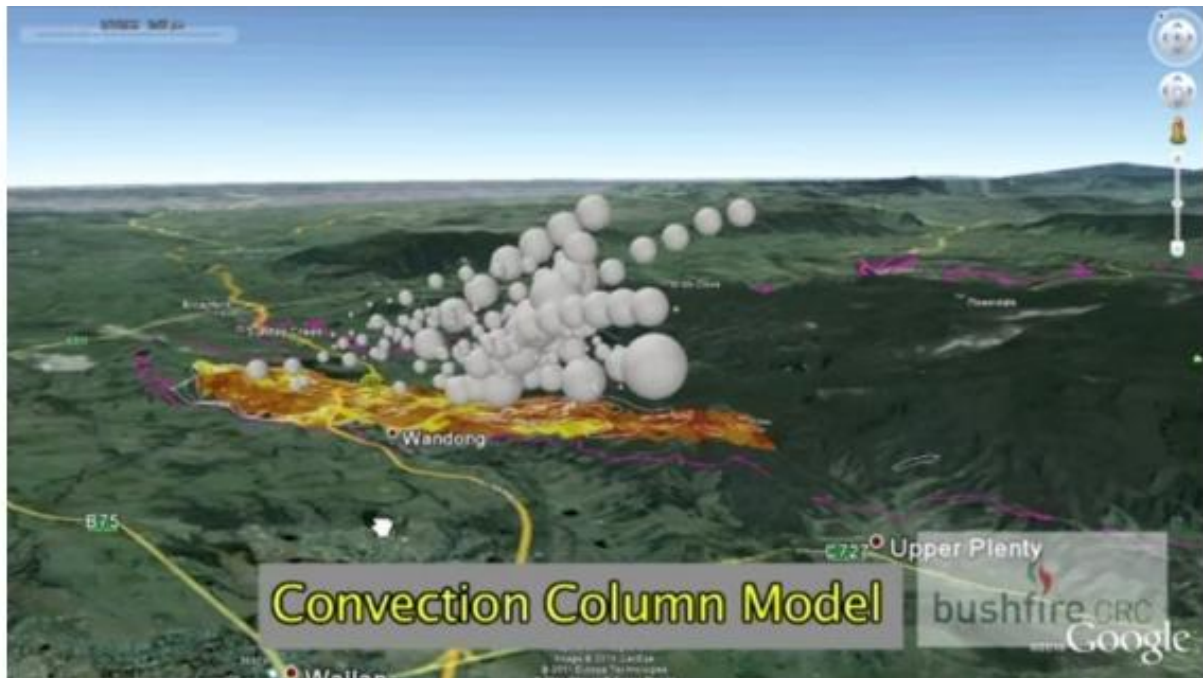
Phoenix Rapidfire – A Bushfire Simulator and Risk Assessment Decision Support Tool

CRC Member: Author or Source Reference:

[Dr Kevin Tolhurst](#)
[Derek Chong](#)

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[Phoenix Rapidfire – A Bushfire Simulator and Risk Assessment Decision Support Tool](#)



<http://www.bushfirecrc.com/resources/poster/phoenix-rapidfire-%E2%80%93-bushfire-simulator-and-risk-assessment-decision-support-tool>

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Check out the newest additions and enhancements to GeoTime with the *GeoTime 5.3 - What's New Video Series*.

Interesting Pattern Finder

Automatically locate locations that are visited frequently by entities in GeoTime

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New in GeoTime 5.3 is the addition of the Interesting Location Finder, which assist analysts in finding locations that get frequent visits by one or more individuals over time. This can be useful when looking for meeting places, high traffic areas, popular sites, etc.

<http://www.geotime.com/Product/GeoTime-%281%29/What-s-New-in-GeoTime-5-2/Announcing-GeoTime-5-3-%281%29.aspx>

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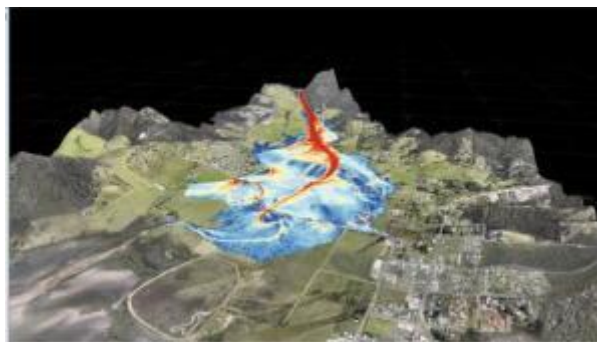
<http://evernote.com/>

Applications

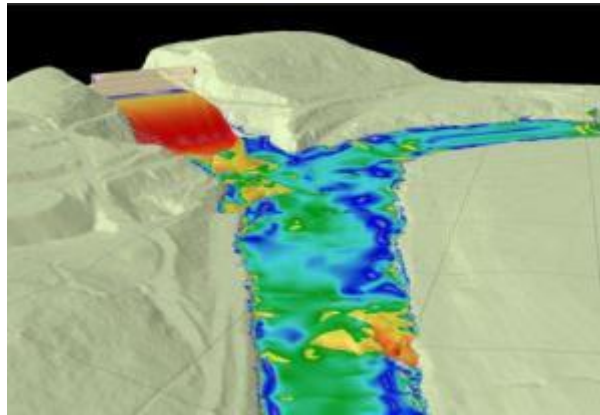
Eonfusion Flood - Introducing interactive hydrodynamic modeling software

Published on Fri, 09/11/2012, 02:33:39

Eonfusion Flood is the latest software package to be released by Myriax Software Pty Ltd. Fast, interactive grid and particle based hydrodynamic modeling is now available in one software package. Designed for water professionals, Eonfusion Flood provides the unique ability to run both 2D grid and 3D particle-based hydrodynamic simulations inside an immersive user environment.



Applications for Eonfusion Flood include the spatial and temporal dynamics of flooding in rivers and floodplains, dam break and overtopping scenarios and urban flood risk assessment.

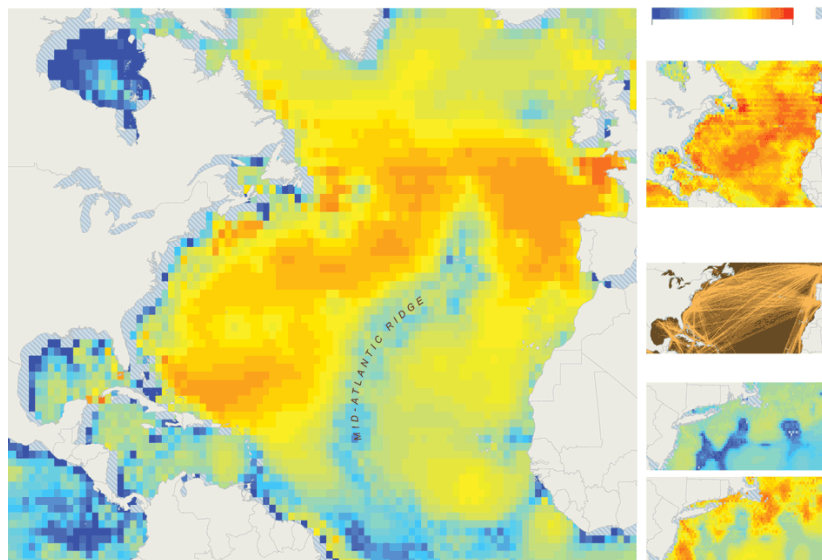


Read more at: <http://www.spatialsource.com.au/2012/11/09/article/Eonfusion-Flood--Introducing-interactive-hydrodynamic-modeling-software/YSZLNYPNP.html>

Mapping Ocean Noise

Published: December 10, 2012

A project to document and map man-made noise in the ocean estimated average annual underwater noise across a range of frequencies. Sources of noise include seismic surveys, commercial shipping and passenger ships.



NORTH ATLANTIC Noise from tankers, cargo and passenger ships. Frequencies are in a 1/3-octave band centered on 400 Hz.

Note: Maps show noise levels at a depth of 50 feet and a standard reference sound pressure of 1 micropascal.

Sources: NOAA Underwater Sound Field Mapping Working Group; HLS Research; NCEAS

Read more at: <http://www.nytimes.com/interactive/2012/12/10/science/1211-ocean.html>

iPhone 6 display 'to have 3D mapping sonar'

10 December, 2012 by David Price

Recent Apple patents point to upgraded features in the iPhone 6's screen – potentially including the ability to listen to and map out the world around it using microphone diaphragms and sonar. Meaning, the iPhone 5 could ship with sonar capabilities.



The humpback whale, which uses sonar, just like an iPhone 6. Possibly.

Picture courtesy of [Wikipedia](#)

iPhone 6 rumour: audio-detecting screen

Last week the US patent office published an application from Apple that covered the integration of audio sensors into its displays. This could apply to any and all Apple screens, of course, but a portable device could benefit from incorporating such elements into the screen and thus slimming down elsewhere, which we'll come to shortly.

Read more at: <http://www.macworld.com.au/news/iphone-6-display-to-have-3d-mapping-sonar-81942/>

Books

The Great Race: The Race Between the English and the French to Complete the Map of Australia

by [David Hill](#)



[Open the Book](#)

The thrilling race between Frenchman Nicolas Baudin and Englishman Matthew Flinders to chart the map of Australia.

Available Formats

- The Great Race: The Race Between the English and the French to Complete the Map of Australia Trade Paperback **ISBN:** 9781742751092 **Published:** 18/10/2012 **Imprint:** William Heinemann Australia **Extent:** 400 pages **Subject:** [Australasian & Pacific history](#) \$34.95 RRP [Buy Now](#)
- The Great Race: The Race Between the English and the French to Complete the Map of Australia EBook

Synopsis

The thrilling race between Frenchman Nicolas Baudin and Englishman Matthew Flinders to chart the map of Australia.

On the afternoon of 8 April 1802, in the remote southern ocean, two explorers had a remarkable chance encounter. Englishman Matthew Flinders and Frenchman Nicolas Baudin had been sent by their governments on the same quest: to explore the uncharted coast of the great south land and find out whether the west and east coasts, four thousand kilometres apart, were part of the same island.

And so began the race to compile the definitive map of Australia. These men's journeys were the culmination of two hundred years of exploration of the region by the Dutch – most famously Abel Tasman – the Portuguese, the Spanish and by Englishmen such as the colourful pirate William Dampier and, of course, James Cook.

The three-year voyages of Baudin and Flinders would see them endure terrible hardships in the spirit of discovery. They suffered scurvy and heat exhaustion, and Flinders was shipwrecked and imprisoned – always knowing he was competing with the French to produce the first map of this mysterious continent.

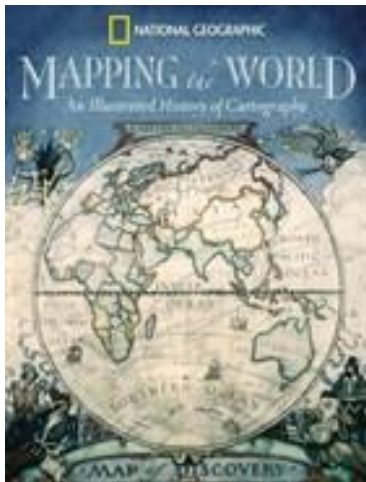
Written from diaries and other first-hand accounts, this is the thrilling story of men

whose drawings recorded countless previously unknown species and turned mythical creatures into real ones, and whose skill and determination enabled Terra Australis Incognita to become Australia.

<http://www.randomhouse.com.au/books/david-hill/the-explorers-9781742751092.aspx>

Mapping The World National Geographic

by [Ralph E Ehrenberg](#)



A one-of-a-kind collection of cartographic treasures.

Available Formats

- Mapping The World National Geographic Hardback **ISBN:** 9780792265252
Published: 01/12/2005 **Imprint:** National Geographic **Subject:** [Travel maps & atlases](#) \$64.95 RRP [Buy Now](#)

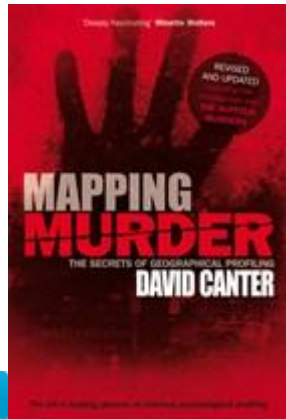
Synopsis

MAPPING THE WORLD is a one-of-a-kind collection of cartographic treasures that spans thousands of years and many cultures, from an ancient Babylonian map of the world etched on clay to the latest high-tech maps of the earth, seas, and the skies above. With more than one hundred maps and other illustrations and an introduction and running commentary by Ralph E. Ehrenberg, this book tells a fascinating story of geographic discovery, scientific invention, and the art and technique of mapmaking. MAPPING THE WORLD is organized chronologically with a brief introduction that places the maps in their historical context. Special 'portfolios' within each section feature key cartographic innovators and maps of exceptional artistic quality or significance, such as the 1507 Waldseemüller Map, the first to use the name America. Unusual and surprising maps are also presented, including a set of playing cards that contained a secret escape map for American prisoners in Germany during World War II. With its broad historical and cultural range, unmatched variety of maps from the finest map collections in the world, more than one hundred illustrations, and a fresh and authoritative perspective on the history of cartography, MAPPING THE WORLD will delight everyone with an interest in maps and mapmaking like no other book on the subject.

<http://www.randomhouse.com.au/books/ralph-e-ehrenberg/mapping-the-world-national-geographic-9780792265252.aspx>

Mapping Murder: The Secrets of Geographical Profiling

by [David Canter](#)



[Open the Book](#)

'Deeply fascinating. Canter surpasses Stephen Hawking in making a difficult and complex science accessible to the layperson.' Minette Walters

Available Formats

- Mapping Murder: The Secrets of Geographical Profiling Paperback **ISBN:** 9780753513262 **Published:** 03/12/2007 **Imprint:** Virgin Books **Extent:** 352 pages **Subject:** [Crime & criminology](#) \$19.95 RRP [Buy Now](#)

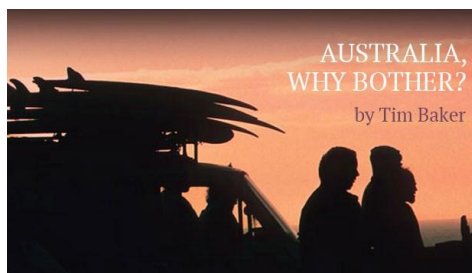
Synopsis

'Criminals reveal who they are and where they live not just from how they commit their crimes, but also from the locations they choose.' So claims renowned criminal psychologist and profiler David Canter. Fully revised and updated, Canter's groundbreaking book leads the reader through the labyrinth psyches of serial killers, rapists and other violent criminals and takes us on the murderer's journey, in both the psychological and geographical sense. From contentious cases such as Jack the Ripper and Jill Dando, to the murders of Fred West, Canter lifts the lid on geographical profiling and how this new approach to solving crime is changing the way police work and our understanding of the criminal mind.

<http://www.randomhouse.com.au/books/david-canter/mapping-murder-the-secrets-of-geographical-profiling-9780753513262.aspx>

Australia, Why Bother?

by [Tim Baker](#) on 21 November 2011

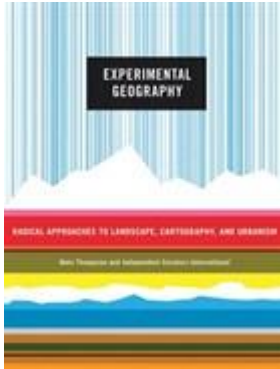


Having just driven 27,000 km over eight months with our family of four around this vast island nation of ours, I feel I can address the above question with some qualification.

<http://www.randomhouse.com.au/blog/australia-why-bother-1415.aspx>

Experimental Geography

by [Nato Thompson](#)



Available Formats

- Experimental Geography Trade Paperback **ISBN:** 9780091636586
Published: 15/05/2009 **Imprint:** Melville House **Subject:** [Contemporary Fiction](#) \$49.95 RRP [Buy Now](#)

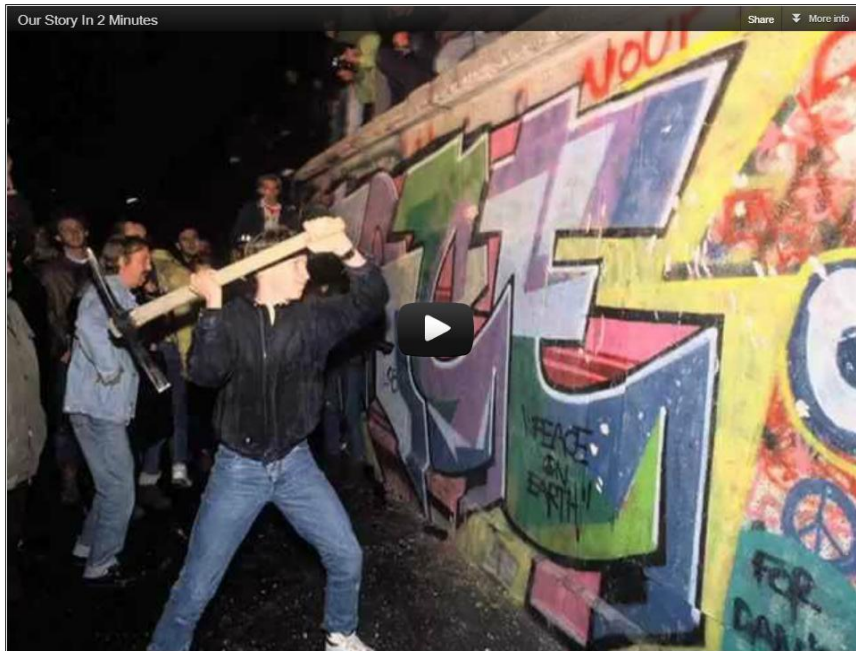
Synopsis

A photo of a secret CIA prison. A map designed to help visitors reach Malibu's notoriously inaccessible public beaches. Guidebooks to factories, prisons, and power plants in upstate New York. An artificial reef fabricated from 500 tonnes of industrial waste. These are some of the more than one hundred projects represented in [Experimental Geography](#), a ground breaking collection of visual research and mapmaking from the past ten years. Experimental Geography explores the distinctions between geographical study and artistic experience of the earth, as well as the juncture where the two realms collide (and possibly make a new field altogether). This lavishly illustrated book features more than a dozen maps; artwork by Francis Al's, Alex Villar, and Yin Xiuzhen; and recent projects by The Center for Land Use Interpretation, the Raqs Media Collective, and the Center for Urban Pedagogy. The collection is framed by essays by bestselling author Trevor Paglen, Jeffrey Kastner, and editor Nato Thompson.

<http://www.randomhouse.com.au/books/nato-thompson/experimental-geography-9780091636586.aspx>

Potted Histories

A History of the World in Two Minutes



See it at: <http://marcbrecy.perso.neuf.fr/history.html>

2012 in Sixty Seconds



See it at: http://media.theage.com.au/national/selections/2012-in-60-seconds-3906398.html?exc_from=strap

CONFERENCES

Go to the ICA website:

<http://icaci.org/calendar/>