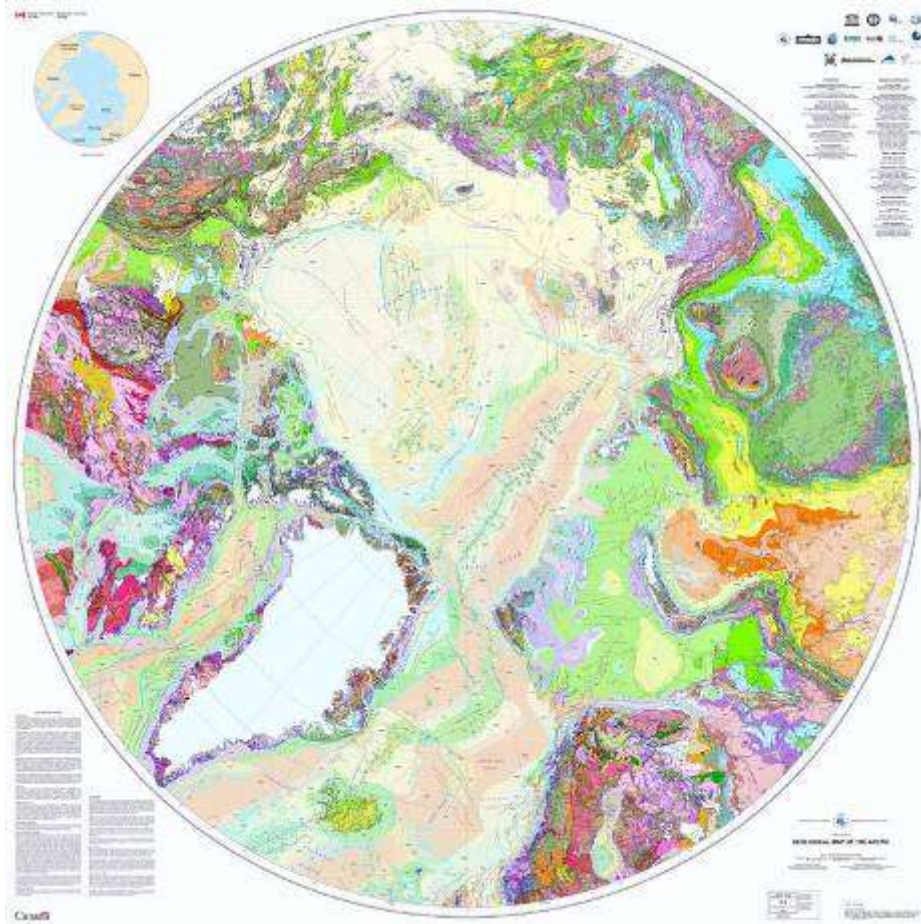




International Cartographic Association
Association Cartographique Internationale



<http://geologicfroth.com/the-geologic-map-of-the-arctic-an-amazing-map>

CARTOGRAPHY

March 2013

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

If you have any general cartography items of interest then please email them to davidfraser60@gmail.com

Content

Quotes.....	2
Mapping In the News.....	2
3D Cartography	9
Maritime Cartography.....	12
Disaster Mapping	15
Resources	19
Applications.....	25
Our Acronyms – Don't You Just Love Them	35
Conferences.....	35

Quotes

"I am confident that we have been on a difficult journey but we are very close to being complete - having maps that are fit for purpose," Ms O'Neill.

<http://www.independent.ie/irish-news/eu-farming-map-error-unfortunate-29111160.html>

Mapping In the News

Google Maps goes to the top of the world

March 19, 2013 - 8:26AM

Google has added views from some of the world's tallest mountains to scenes woven into its popular online map service.

Armchair explorers were invited to take virtual adventures with members of Google's Street View team to Aconcagua in South America, Kilimanjaro in Africa, Mount Elbrus in Europe and Mount Everest base camp in Nepal.

Read more: <http://www.theage.com.au/digital-life/digital-life-news/google-maps-goes-to-the-top-of-the-world-20130319-2gbsl.html#ixzz2NwVofHB2>

Coca-Cola faces Chinese govt probe for mapping sensitive areas

Press Trust Of India | Beijing March 15, 2013

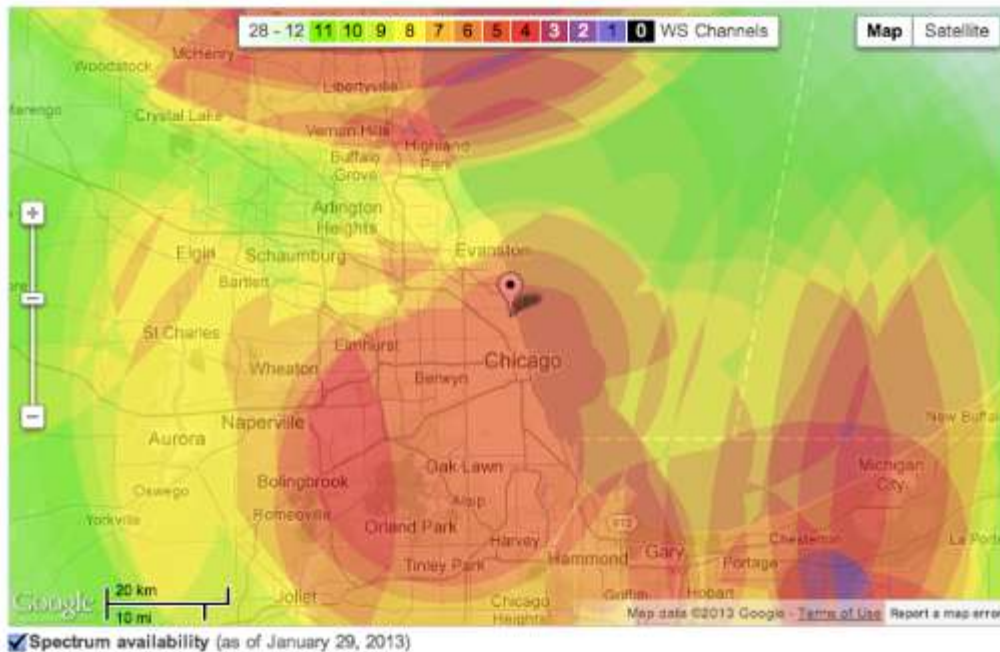
China has launched an anti-espionage investigation against US-based Coca-Cola for allegedly conducting illegal mapping in many sensitive areas of the mainland, a move that may escalate a spying row between Beijing and Washington. The case is being handled jointly by China's National Administration of Surveying, Mapping and Geo-information and the Ministry of State Security.

Read more: http://www.business-standard.com/article/international/coca-cola-faces-chinese-govt-probe-for-mapping-sensitive-areas-11303150021_1.html

Google puts its data-crunching powers to use mapping white spaces spectrum

By [Kevin Fitchard](#)

Google will map street grids, satellite views and even traffic conditions. Now it's mapping the availability of white spaces, the unused portion of the TV broadcast airwaves that one day could be used for broadband services.



The different colors represent the concentration of broadcasters in different airwaves.

Read more: <http://gigaom.com/2013/03/04/google-puts-its-data-crunching-powers-to-use-mapping-white-spaces-spectrum/>

City at your fingertips, with a couple of hitches

March 14, 2013 - 4:00PM
Ben Grubb
Deputy technology editor

Following the launch of Google's indoor maps this week at 200+ locations around Australia, Ben Grubb took it for a test drive to see if it was any good. Here are his findings.

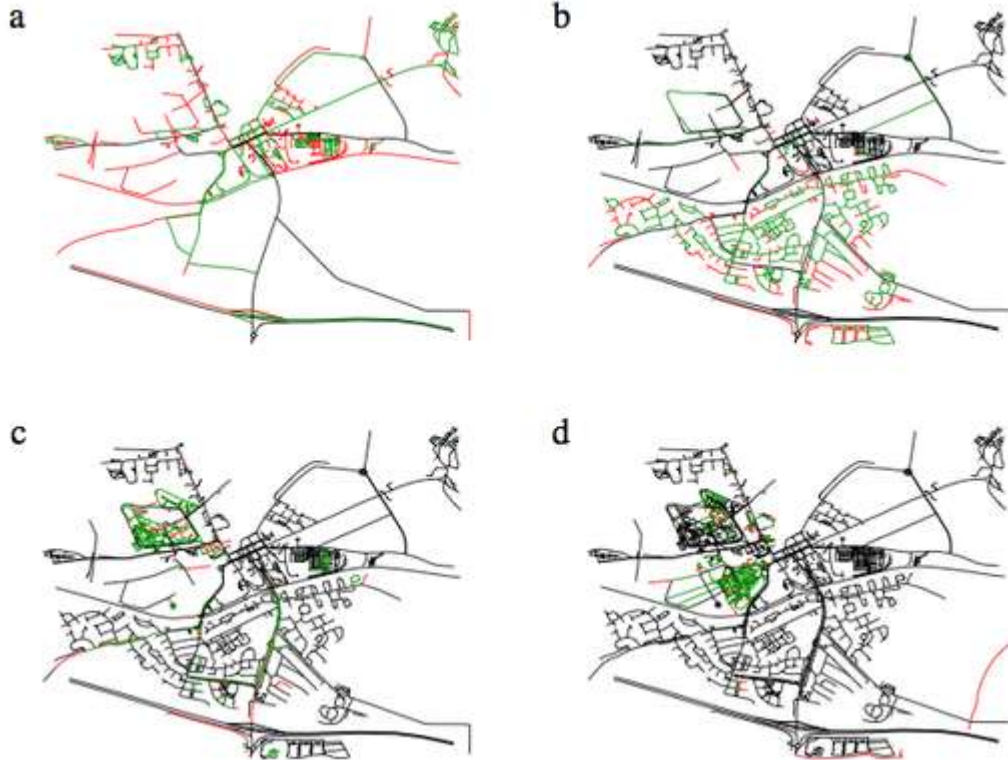


Overall, it's a little gimmicky, but still a cool feature to have built into Google Maps. If you're a business you can help by uploading your indoor floor plans to maps.google.com/floorplans.

Read more: <http://www.theage.com.au/digital-life/digital-life-news/city-at-your-fingertips-with-a-couple-of-hitches-20130314-2g2pt.html#ixzz2NVRy0tt3>

Mapping the Growth of OpenStreetMap

Emily Badger
Mar 14, 2013



[OpenStreetMap](#) is a marvel of modern crowdsourcing. Since its creation in 2004, DIY cartographers – typically armed with GPS devices or satellite photography – have been slowly mapping the world's road networks and landmarks to create a free alternative to proprietary geographic data that can then support tools [like trip planners](#). The process, which [began in the U.K.](#), is painstaking and piecemeal, and nearly a decade into it, more than [a million people](#) have contributed a sliver of road here or a surveyed cul-de-sac there.

Academics refer to this kind of collaborative mapmaking as "volunteered geographic information," and OpenStreetMap is one of the most successful examples of it out there.

Read more: <http://www.theatlanticcities.com/commute/2013/03/mapping-growth-openstreetmap/4982/>

New Mapping Techniques Will Help Us Find The Next Earth

Jennifer Welsh | Mar. 15, 2013,

Astronomers could one day create rough maps of the continents and oceans on far-away planets, determining the balance of oceans, lands, and overhanging clouds. The technique uses reflected starlight off the surface of an exoplanet.



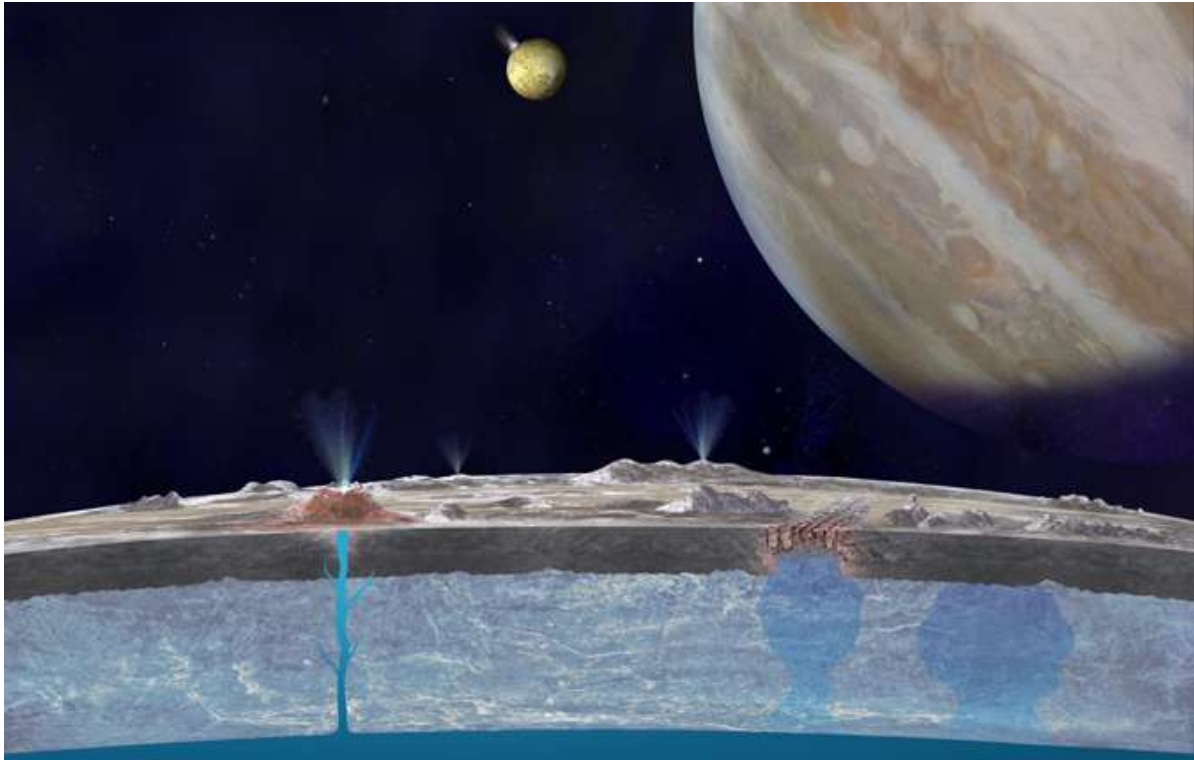
Dunlap Institute for Astronomy & Astrophysics; Mediafarm

Artist's rendering of the planetary system of HR 8799 at an early stage in its evolution, showing the planet HR 8799c, as well as a disk of gas and dust, and interior planets.

Read more: <http://www.businessinsider.com/one-day-we-will-be-able-to-map-far-away-planets-2013-3#ixzz2Nn90Hda2>

A Window into Europa's Ocean Right at the Surface

If you could lick the surface of Jupiter's icy moon Europa, you would actually be sampling a bit of the ocean beneath. A new paper by Mike Brown, an astronomer at the California Institute of Technology in Pasadena, Calif., and Kevin Hand from NASA's Jet Propulsion Laboratory, also in Pasadena, details the strongest evidence yet that salty water from the vast liquid ocean beneath Europa's frozen exterior actually makes its way to the surface.



This illustration of Europa (foreground), Jupiter (right) and Io (middle) is an artist's concept. Image credit: NASA/JPL-Caltech

Read more: <http://www.nasa.gov/topics/solarsystem/features/europa20130305.html>

Orienteering: Finding and mapping your course

By John Tucker

Posted: Sunday, March 10, 2013 1:01 a.m.

SALISBURY

A new craze has taken hold in Charlotte and throughout the South — orienteering. It is the skill of charting and finding your way by use of a compass and map. This outdoor activity began in 1919 by a Swiss Scout leader who believed that the activity was not simply a survival skill, but a fun event for scouts and families.

Read more: <http://www.salisburypost.com/article/20130310/SP04/130319953/1011>

Iran completes first phase of mapping of archaeological sites

TEHRAN -- The first phase of the project to map all of Iran's archaeological sites has been completed by a team of experts.

The map was unveiled during a ceremony at the Cultural Heritage, Tourism and Handicrafts Organization (CHTHO) in Tehran on Monday.

A total of 45,000 archaeological sites appear on the map, team director Abbas Moqaddam said at the ceremony.



Read more: <http://tehrantimes.com/arts-and-culture/106182-iran-completes-first-phase-of-mapping-of-archaeological-sites>

New mapping database to be set up

The Nation March 12, 2013 1:00 am

A mapping database using a 1:4,000 scale will be made available in the next five years in a move to standardise usage as well as help prepare for long-term planning and development in the country, Deputy Premier Plodprasop Suraswadi said yesterday.

The GPS system would be useful when implementing some projects under the Bt350-billion water-management scheme and the Bt2.2 trillion strategy for large-scale infrastructure, he said, in addition to other projects such as setting out farming zones or forest and land management.

Read more: <http://www.nationmultimedia.com/national/New-mapping-database-to-be-set-up-30201752.html>

3D Cartography

3D Mapping & 3D Modeling Market worth \$7.7 Billion by 2018

DALLAS, March 13, 2013 /PRNewswire/ --

According to a new market research report "**3D Mapping Market: Global Advancements, Business Models, Technology Roadmap, Forecasts and Analysis (2013 - 2018)**", the 3D mapping and 3D modeling market is expected to reach \$7.7 billion by 2018 at a CAGR of 47.9% from 2013 to 2018.

3D mapping technology is one of the fastest and most complete ways to build 3D-environments in the market today. 3D mapping solutions enabled the user to swiftly build three-dimensional maps of the surroundings with supreme accuracy and clarity, ready to plug into professional visualization systems. With investments towering up for 3D maps applications to be introduced to smartphones, market players such as Nokia, Samsung and other smartphone companies have indicated string interest in this market. The 3D-enabling devices like sensors, cameras, scanners, GPS components, and other acquisition devices create huge potential in this market. The improvised 3D experience on smartphones, tablets, notebooks, PCs, cars, etc. is set to revolutionize the mobile device market and other GPS-enabled device market by broadening the horizons for the users to locate things easily using any device.

Read more: <http://www.prnewswire.com/news-releases/3d-mapping--3d-modeling-market-worth-77-billion-by-2018-197773091.html>

Apple Maps App Sees Greatly Improved Flyover, 3-D Buildings, Still Incorrect Mapping in Many Locations

By [Lory](#) | March 13, 2013



When Apple's Maps app first launched with iOS 6, it made headlines. Not for its innovative flyover feature, or for its amazing 3-D graphics, but for its lack of

accuracy. The developers at Apple spent so much time making sure that the mapping service looked awesome that they forgot to make sure it actually worked. Yesterday, [The Loop reported](#) that Apple Maps is being updated “often and significantly,” and included a list of cities that now have flyover support and 3-D building views. Unfortunately, Apple still doesn’t seem to be working on accuracy.

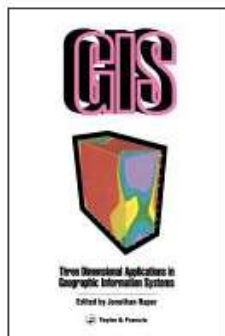
Read more: <http://www.padgadget.com/2013/03/13/apple-maps-app-sees-greatly-improved-flyover-3-d-buildings-still-incorrect-mapping-in-many-locations/>



Read more:

http://www.youtube.com/watch?v=KJ6v37GypoE&list=UU5b2z4_RopkLtpX0E_Cl74g&index=2

Three Dimensional Applications in Geographical Information Systems



+1 0

Jonathan Raper

★★★★★

0 Reviews

Taylor & Francis Group, 1989 - Technology & Engineering - 189 pages

Provides a survey of the approaches used and the problems encountered in the model of real geophysical data.

Read more:

http://books.google.com.au/books?hl=en&lr=&id=Gcl2uxGCCOsC&oi=fnd&pg=PA11&dq=3d+mapping+and+modelling&ots=bTsAwtG1C8&sig=hgE8W_vhmeeE6CFr62Myntq10Nw

Research and Markets: 3D Mapping & 3D Modeling: Global Advancements, Worldwide Market Size and Forecasts (2013 - 2018)

Press Release: Research and Markets – Thu, Mar 21, 2013

DUBLIN--(BUSINESS WIRE)--

Research and Markets

(http://www.researchandmarkets.com/research/Indplc/3d_mapping_and_3d) has announced the addition of the "[3D Mapping & 3D Modeling: Global Advancements, Worldwide Market Size and Forecasts \(2013 - 2018\)](#)" report to their offering.

The past decade witnessed a giant leap in various industries, with 3D technology being implemented in various electronic devices and other objects. The need for 3D mapping arose after an attempt to make 2D maps more advanced and look more real. This was done by introducing sensors, cameras, scanners, GPS components, and other acquisition devices to capture the real time 3D images which are created into models incorporated into maps. This type of technology is often used in modern computer programs to provide a lifelike view of a place or thing on a map.

Read more: <http://finance.yahoo.com/news/research-markets-3d-mapping-3d-192400566.html>

Architects print out your new house on a 3D printer and robots build it.

What are they? Houses designed with algorithms, printed out in carbon-fibre form from a three-dimensional printer and built by robots. Advances in computer programming, 3D printing and robotics have opened the door to exciting new architectural forms made from lightweight composite materials such as carbon fibre, fibreglass and Kevlar. The spin-offs include less waste (there are few, if any, off-cuts from a 3D printer), improved energy savings and efficient lightweight structures (using algorithms from natural systems) that can be built where it wasn't previously feasible (sheer cliffs, floating structures on the ocean).

Read more: <http://www.theage.com.au/digital-life/digital-life-news/ideas-that-could-change-your-life-20130312-2fxo6.html#ixzz2OiYv8peV>

U. researchers explore 3D mapping in mouse's brain

By [Greta Shum](#)

Published: Monday, March 25th, 2013

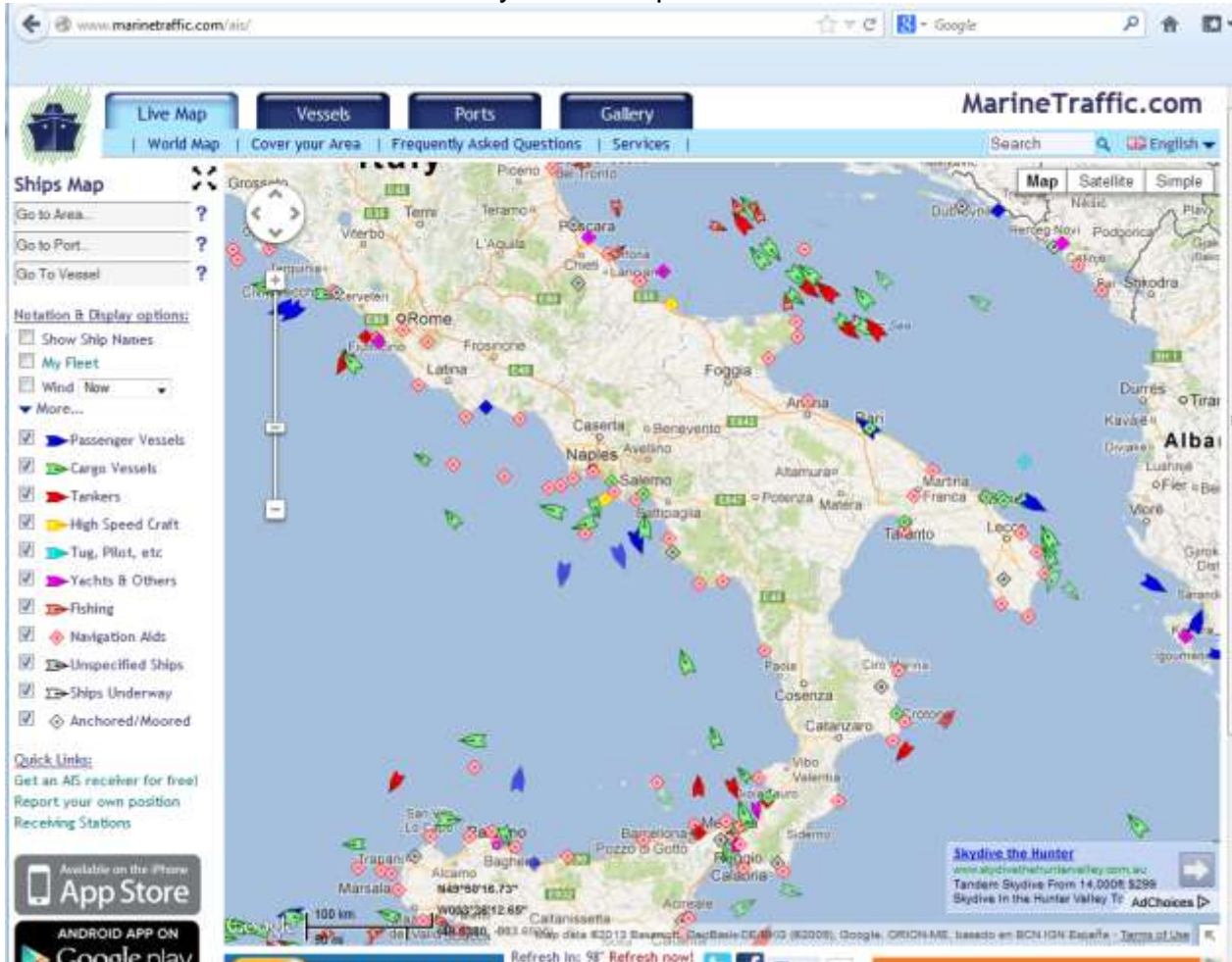
In a [recent study published in Nature](#), University researchers have discovered the mechanism inside a mouse's brain that allows it to map its location in three-dimensional space. By examining how mice responded to spatial signals, scientists were able to observe how the mouse brain tracks its exact location.

Read more: <http://www.dailyprincetonian.com/2013/03/25/33115/>

Maritime Cartography

Marine Traffic

Check the real-time location of every cruise ship and tanker around the world.



Read more: <http://www.marinetraffic.com/ais/>

Shipping study: September North Pole crossings possible by 2050

[Laurel Andrews](#)

March 5, 2013

Imagine a world where ships are able to cross the infamously treacherous Northwest Passage without needing any ice-breaking capabilities, and where some ships can cross directly over the North Pole. It may be right around the corner. A [study published Monday](#) has found that Arctic sea ice will have dissipated so much by mid-century that both scenarios will be possible during the month of September, opening maritime routes as early as 2040 that could alter the nature of global logistics. So what does this mean for Alaska?

Satellite mapping has indicated an overall trend of decreasing sea-ice since 1979, study authors Dr. Laurence C. Smith and Scott R. Stephenson of the University of

California write in the [journal PNAS](#), and reports of Arctic sea ice hitting its [lowest-ever recorded levels](#) in 2012 has fueled discussions on the opening up of Arctic waters to increased traffic.

Read more: <http://www.alaskadispatch.com/article/20130305/shipping-study-september-north-pole-crossings-possible-2050>

Backpack Mapping System Captures Intelligence in Tough-To-Get-To Places

Mar. 26, 2013 — Engineers at APL have developed a portable mapping system -- carried in a backpack -- that can be used to automatically create annotated physical maps of locations where GPS is not available, such as in underground areas and on ships.



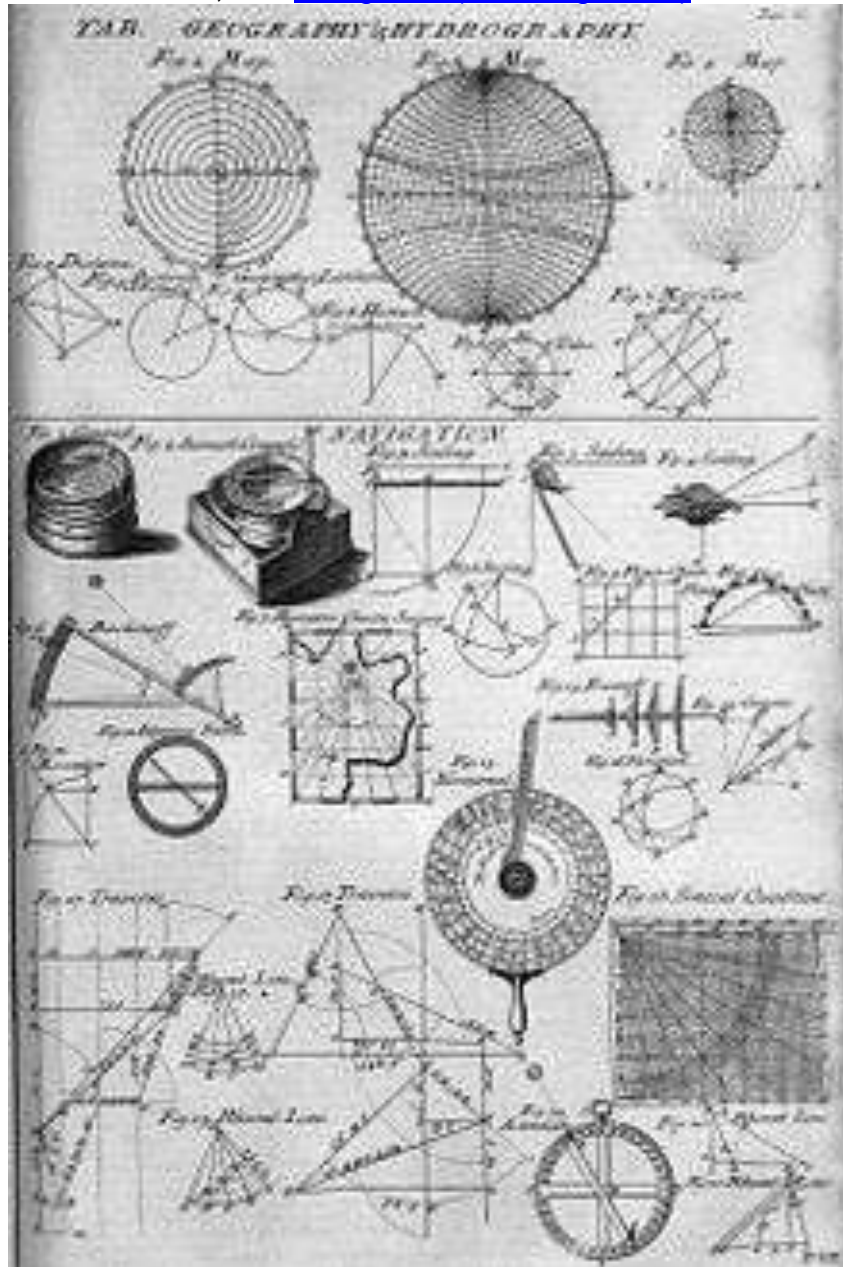
(Credit: Image courtesy of Johns Hopkins University Applied Physics Laboratory)


Read more: <http://www.sciencedaily.com/releases/2013/03/130326162155.htm>

Navigation

From Wikipedia, the free encyclopedia

This article is about determination of position and direction on or above the surface of the earth. For other uses, see [Navigation \(disambiguation\)](#).



 Table of geography, hydrography, and navigation, from the 1728 [Cyclopaedia](#).

Navigation is a field of study that focuses on the process of monitoring and controlling the movement of a craft or vehicle from one place to another.^[1] The field of navigation includes four general categories: land navigation, marine navigation, aeronautic navigation, and space navigation.^[2]

Read more: <http://en.wikipedia.org/wiki/Navigation>

Disaster Mapping

Report: The role of communication in the Japan Earthquake



Crisis Mapping in Japan

After the Great Earthquake hit Japan exactly two years ago, the importance of crowdsourced crisis mapping in any kind of disaster became evident once again. The recently released study "Connecting the Last Mile: Internews Europe Report on the Role of Communications in the Great East Japan Earthquake" elaborated by the UK NGO Internews Europe highlights how communication saved lives after the Japan earthquake and tsunami and how it was essential in helping survivors in the days, weeks and months to recover from the triple earthquake, tsunami and nuclear power crisis.

In the chapter "Technology volunteers: Crisis Mapping the Disaster", the report sheds light on Japan's version of the Ushahidi crisis map, sinsai.info, meaning "disaster info", that had been created only hours after the earthquake. It also showcases how Open Street Map (OSM) created a map with 500,000 roads that was shared on the National Research Institute for Earth Science and Disaster Prevention's website.

The report shows once again how social media in crisis mapping has revolutionized the role of those affected in disasters. For example, Twitter and Facebook play an important role because they provided a platform for individuals to locate and inform their families or friends.

Read more: <http://www.un-spider.org/about-us/news/en/6543/2013-03-12t122800/report-role-communication-japan-earthquake>

Google Begins Mapping Japan's Nuclear Exclusion Zone



By [AKIKO FUJITA \(@akikofujita\)](#)
NAMIE, Japan March 4, 2013

Two years after [Japan's worst nuclear disaster](#) displaced 21,000 residents of Namie, much of the town remains the same.

.....

The tech giant began today the process of digitally mapping neighborhoods closest to the nuclear plant, dispatching its street view car to Namie for the first time. With a specialized camera mounted atop its vehicle, Google drove through the empty town, steering around collapsed homes and cracked roads to capture a 360 view of the damage.

Read more: <http://abcnews.go.com/Technology/google-begins-mapping-japans-nuclear-exclusion-zone/story?id=18647977>

Australian insurers must adopt cutting-edge mapping technology to better respond to natural disaster

Written by Esri Australia
05 March 2013

Australian insurers must adopt cutting-edge mapping technology to better respond to natural disasters and address rising customer ambivalence towards their brands, according to a leading geo-insurance specialist.

Read more: <http://www.gisuser.com/content/view/29251/2/>

Ice crevasse-mapping robot goes where others fear to tread

A century after Western explorers first crossed the dangerous landscapes of the Arctic and Antarctic, researchers funded by the National Science Foundation (NSF) have successfully deployed a self-guided robot that uses ground-penetrating radar to map deadly crevasses hidden in ice-covered terrains.



Read more: <http://scienceblog.com/60800/ice-crevasse-mapping-robot-goes-where-others-fear-to-tread/>

When LIDAR came down to Earth, mapping projects took off

Mar 13, 2013
Second of four parts

Sometimes it takes a crisis to spur innovation.

Such was the case with creation of the Red River Basin Decision Information Network (RRBDIN), and its LIDAR mapping of large swaths of North Dakota, Minnesota and central Canada, said Charles Fritz, director of the International Water Institute.

"In the Red River basin we had a major flood back in 1997. That's when Grand Forks went under," Fritz said. "My organization actually was one of the outcomes from that flood." In the wake of the flood, the Federal Emergency Management Agency took action that resulted in the creation of the RRBDIN, which is managed by the International Water Institute with support from the U.S. Army Corps of Engineers, North Dakota State University Extension and other partners.

"When the 1997 flood hit, we had a huge problem because the only things we had to work with were old [U.S. Geological Survey] maps," Fritz said.



Read more: <http://gcn.com/articles/2013/03/13/when-lidar-costs-decreased-mapping-projects-took-off.aspx>

How The Huffington Post is mapping news reports of gun-related deaths

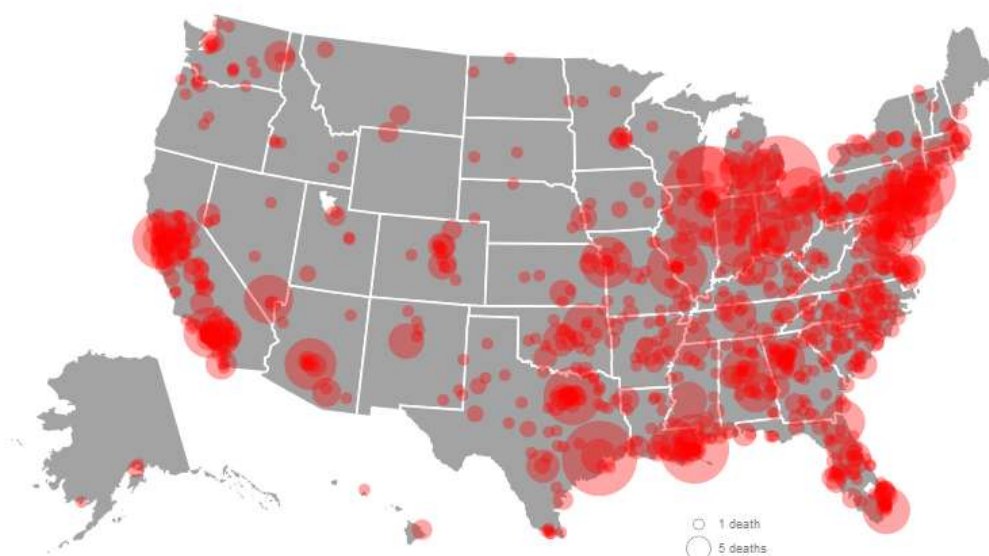
by [Al Tompkins](#) Published Mar. 26, 2013 9:02 am

Mapping the Dead: Gun Deaths Since Sandy Hook

Posted: 03/22/2013 6:07 pm EST | Updated: 03/24/2013 8:03 pm EST

In the **98** days since, guns have killed at least **2,244** more people.

Next →



Read more: <http://data.huffingtonpost.com/2013/03/gun-deaths>

Resources

Learn World Geography With *TouchWorld*

By [Jenny Williams](#)

02.26.13



I still think we need more education in geography in this country. So many people can't identify obscure, and sometimes not obscure, countries, let alone show you where they are located on a globe. So I am all for it when I hear of a new geography app, especially one that isn't purely packaged for children.



Image: Appyness

[TouchWorld](#) is a teaching and quiz app that allows you to both explore the world, learning about individual countries and capitals, and test your knowledge about their

locations. When you first start the app, it quizzes you on the location of the continents. It shows you a map of the world and asks you to find Australia. It then continues through the other continents, and then moves on, testing you on the countries in each continent. Once you locate the specified country, the app gives you almanac information on it. If you tap the wrong country, the app tells you what country you chose, and shows the info about it, helping you learn. You can also pick and choose what parts of the world you want to study, exploring by browsing on a map or picking them from an alphabetic country list. The app gives you certificates when you finish each quiz, and the difficulty can be set to easy or hard.

Read more: <http://www.wired.com/geekdad/2013/02/touchworld/>

Here.com

HERE is the new name for Nokia Maps.

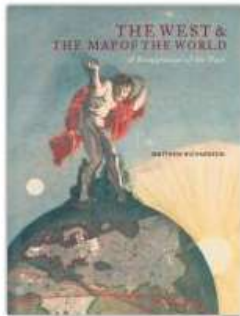
With HERE, you can browse and explore places all over the world and:

- Collect places and routes.
- Search for addresses and places of interest, such as restaurants, hospitals and airports.
- Share the places you find with your friends, or post them on your favorite social networking sites.
- Get driving, walking and public transportation directions.
- Explore cities and countries around the world with rich satellite imagery.
- Add your own ratings, reviews and photos of places you've been.
- See public transportation lines in hundreds of cities.
- Sync your favorite places on here.com with your phone.

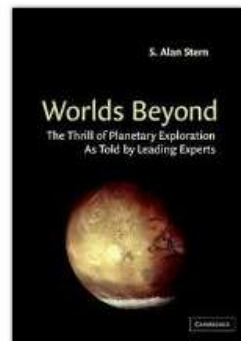


www.hear.com

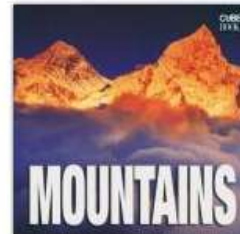
Books on Cartography and Related Topics



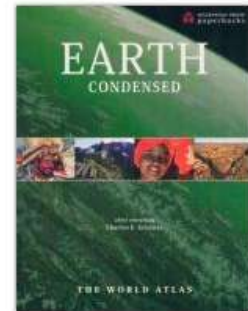
The West and The Map of The World
A Reappraisal of The Past
 Hardcover
[Matthew Richardson](#)



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



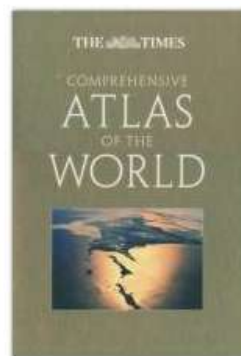
Mountains
 Hardcover



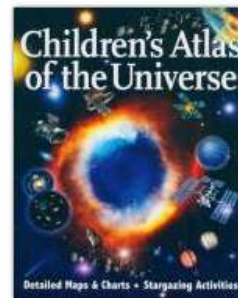
Earth Condensed
The World Atlas
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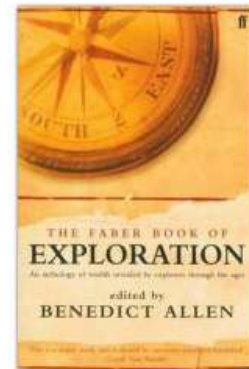
The New Guinea Diaries 1871-1883
 Paperback
[N. N. Miklouho-Maclay](#)
[B. Wongar](#)



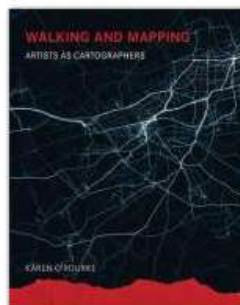
The Times Comprehensive Atlas of the World
 Hardcover
[The Times](#)



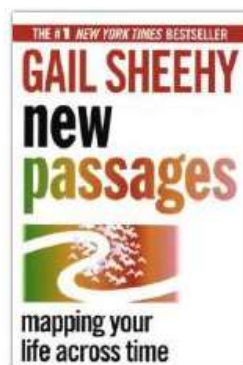
Children's Atlas of the Universe
Detailed Maps & Charts. Stargazing Activities
 Hardcover
[Robert Burnham](#)



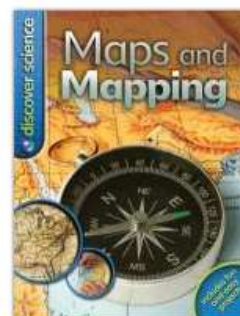
The Faber Book of Exploration
An Anthology of Worlds
 Paperback



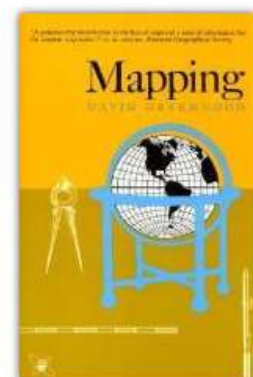
Walking and Mapping Artists as Cartographers
 Hardcover
[Karen O'Rourke](#)



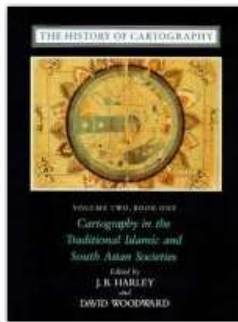
New Passages Mapping Your Life Across Time
 Paperback
[Gail Sheehy](#)



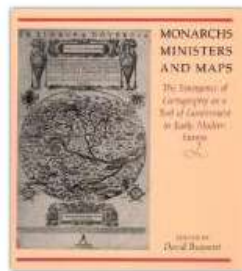
Discover Science Maps and Mapping
 Paperback
[Deborah Chancellor](#)



Mapping
 Paperback



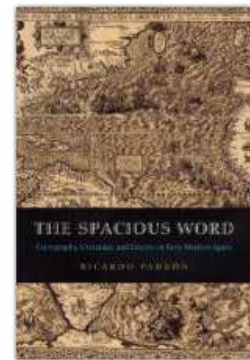
The History of Cartography
v.2
Hardcover



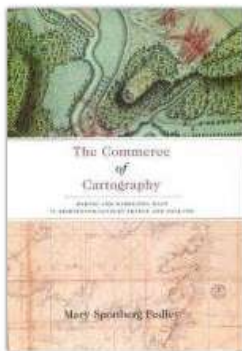
Monarchs, Ministers and Maps
Emergence of Cartography
Hardcover



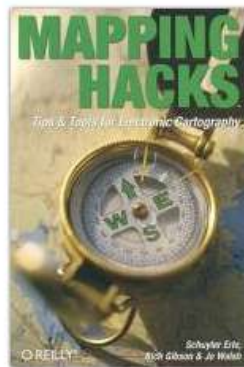
Web Cartography
Developments and Prospects
Paperback
[Menno-Jan Kraak](#)



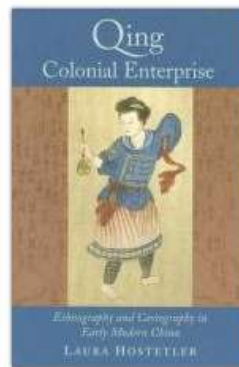
The Spacious Word
Cartography, Literature, and Empire in Early Moder...
Hardcover
[Ricardo Padrón](#)



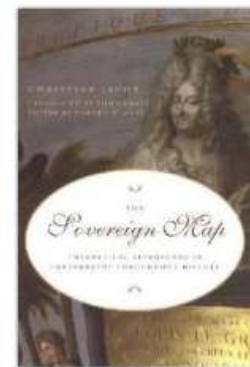
The Commerce of Cartography
Making and Marketing Maps
Hardcover
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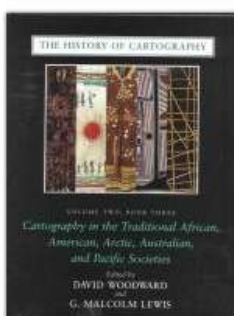
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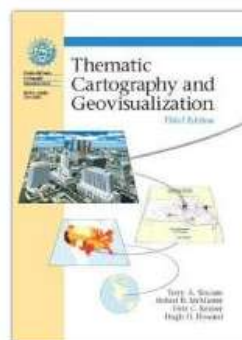
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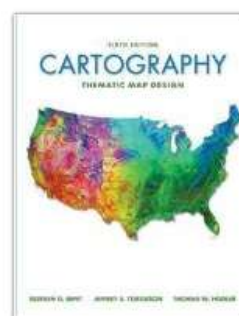
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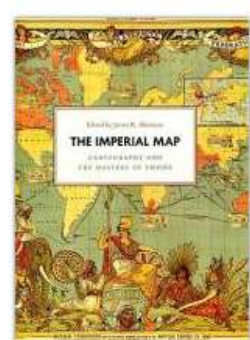
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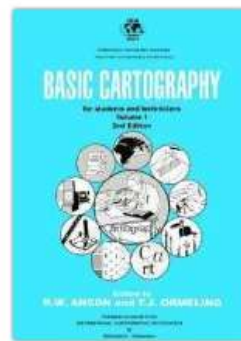
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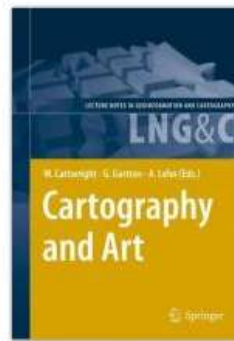
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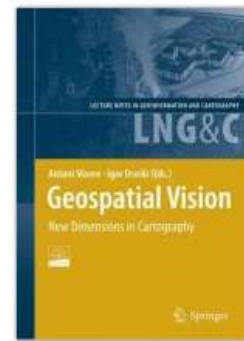
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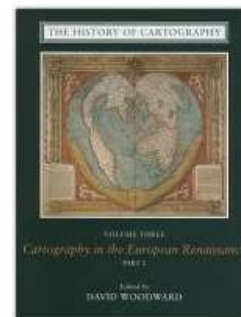
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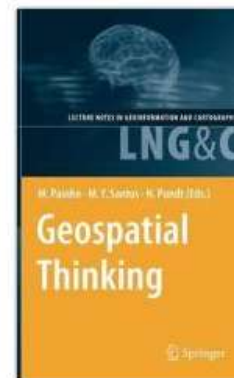
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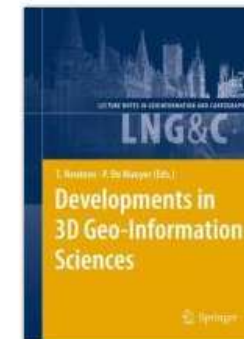
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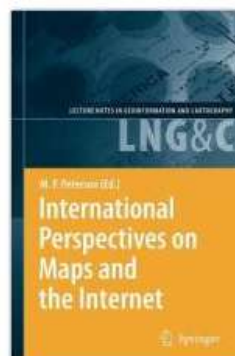
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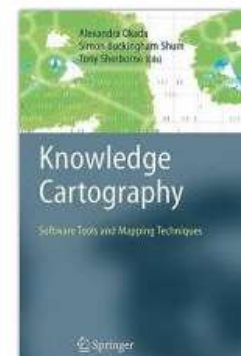
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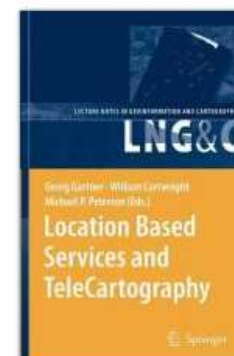
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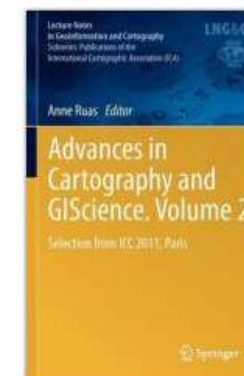
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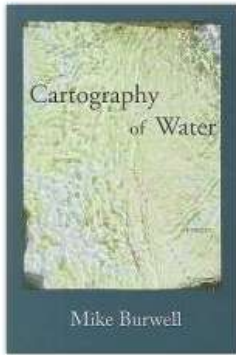
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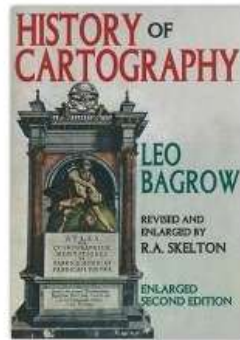


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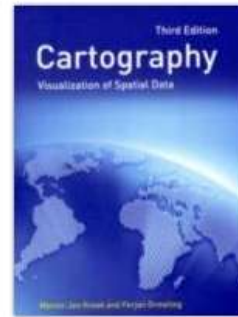
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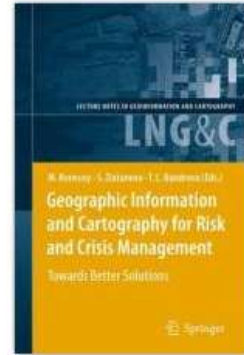
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Plotter Takes Top Prize at SXSW Accelerator Interactive

BY: [anniezaleski](#) | March 27, 2013



Imagine you're visiting an unfamiliar city. Your first order of business is to seek out delicious places to eat and drink, as well as unique sightseeing attractions. To find these local gems, you might check Foursquare and Yelp for tips, browse TripAdvisor or ask friends for suggestions. But how do you organize these recommendations—and find out where they are—especially when you're not acquainted with the terrain?

Enter [Plotter](#), a Cleveland-based startup that was recently named a [SXSW Accelerator Interactive grand prize winner](#) in the Social Technologies category. 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/>

Applications

Apple acquires indoor mapping company

By [Hannah Bouckley](#) on Tuesday, 26th March 2013

In a bid to boost its maps offering and compete with Google Maps, Apple has acquired indoor mapping company Wifislam.

According to the [Wall Street Journal](#) Apple paid around \$20 million for the company, which is based in Palo Alto and specialising in indoor mapping.

According to its website (which doesn't work any more) the technology will: “Allow your smartphone to pinpoint its location (and the location of your friends) in real-time to 2.5m accuracy using only ambient WiFi signals that are already present in buildings.”



Read more: http://recombu.com/mobile/news/apple-acquires-wifislam-indoor-mapping-company_M18948.html

* Farmers can tell exactly what species live on their land by using "sound maps".

What is it? The solar-powered Automated Biophony Sensor System is, essentially, a high-fidelity listening device. Wireless sensors mounted on trees or poles in, say, an orchard or a grass paddock record animal noises. Encased in an army-green plastic box about half the size of a textbook (it's waterproof and UV-resistant) the device can collect up to a terabyte of data in a month - that's thousands of hours of audio. The object of the exercise is to inform farmers about how many different types of animals live on their patch of land. "It's all about biodiversity and ensuring that whatever you are doing to the land isn't having a major impact on it," says Aaron Maher, managing director of Procept. The sensors pick up all environmental noises: both man-made and natural. Certain sounds can be highlighted. "You can delve down further and do species identification with other algorithms as well," says Maher. The soundscape of pristine forest can be recorded as a baseline for later comparative study. Transmitted wirelessly via the 3G network or by the satellite network, the data is sent to a central server up to a kilometre away.

Who's doing it? Product development company Procept with the Department of Primary Industries.

Will it work? It already is. A six-month trial in an orchard in Tatura in the Goulburn Valley last June showed that the device was sensitive enough to pick up the sounds of raindrops or a car in the distance. "It's quite a complex device with a number of technical challenges, not least the Australian environment," Maher says. "An orchard is nearly the worst-case scenario. It's got big, thick-foliage trees that are very dense and can get very wet with rain, so that was good to test to make sure that we could still get the wireless data through the network." The device is yet to provide a full soundscape of a farm with details of the frogs, bats, birds or other creatures that might be living there.

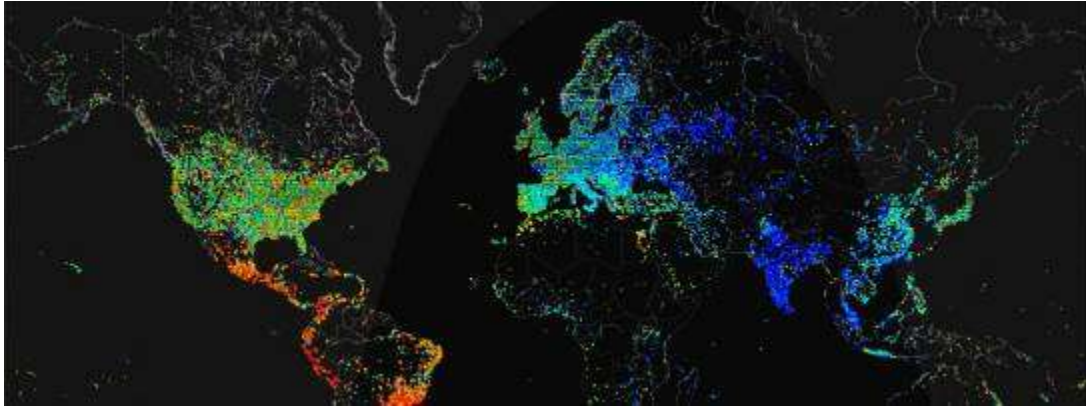
See dpi.vic.gov.au

Read more: <http://www.theage.com.au/digital-life/digital-life-news/ideas-that-could-change-your-life-20130312-2fxo6.html#ixzz2OiYH9jru>

Mapping the Internet: A Hacker's Secret Internet Census

By [Christian Stöcker](#) and [Judith Horchert](#)

Just how big is the Internet? An anonymous hacker claims to have answered the question via effective but illegal means. The result is a fascinating reflection of online usage around the world.



Somewhere on this planet there is a hacker whose emotions are likely shifting between pride and fear. Pride, because he managed to do what no one else has managed. And fear, because it was illegal in almost every country in the world.

Read more: <http://www.spiegel.de/international/world/hacker-measures-the-internet-illegally-with-carna-botnet-a-890413.html>

Apps: The New Corporate Cost-Cutting Tool

March 5, 2013, 7:44 p.m. ET

By [ANTON TROIANOVSKI](#)

TRUMBULL, Conn.—The biggest mall in town stopped staffing its customer-service desk in January. But perched on that same desk recently was a plastic cutout of a hand holding a smartphone. "Download the free app," it said.

.....

Australia's Westfield, one of the world's biggest mall owners, has been closing the customer-service desks at some of its 47 U.S. malls in recent years, including, recently, the one in Trumbull.

The company has been encouraging customers to download an app that provides mall maps, turn-by-turn directions and even a "concierge" feature that encourages users to ask things like, "Where is the bathroom?"

Read more:

http://online.wsj.com/article/SB10001424127887324678604578342690461080894.html?mod=googlenews_wsj

Kenya elections: Maps and graphics

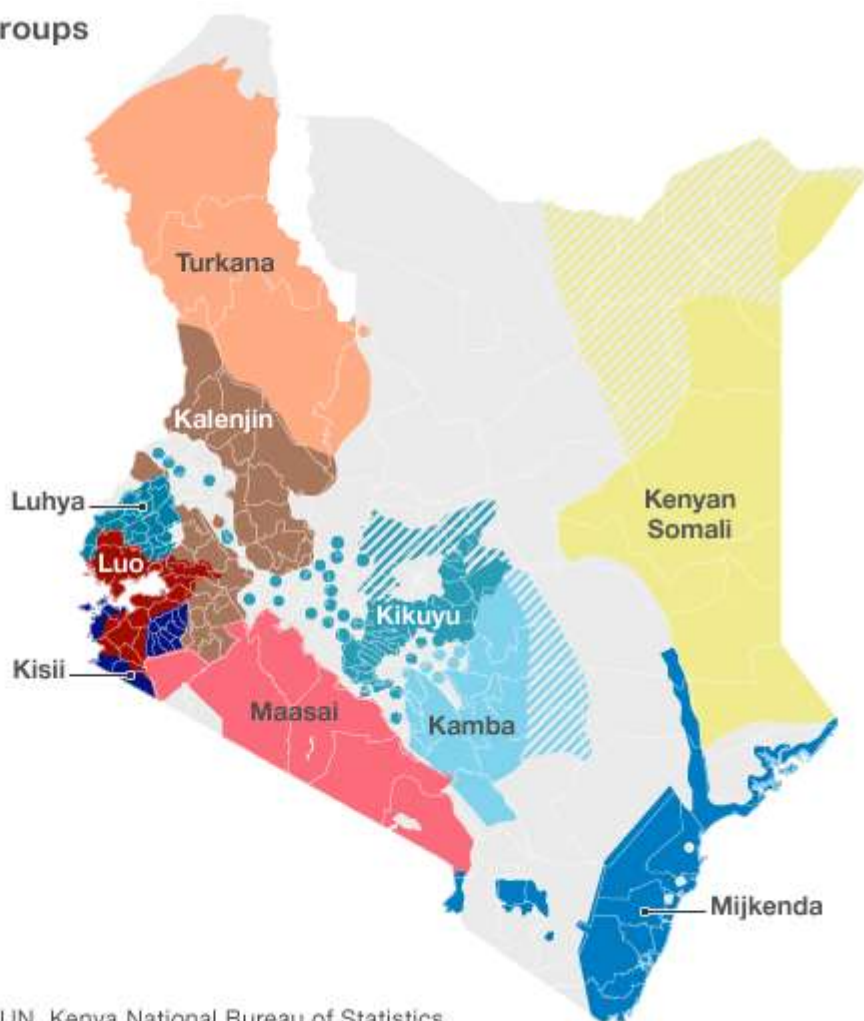
4 March 2013 Last updated at 16:40 GMT

Kenyans have been voting in the country's general election, following a campaign that has been overshadowed by memories of the violence which unexpectedly erupted after the disputed contest of December 2007. President Mwai Kibaki is not seeking re-election - his partner in the current coalition, Prime Minister Raila Odinga, is a front-runner in the presidential race.

Distribution of ethnic groups

Ethnic groups

- Kikuyu/Meru 22%
- Luhya 14%
- Kalenjin 13%
- Luo 11%
- Kamba 10%
- Kenyan Somali 6%
- Kisii 6%
- Mijkenda 5%
- Turkana 3%
- Maasai 2%
- Others 6%



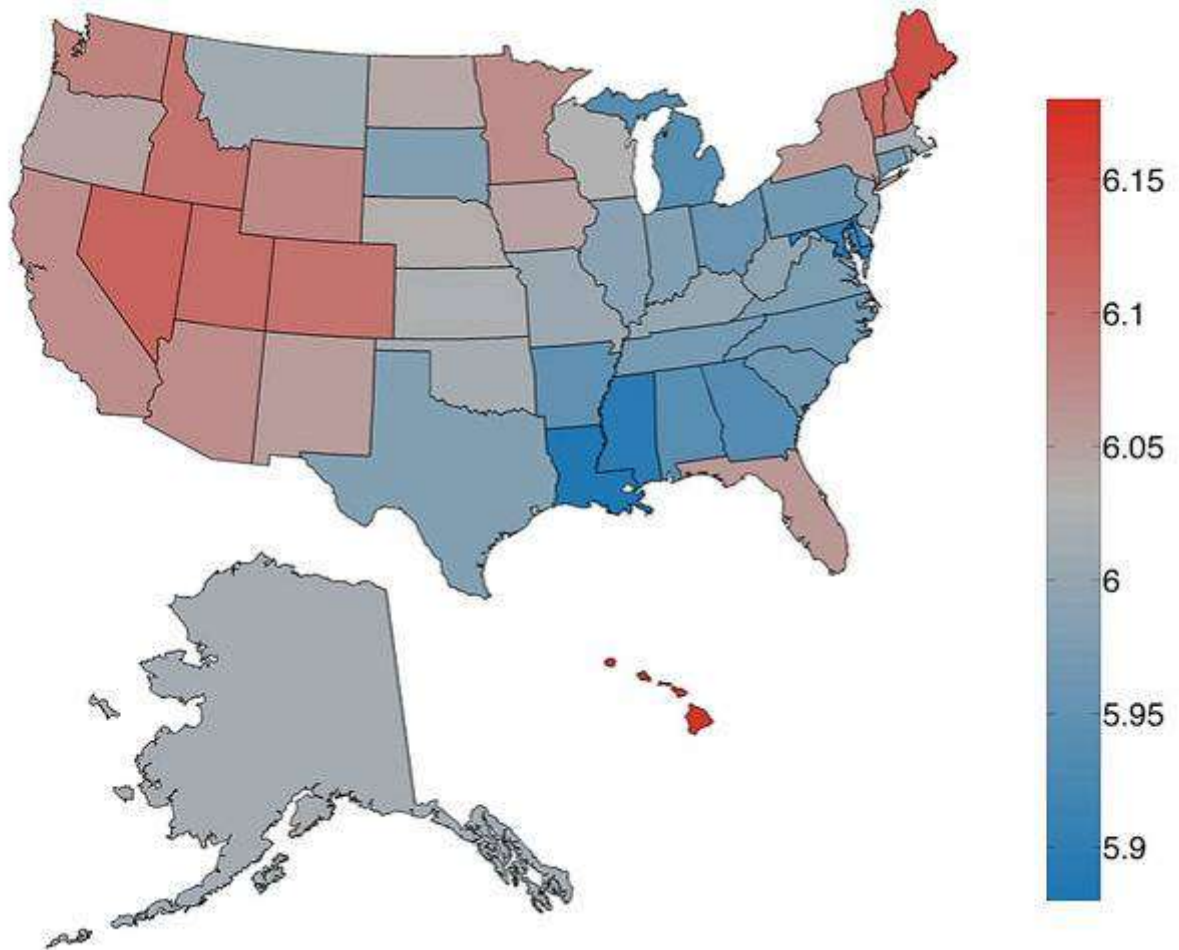
Source: Kenyan embassy to the UN, Kenya National Bureau of Statistics

Read more: <http://www.bbc.co.uk/news/uk-21592589>

Mapping Happiness In American Cities, Using Twitter

Infographic of the Day

Using Amazon's Mechanical Turk and about a zillion tweets, these maps correlate happiness and location.



Based on millions of words culled from Twitter, this map quantifies happiness by state.

Read more: <http://www.fastcodesign.com/1671961/mapping-happiness-in-american-cities-using-twitter>

Putting Local Climate Know-How on the Map

Tuesday, March 5, 2013 - 17:22 Inter Press Service

KINGSTOWN, St. Vincent, Mar 05 (IPS) - A new weapon in the arsenal against climate change is tapping local knowledge to bridge the policy gap and let communities make their own informed decisions about how to manage livelihoods, natural resources, culture and heritage.

.....

Enter P3DM - participatory three-dimensional modelling, which merges conventional spatial information systems with local people's own "mental maps" to produce scale relief models that can be used jointly with Global Positioning Systems (GPS) and Geographic Information Systems (GIS).

Participatory 3D models are manufactured at the village level using paper and layered cardboard. Based on their personal knowledge of the area, informants depict land use and cover and other features on the model by the use of pencils, pushpins (points), yarns (lines) and/or paint (polygons). Once the model is completed, a scaled grid is applied to transpose spatial and georeferenced data into GIS.

Read more: http://www.iede.co.uk/news/2013_1181/putting-local-climate-know-how-map

Bad laws would hurt good drones

By **Ryan Calo**, Special to CNN

March 6, 2013 -- Updated 0018 GMT (0818 HKT)



Todd Jacobs of NOAA uses a drone to survey seals and sea lions in California's Channel Islands National Marine Sanctuary

.....

What are drones but flying smartphones, one app away from indispensable? We could see drones accompanying early morning joggers, taking sport, wildlife, and other photography to a new level, or mapping out hard-to-reach geographic terrain. The possibilities, [as Vivek Wadhwa recently wrote](#), are endless.

.....

Read more: http://edition.cnn.com/2013/03/05/opinion/calco-drones/?hpt=hp_c1

Mapping The Wealth Of The World's Billionaires

3/09/2013 @ 8:32AM /15,189 views

BILLIONAIRES

The combined wealth of our **1,426** billionaires is

\$5,431,810,000,000



Read more: <http://www.forbes.com/sites/luisakroll/2013/03/09/mapping-the-wealth-of-the-worlds-billionaires/>

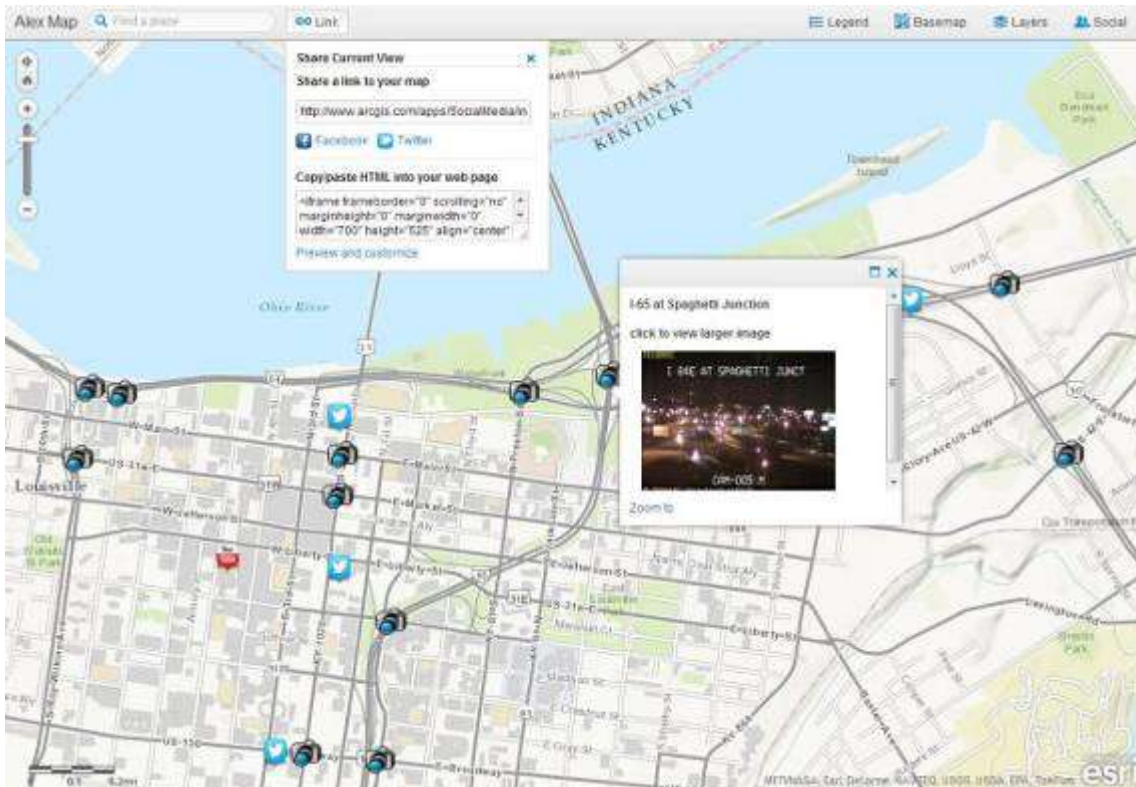
Esri Takes Its Deep Mapping Software Online To Help Developers Become More Like Geographers

[Alex Williams](#)

Sunday, March 17th, 2013

Beyond the edge of SXSW last week, the [Esri](#) team camped out in an old brick firehouse with the interior of an Italian palace. It felt like the home of an eccentric Texas aristocrat, alone in his mansion, dripping with rich fabrics, chandeliers and the odd sense of a New York loft. And it was just right — an old world yet modern setting

for a 44-year-old mapping company to host a new generation of developers who know little about cartography but a lot about data.



Read more: <http://techcrunch.com/2013/03/17/esri-takes-its-deep-mapping-software-online-to-help-developers-become-more-like-geographers/>

All the Cities Photographed From the International Space Station

[John Metcalfe](#)
Mar 19, 2013



[Chris Hadfield](#) is the 35th commander of the International Space Station, the first Canadian to walk in space and a relentless demon of photography.

Since boarding the spacecraft in December, he's fed his half-million Twitter followers a [steady diet of pupil-popping images](#) taken from out his window as he speeds along at 17,239 m.p.h., such as a monstrous cyclone [eating Madagascar](#), glacial runoff "[burping](#)" into the Atlantic and what he rightfully calls "one of the coolest space sights on Earth, the [Richat Structure of Mauritania](#)." Hadfield is so obsessed with documenting the planet that the only thing that makes him angry in space is having to go to bed: "My resolution has been to make the absolute most of it -- to spend as little time sleeping as I can," he recently [told reporters](#).

.....

And now, thanks to the work of a devotee in Canada, if the commander has snapped your hometown you can find the image on [an interactive map](#) bursting at the seams with visual gold.



Read more: <http://www.theatlanticcities.com/technology/2013/03/all-cities-photographed-international-space-station/5021/>

Our Acronyms – Don't You Just Love Them

AACCCM	Anglo-American Cataloguing Committee for Cartographic Materials
BASINS (USEPA)	Better Assessment Science Integrating Point and Nonpoint Systems
BRICMICS	British and Irish Committee for Map Information and Catalogue Systems
CCBCCM	Canadian Committee for the Bibliographic Control of Cartographic Materials
CICAEDAS	Committee Investigating Cartographic Entity, Definitions, and Standards
DAISIDS	Distributed Ad-hoc Intelligent Sensor-Intrusion Detection System
EMMMA	Environmental Mercury Mapping, Modeling and Analysis
FESWMS	Finite Element Surface Water Model System
GRASS	Geographic Resource Analysis Support System
HANDGPS	High Accuracy Nationwide Differential GPS
HISS	Heritage Information Statistical System
KWIC	Key Word in Context
KWOC	Key Word Out of Context
MPWUPH	Ministry of Public Works, Urban Planning and Housing
NERDD	Networked Electronic Report & Document Distribution
OO	Object-Orientation
Pan-STARRS	Panoramic Survey Telescope and Rapid Response System
ROMANSE	Road Management System for Europe
SADME	South Australian Dept. of Mines and Energy
SCOOP	Schedule Control of Orthophoto Products
SLAGMD	Special Libraries Assn. Geography & Map Div.
SMART	Spatial Mapping Academic Research Tools
TOPS	Terrestrial Observation and Prediction System

Read more: http://www.lib.berkeley.edu/EART/abbreviations_L-Z

Conferences

Go to the ICA website:

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



https://www.google.com.au/search?q=amazing&hl=en&client=firefox-a&hs=duC&rls=org.mozilla:en-GB:official&source=lnms&tbn=isch&sa=X&ei=SBk3UYKWGNComQWo9IDACA&ved=0CAcQ_AUoAQ&biw=1024&bih=649#mrgc=rJct1Oo3HKd20M%3A%3BQnAN1N6vC2ebbM%3Bhttp%253A%252F%252Fwww.anvari.org%252Fdb%252Fcols%252FAmazing_Moments%252FAmazing_Moment_1.jpg%3Bhttp%253A%252F%252Fwww.anvari.org%252Fcols%252FAmazing_Moments.html%3B647%3B382

Where was this image taken from and what is it?



<https://twitter.com/CommanderHadfield/status/291688497100767232/photo/1>