



Commission on Education and Training

<http://lazarus.elte.hu/cet/>

June 2012 Newsletter

An occasional electronic newsletter from the Commission.

If you have any brief items of interest then please email them to david.fraser@rmit.edu.au for eCET.

If you have more substantial articles please send them to Igor Drecki at i.drecki@auckland.ac.nz for the ICA newsletter.

Quote

"What about a world that seems to have leaped far out ahead of us, left us in the lurch and nosing around a new terra incognita where only a few minutes ago we saw only our front yards? Honestly, if cartographers suddenly went back to printing "Here There Be Dragons" at the edges of our world maps, would anybody kick up a fuss?" [Jon Santiago](#) 23 May 2012

"Per the general rule of international cartography, if bordering countries can't agree both names should be used concurrently."

<http://www.prweb.com/releases/2012/6/prweb9574253.htm>

EVENTS - CARTOGRAPHIC



 **ASIA
GEOSPATIAL
FORUM**

17 - 19 September 2012
Hotel Melia, Hanoi, Vietnam
Theme: Enabling Geo-Governance

Conference Exhibition Registration General Information Contact Us

Asia Geospatial Excellence Awards

The geospatial industry in Asia Pacific has been evolving with respectable reputation in the global arena. This is largely owing to the innovations and excellence brought forward by geospatial technology developers, professionals, end users and policy makers. In order to recognise and encourage such efforts, **Geospatial Media & Communications will confer awards and recognitions for exemplary technology innovations and applications development in the region.**



 **GeoCart'2012** Auckland
New Zealand
29-31 August 2012

Cartographic Convergence: Interweaving Data and Knowledge

Welcome
Invitation
Programme
Exhibition
Registration
Accommodation
Contact

MDW'2012
MCW'2012
NZCS

Invitation to Attend

[Conference Theme](#) | [Call for Papers](#) | [Important Dates](#) | [Programme Committee](#)

The **New Zealand Cartographic Society** is proud to announce the sixth National Cartographic Conference - **GeoCart'2012**. The Conference will be run in conjunction with the second **International Cartographic Association's (ICA) Regional Symposium on Cartography for Australasia and Oceania**. The event will be held at the outstanding facilities of **The University of Auckland**, 29-31 August 2012.

GeoCart'2012 and the ICA Regional Symposium on Cartography aims to bring together a wide cross section of the cartographic and geospatial community to promote new techniques and a greater understanding of the possible applications for spatial information in the future.

The Conference will host the National Cartographic Exhibition, including a Children's Map Competition, and **GeoExpo'2012** - a Commercial Exhibition focused on the latest innovations related to technology, products, applications and services offered by the top national and international manufacturers and vendors.

You are invited to submit papers, extended abstracts, abstracts or poster abstracts on any topic in cartography, geovisualisation and GIScience. Research papers and extended abstracts will be reviewed by at least two recognised specialists in the field. There is also a submission stream for poster abstracts, abstracts or professional papers which will be reviewed by the Programme Committee. All accepted submissions will be published in the Conference Proceedings and the authors invited to give a presentation.

On behalf of the Organising Committee, you are extended a warm invitation to participate in GeoCart'2012 and the ICA Regional Symposium on Cartography.

Looking forward to meeting you in Auckland, the *City of Sails*.

[top](#)

<http://web.env.auckland.ac.nz/public/geocart2012/invitation.htm#2>



INTERGEO 2012 - Conference opens with new format for the Navigation, INSPIRE and Surveying community

Dear

When it comes to geodesy, geoinformation and land management, **INTERGEO** is indispensable as the leading international information platform for the worlds of science and business. It is the key industry event in 2012.

Distinguished national and international speakers help ensure the event is a great success. For example, Cornelia Rogall-Grothe, State Secretary at the German Federal Ministry of the Interior, Steven W. Berglund, President and CEO of Trimble, and CheeHai Teo, President of the International Federation of Surveyors (FIG), will all hold keynote speeches to mark the start of the specialist presentations on the three days of the event.

From today, you can [register for the conference](#) and book your [ticket](#) online. Participants who are quick off the mark can benefit from the early bird discount until 31 August.



Fourth Open Source GIS Conference

Fourth Open Source GIS Conference - OSGIS 2012

Nottingham Geospatial Institute University of Nottingham

4th - 5th Sep 2012

Conference Aims

- To hear presentations from government, academic, industry and policy makers on open source, open standards and open data geospatial technologies
- To provide platform to network and develop ideas for future collaborative work in open source GIS
- To understand current developments in open source GIS to act as a focus for open source, open standards, open data GIS research

PAPER MAPS and ATLASES

Largest world atlas released

EARTH Platinum was launched for the first time in Abu Dhabi. The next launch is in London. After London the Atlas will be launched in Brazil, Qatar, and Riyadh all by December.

Here are some links relating to the Abu Dhabi launch (provided by Gordon Cheers):

English language

[http://www.khaleejtimes.com/kt-article-display-](http://www.khaleejtimes.com/kt-article-display-1.asp?xfile=data/nationgeneral/2012/June/nationgeneral_June130.xml§ion=nationgeneral)

[1.asp?xfile=data/nationgeneral/2012/June/nationgeneral_June130.xml§ion=nationgeneral](http://www.khaleejtimes.com/kt-article-display-1.asp?xfile=data/nationgeneral/2012/June/nationgeneral_June130.xml§ion=nationgeneral)

<http://gulfnews.com/news/gulf/uae/general/world-s-largest-atlas-launched-in-abu-dhabi-1.1034921>

http://www.zawya.com/story/Earth_Platinum_world_s_largest_atlas_launched_in_Abu_Dhabi-GN_12062012_130627/

<http://gulftoday.ae/portal/083f8610-b973-4fd5-830f-6c641321f90e.aspx>

ABU DHABI - Australian publisher Millennium House debuted Earth Platinum, the largest world atlas ever produced, at the National Center for Documentation and Research (NCDR) on Tuesday.

The 128-page book containing maps, photographs and text measures 6ft x 9ft (1.8m x 2.7m) and weighs 150kg, said Millennium House managing director Gordon Cheers, who joined NCDR Director-General Dr Abdulla Al Reyes for the unveiling.

“Dr Abdulla was the first person who said yes to the book, who had the vision to see it,” said Cheers, explaining Millennium House’s decision to introduce “Earth Platinum” in the UAE.

Another 31 copies of the atlas are currently in transit to England, he added.



Moin Anwar, Director of Trade and Investment at the New South Wales Government office in Abu Dhabi; Dr Abdulla Al Reyes; and Gordon Cheers at the launch of the world's largest atlas at the National Centre for Documentation and Research, Abu Dhabi. — KT photo by Nezar Balout

Aisha Tariq / 12 June 2012

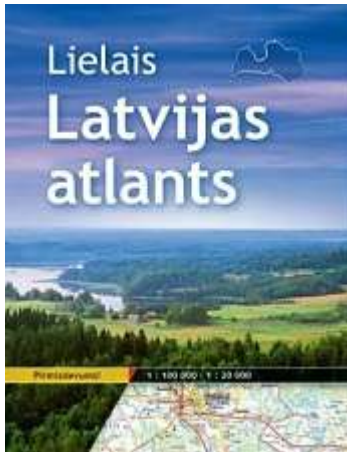
http://www.khaleejtimes.com/kt-article-display-1.asp?xfile=data/nationgeneral/2012/June/nationgeneral_June130.xml§ion=nationgeneral

Jana seta publishes most voluminous atlas of Latvia's maps

Nina Kolyako, BC, Riga, 31.05.2012

The map publishing company Karsu izdevnieciba Jana seta has published the most voluminous and the most precise collection of maps in the company's twenty-year history, "Lielais Latvijas atlants" (Great Atlas of Latvia), the company's advertising manager Arvils Dreska told LETA.

The atlas of almost 400 pages for the first time ever presents maps of Latvia in the 1:100000 scale.



http://www.baltic-course.com/eng/good_for_business/?doc=58067

This Day in World History

May 22, 1570

Ortelius publishes first world atlas



On May 22, 1570, bookmaking and map-making history were made. [Abraham Ortelius](#), a Flemish book collector and engraver published the [Theatrum Orbis Terrarum](#) (*Epitome of the Theater of the World*) — the world's first atlas.

<http://blog.oup.com/2012/05/ortelius-publishes-first-world-atlas/>

Google Map Maker arrives in Egypt

12 June 2012

[Bikya Masr Staff](#)

With the launch of Map Maker in Egypt, “anyone who cares about maps can lend their local expertise to create more detailed views of the places they know, such as their town, school, and more. Users can locate, draw, label and provide attributes for Egyptian map features for their area,” read the statement.

<http://bikyamasr.com/69670/google-map-maker-arrives-in-egypt/>

The art of travel

By Nicholas Crane

Last updated: June 2, 2012 12:19 am

Collectors and dealers are preparing for Europe's biggest antiquarian map fair. But what does the future hold for printed maps in the digital age?



A map from Gerard Mercator's 'Atlas' published in 1595 (the book's title came to be used as a noun for a bound volume of maps)

For the time being paper maps and digital mapping are complementary. Not long ago I watched the navigator of a Tornado aircraft plan his bombing mission on a flat paper Ordnance Survey map, then load the data into a digital "brick" that he carried to the aircraft. A modern OS Landranger map measures a metre across and allows the user to assimilate a vast amount of geographical information at a glance. Small screens just can't do the same job.

The digital revolution is, however, turning the map into an everyday object. They're in our cars, on our phones and iPads. Folk who were once cartographically-averse now scroll with alacrity through digital maps. Far from driving paper maps from the marketplace, Dr Rita Gardner, director of the RGS, suggests that digital devices are bringing maps to a wider audience: "The digital age has demystified maps for many people," she says, "and simultaneously shown just how central geography is to our lives."

<http://www.ft.com/cms/s/2/b4b0213a-a8a9-11e1-a747-00144feabdc0.html#axzz1yPjb4AeV>

A Vintage Look at 'Modern Map Making' in the 1940s

By Kasia Cieplak-Mayr von Baldegg

Jun 19 2012, 4:46 PM ET [1](#)

Thanks to smartphones and GPS, maps are just one more thing we tend to take for granted in our digital era. *Caught Mapping*, produced by Chevrolet in 1940, explores how roadmaps were made at the time. Courtesy of the [Prelinger Archive](#), the educational film outlines the whole process, from the field men who do the research to the cartographers who update the maps, featuring strategically placed Chevrolet cars all along the way.



<http://www.theatlantic.com/video/archive/2012/06/a-vintage-look-at-modern-map-making-in-the-1940s/258710/>

ENVIRONMENTAL & CULTURAL CARTOGRAPHY

What's going on in the Amazon?

Posted by [Willie Shubert](#) in [Road to Rio+20](#) on June 22, 2012



An interactive map, launched at Rio+20, seeks to help people keep up-to-date on the state of the Amazon basin. The map at the center of [InfoAmazonia.org](#) combines the descriptive power of cartography with timely news and reports about environmental threats to the region.

The map offers three layers—deforestation, fires, and extractive industries—to add critical context to stories that hover directly above. News can be filtered by the main contributor sources involved in InfoAmazonia and by news submitted by readers. By

taking this collaborative approach, the creators of InfoAmazonia seek to build a community of storytellers and data collectors to keep the map as current as possible. <http://newswatch.nationalgeographic.com/2012/06/22/whats-going-on-in-the-amazon/>

Solving the mystery of tropical deforestation — in two maps

Posted by Brad Plumer on June 23, 2012

Scientists have long known that countries in the tropics are cutting down their rain forests and digging up peatlands to make room for agriculture — and at a rapid rate.

.....researchers were able to create a more precise map of where the most intensive deforestation was occurring. Roughly 55 percent came from Brazil and Indonesia. (Note that this map doesn't measure [the loss of peatlands](#), which can account for half the greenhouse-gas emissions in Indonesia in some years):

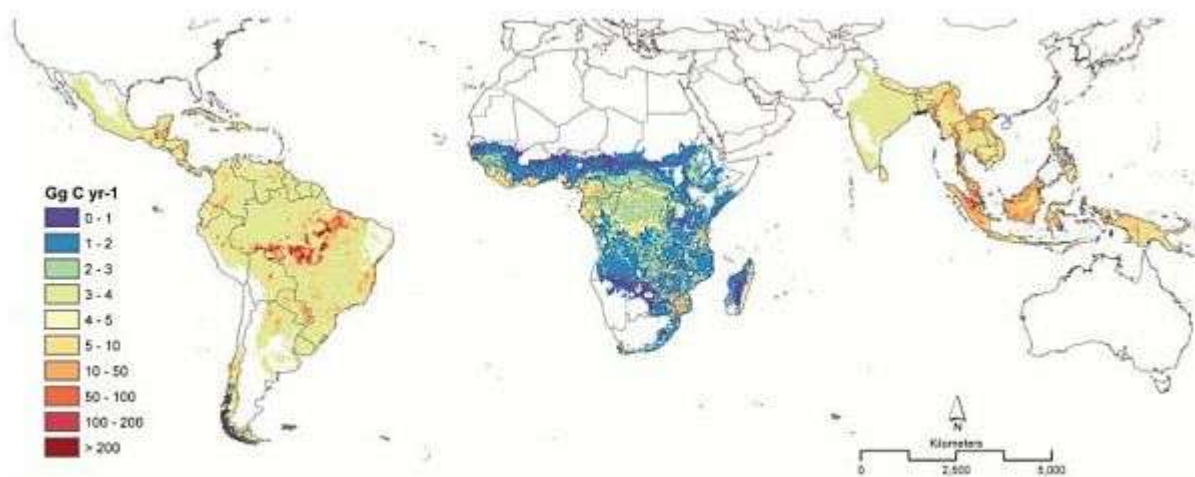


Fig. 2. Distribution of annual carbon emissions from gross forest cover loss between 2000 and 2005 mapped at a spatial resolution of 18.5 km. From Harris et al., "Baseline Map of Carbon Emissions from Deforestation in Tropical Regions"

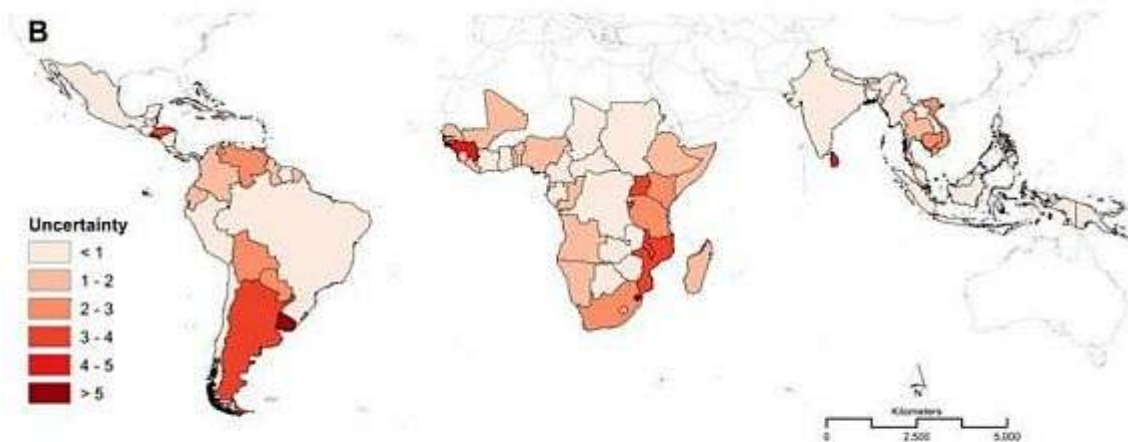


Fig. S3. Relative ordering of (A) deforestation emissions between 2000 and 2005 and (B) uncertainty in emissions estimates by country. Uncertainty is estimated as the ratio of the range of emission values within the 90% prediction interval to the median emissions estimate.

From Harris et al., "Baseline Map of Carbon Emissions from Deforestation in Tropical Regions"

<http://www.washingtonpost.com/blogs/ezra-klein/wp/2012/06/23/solving-the-mystery-of-tropical-deforestation-in-two-maps/>

<http://worldmrio.com/biodivmap/>

Ravenous consumption threat to third of vulnerable species

The insatiable Western appetite for coffee, chocolate, timber and other goods threatens a third of the world's most vulnerable animal species, according to Sydney researchers who [mapped the world economy](#).

The findings could lead to improved labelling on thousands of supermarket products, making sustainability ratings the norm rather than the exception and enable stricter controls on the trade of products that damage animal habitats.

The five-year study by University of Sydney academics tracked 5 billion supply chains involving 15,000 commodities produced in 187 countries, using years of data collection and thousands of hours on a supercomputer.

The data, linked to a global inventory of 25,000 endangered and vulnerable animal species, found that, excluding invasive species, 30 per cent of recorded threats were due to international trade.

In particular, developing countries were degrading habitat and threatening biodiversity to meet the demand for goods from richer nations.

In countries such as Madagascar, Papua New Guinea, Sri Lanka and Honduras, 50 to 60 per cent of biodiversity threats were linked to exports.

The study, published today in the journal *Nature*, represents the first time complex international trade routes have been mapped to measure biodiversity loss, and reveals the importance of global trade as a driver of species threat.

It showed the United States, Japan and Germany are the world's biggest consumers of "biodiversity-implicated" products.

Australia, despite its high consumption, suffers slightly more damage to animal habitat from the production of exports such as beef and native timber than that wrought abroad by our demand for imports.

According to the study, 158 Australian animal species such as the northern hairy-nosed wombat and the yellow-footed rock wallaby are threatened by exports to countries such as Japan, the US and China

In contrast, our consumption of imports drives 135 species threats in overseas countries, including vulnerable fish and birds in Papua New Guinea and Indonesia.

Barney Foran, a co-author of the study led by Professor Manfred Lenzen, said the findings showed efforts to ease domestic threats to animal species should be designed from a global standpoint.

"To deal with trade issue where price conquers all, we have to reward good management and penalise bad management," he said.

Responsibility for biodiversity impacts should be shared between the country which produced the good, and consumers who demanded it, Mr Foran said. The study noted a trend for industries to migrate from countries where environmental and safety standards were high, to more lax regimes abroad.

It said regulation among trade partners could be standardised and companies should be required to hold foreign suppliers to production standards that apply at home.

Existing international trade conventions could be extended from the trade of endangered species to "commodities where production leads to their imperilment", it said. Mr Foran said present labelling systems, such as those advertising dolphin-safe tuna and organic food, should be extended to cover all internationally traded products. "We could put a green, orange or red label on products depending on what country they come from and what type of product they are," he said.

"We shouldn't let retailers make sustainability labels a premium product. We should ask that they always stock products that are made responsibly, from the bottom shelf to the top shelf."

Thanks go to [Dave Adams](#) for this item.

Read more: <http://www.smh.com.au/environment/conservation/ravenous-consumption-threat-to-third-of-vulnerable-species-20120607-1zxny.html#ixzz1x5VToF5C>

Landsat sets the standard for maps of world's forests

Published: Monday, June 18, 2012 - 21:01 in [Earth & Climate](#)



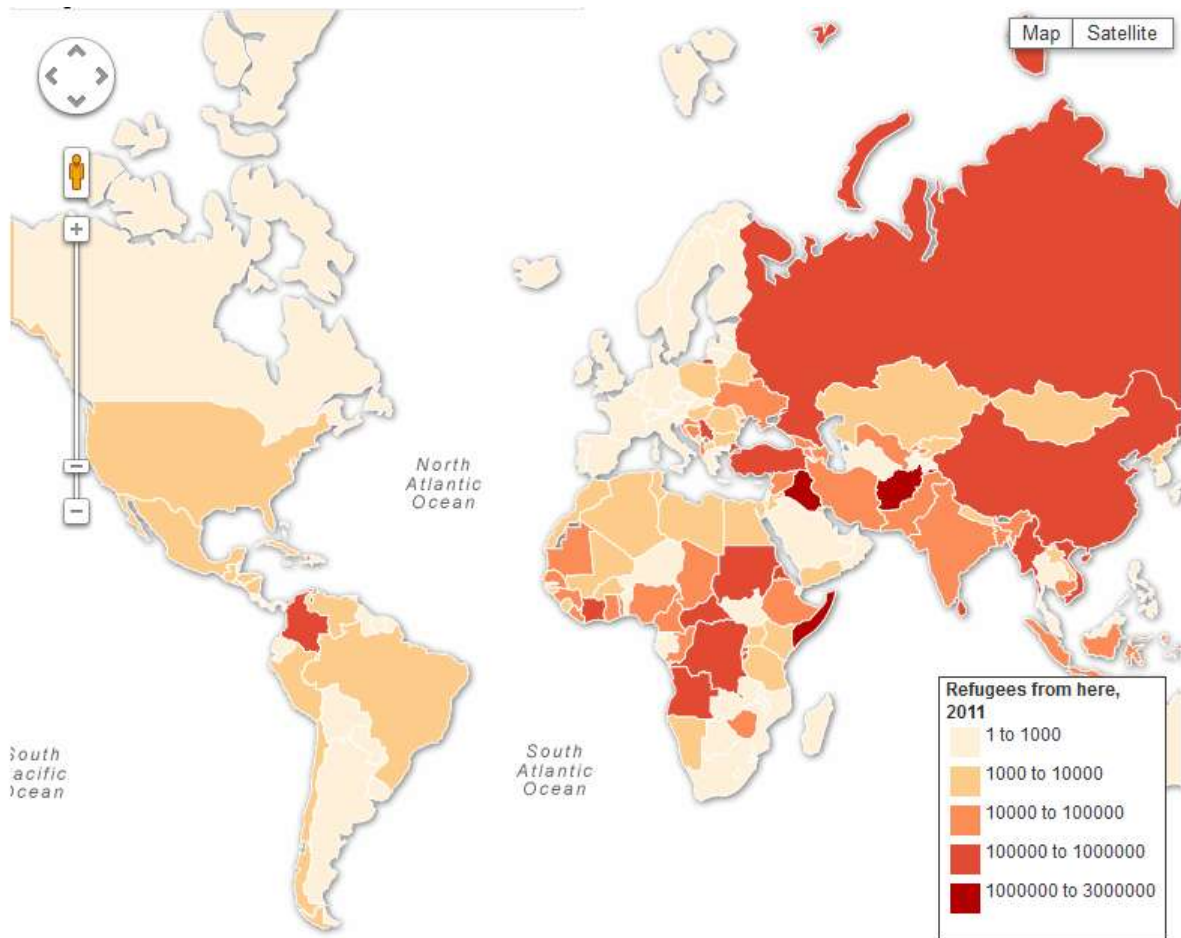
(Credit: NASA/JPL-Caltech)

NASA's Earth-observing fleet of satellites provides a worldwide and unbiased view with standardized scientific data -- information crucial for tracking the health of the world's forests. Countries like Brazil are using data from NASA satellites to track and measure their forests in advance of a United Nations effort to reduce climate change by providing "carbon credits" for protected land.

<http://esciencenews.com/articles/2012/06/18/landsat.sets.standard.maps.worlds.forests>

The refugee map of the world

There were 800,000 new refugees in the world in 2011, according to the [latest data out this week from the UNHCR](#). 2011 is a record year for forced displacement, with more people becoming refugees than at any time since 2000.



<http://www.guardian.co.uk/global-development/datablog/interactive/2012/jun/20/refugees-map-unhcr-asylum-2012>

Mapping marine debris in our waters

18 June 2012 , 6:02 PM by Terri Begley

There's a PHD student who is hard at work creating the first map debris in Australian waters. One of the biggest concentrations she's found so far has been off South East Queensland. Julia Reisser spoke about her work with Tim Cox.



<http://blogs.abc.net.au/queensland/2012/06/mapping-marine-debris-in-our-waters.html>

Google launches cultural map of Brazil's Amazon tribe

June 17, 2012 by Gerard Aziakou



[Enlarge](#)

Rebecca Moore (R-front), Engineering Manager of Google Earth Engine and Earth Outreach, speaks alongside Brazilian Surui tribe Chief Almir (L-front) and members, during press conference in Rio de Janeiro, Brazil. Moore announced the creation of a Google culture map for the Surui tribe in the Amazon.

The map, the result of a five-year partnership between Surui chief Almir and the US technology giant, was released online for the first time at a business forum held on the sidelines of the UN Rio+20 conference on sustainable development here.

The map, a collection of picture and videos mapping historical sites and offering 3-D visualization of Surui territory in the northwestern Brazilian state of Rondonia, is available on the site www.paiter.org as well as on [Google Earth](#).

<http://phys.org/news/2012-06-google-cultural-brazil-amazon-tribe.html>

CARTOGRAPHERS

Notable Cartographers and Their Maps

Here are famous **cartographers** who established themselves as some of the world's best known and significant mapmakers.

<http://gislounge.com/notable-cartographers-and-their-maps/>

Over 300 cartographers trained in 14 provinces

6/20/12 10:56 AM

Angola

Luanda - The National Statistics Institute (INE) has trained so far 340 **cartographers** from 14 provinces of the country, aimed to update the Angolan cartographic map, Angop has learnt.

http://www.portalangop.co.ao/motix/en_us/noticias/sociedade/2012/5/25/Over-300-cartographers-trained-provinces,f347c0b9-58d8-4b25-bf71-f05f1a52a187.html

Google seeks SA cartographers

Google is hoping South Africans will help it to map the country with a greater level of detail by contributing local knowledge to its Maps service. By Craig Wilson.

<http://www.techcentral.co.za/google-seeks-sa-cartographers/32887/>

Where scale permits

Posted by [Juan Valdes](#) on June 20, 2012

As is frequently the case, National Geographic **mapmakers**—for that matter, mapmakers worldwide—often face the problem of having to fit too much cartographic information into too little cartographic space.

<http://newswatch.nationalgeographic.com/2012/06/20/where-scale-permits/>

The journey of Islam in maps

Dina Indrasafitri, The Jakarta Post, Jakarta | Feature | Wed, 06/20/2012 12:07 PM
De Agostini is the descendant of famous Italian **cartographers**. His forebear, Giovanni de Agostini, founded the first private geographic institute, the Istituto Geografico de Agostini, in Rome in 1901. The company produced maps and atlases for Italy so that the country no longer had to depend on foreign-made maps.

<http://www.thejakartapost.com/news/2012/06/20/the-journey-islam-maps.html>

GIS tools are not just for geeks

Bangalore, June 17, 2012

Cartographers try to visualise a wide spectrum of this geospatial information in a variety of maps, which is basically to employ visualisation technique. The innovation of digital maps has enabled more comprehensive analysis, manipulation and prediction of statistics based on the data collected.

<http://www.thehindu.com/news/states/karnataka/article3536891.ece>

Project Pressure, a collaboration of photographers, scientists, web developers and

The race to map Africa's forgotten glaciers – in pictures

A collaboration of and **cartographers**, is working to document the terminal decline of many of the world's glaciers as they slowly melt away.

<http://www.guardian.co.uk/environment/gallery/2012/jun/02/africa-forgotten-glaciers-in-pictures?newsfeed=true>

CARTOGRAPHY IN THE NEWS

Google Maps Coordinate keeps track of your staff

Posted by [Grant Shepherd](#)



Google has just released Google Maps Coordinate a location-based app for Android smartphones that allows employers to see where their team members or employees are located and assign tasks remotely.

Google Maps Coordinate senior product manager, Daniel Chu said the app is able to look at the worker's location history and job history, so it enables an organisation to see how its team is deployed.

"Were there areas that we were sending people off the beaten path, if we should hire someone else to place there, and apply more data based decision making in terms of trying to figure out how to manage operations," Mr Chu said.

As for the app itself, jobs that have been assigned have full details including timestamps.

"It also allows the folks in the field to indicate their progress as they go through their jobs, a worker can either accept or decline the job based on their capacity," Mr Chu said.

<http://www.ttmag.com.au/2012/06/25/google-maps-coordinate-keeps-track-of-your-staff/>

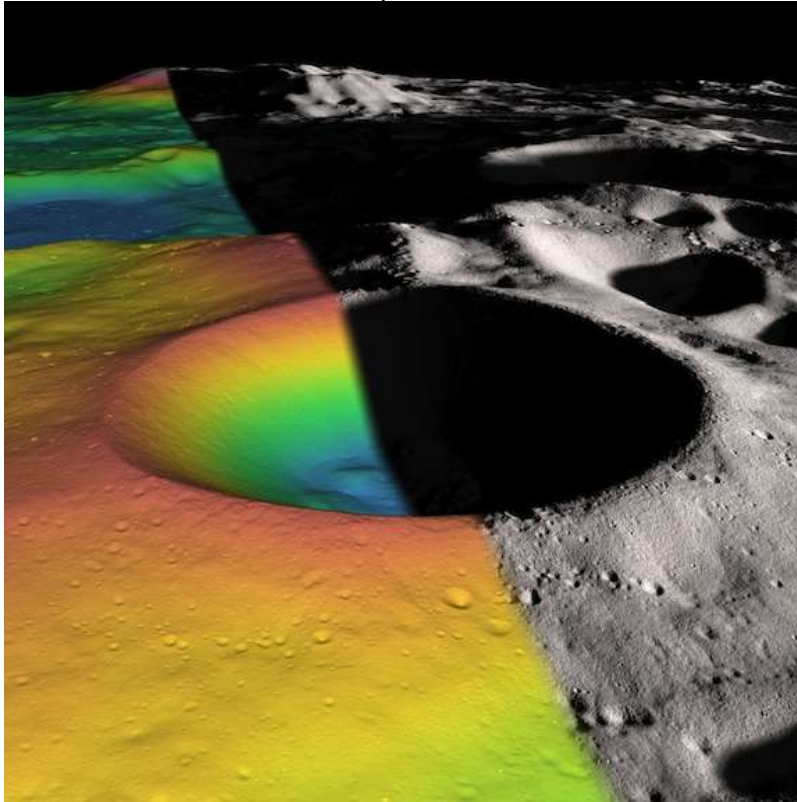
Mapping Ice on the Moon

Moon to Mars

Posted: 06/21/12

Source: [MIT](#) press release

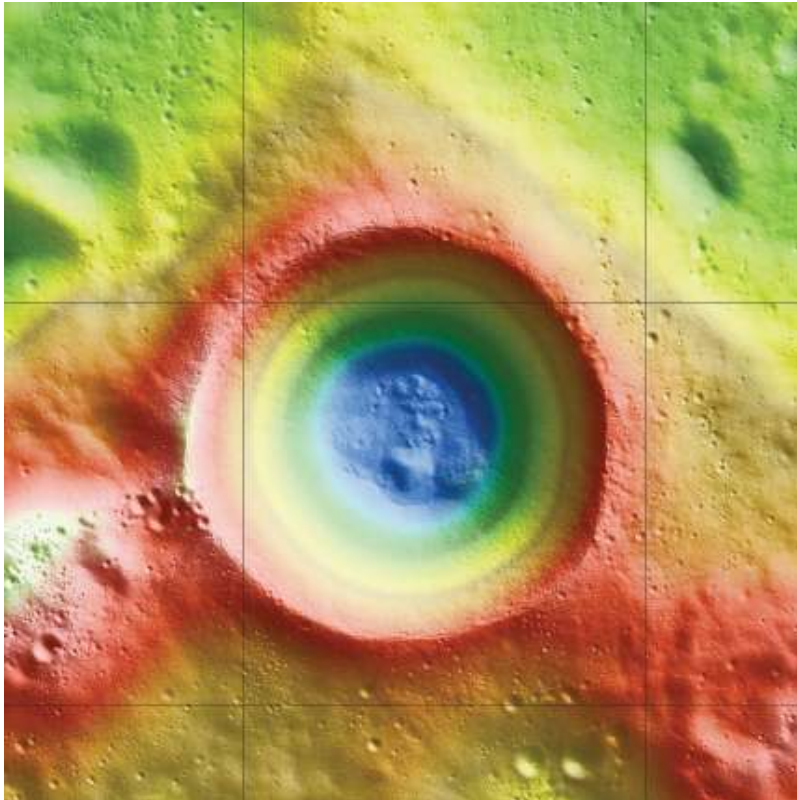
Summary: Researchers have mapped the Moon's Shackleton crater, finding possible evidence for small amounts of ice on the crater's floor. The ice could be an important resource for future human explorers.



Elevation (left) and shaded relief (right) image of Shackleton, a 21-km-diameter (12.5-mile-diameter) permanently shadowed crater adjacent to the lunar south pole. The structure of the crater's interior was revealed by a digital elevation model constructed from over 5 million elevation measurements from the Lunar Orbiter Laser Altimeter.

Credit: NASA/Zuber, M.T. et al., Nature, 2012

.... scientists from MIT, Brown University, NASA's Goddard Space Flight Center and other institutions have mapped Shackleton crater with unprecedented detail, finding possible evidence for small amounts of ice on the crater's floor. Using a laser altimeter on the [Lunar Reconnaissance Orbiter](#) (LRO) spacecraft, the team essentially illuminated the crater's interior with laser light, measuring its albedo, or natural reflectance.



This is an elevation map of Shackleton crater made using LRO Lunar Orbiter Laser Altimeter data. The false colors indicate height, with blue lowest and red/white highest. Credit: NASA/Zuber, M.T. et al., *Nature*, 2012

<http://www.astrobio.net/pressrelease/4837/mapping-ice-on-the-moon>

When Web maps fail, Data Mapping Services points the way

Thursday, June 21, 2012

BELFAST, Maine — A few years ago, a hand-held device that could direct drivers from their dooryards to an address on the other side of the state elicited wonder. Today, when that technology fails to provide spot-on directions, users are frustrated.

But if consumers get annoyed when the GPS on their smartphone fails to lead them to their destination, imagine what business owners feel when one of the many Web mapping services leads a potential customer to the wrong location.

As many as 20 percent of business listings on Web-based map sites and services are inaccurate, says Jim LeClair

The mistakes occur when “data bots” — automated data gathering programs — either make incorrect assumptions about a business location, or as they search the Web and obtain information, appropriate the wrong data.

<http://bangordailynews.com/2012/06/18/business/when-web-maps-fail-data-mapping-services-points-the-way/?ref=mostReadBoxBusiness>

Google begins mapping UK rivers

Google has started mapping Britain’s rivers and canals so that people can use the service to plan water-based journeys.

1:00PM BST 19 Jun 2012

In its latest mapping project, the team behind Google Maps have started plotting all of the UK’s towpaths in a bid to get more people enjoying the country’s rivers and canals.

Later this year Google Maps will be updated to allow users to plan trips which include locks, bridges and towpaths along the 2,000 miles of river paths in the UK.

<http://www.telegraph.co.uk/technology/google/9340833/Google-begins-mapping-UK-rivers.html>

TomTom expands Asia Pacific coverage; targets enterprise, government

By [Zack Whittaker](#) | June 19, 2012, 3:30am PDT

Summary: TomTom is reaching out to enterprise and government users in its rollout of Asia Pacific coverage, including a huge boost for mapping in China.

Satellite navigation giant TomTom has announced the availability of its latest mapping products for the Asia Pacific region, targeting enterprise and government customers.

TomTom said it now offers maps across 51 countries and territories in the region, with navigable coverage for more than 15 countries and 8 million kilometers of road.

<http://www.zdnet.com/blog/btl/tomtom-expands-asia-pacific-coverage-targets-enterprise-government/80286>

What Good Are 3D Maps, Anyway?

By [Mark Hachman](#)

June 7, 2012



The upcoming 3D depictions of the world's buildings by Google, and presumably Apple, may be the next big technological achievement for both companies. But so far, no one has answered the key question: really, what good is it?

Google's press conference Wednesday, where it [announced details](#) of the new technology, was strictly defensive.

If the rumors are true, Apple is expected to [announce its own 3D mapping technology](#) at its Worldwide Developer Conference (WWDC) next week - where Apple will also have to justify its use of 3D technology using phrases other than "revolutionary" or "magical." Neither will be the first to the market, as PCMag's Chandra Steele [so neatly demonstrated](#).

<http://www.pcmag.com/article2/0,2817,2405422,00.asp>

Dalian Naval Academy's marine surveying and mapping discipline certified by international organizations

By Zhang Wei and Song Xiaobiao ([PLA Daily](#))

08:25, May 29, 2012 Q+-

A piece of good news was sent from Buenos Aires of Argentina to the Dalian Naval Academy of the Navy of the Chinese People's Liberation Army (PLA) on the morning of May

23, 2012. It announced that the Dalian Naval Academy's marine surveying and mapping discipline has successfully passed the authoritative certification by the International Federation of Surveyors (IFS), the International Hydrography Organization (IHO) and the International Cartographic Association (ICA), and has once again won the Grade "A" training organization qualification for international hydrographers and international nautical chart cartographers.

<http://english.peopledaily.com.cn/90786/7829271.html>

CAROGRAPHY – OTHER NEWS SOURCES



<http://www.cartotalk.com/index.php?showtopic=8245>



Best of the Blogs

Hot news this morning is Apple's [departure from Google Maps](#) in iOS 6, instead moving to their own in-house mapping application, created from acquisitions of several mapping companies in recent years. AnyGeo has a great overview, including data partners. Apple have also now posted a video showing the [new maps application](#) in action.

Further to this, James Fee from Spatially Adjusted asks "[Will Apple maps impact web mapping?](#)" And interesting post worth a read by any GIS developers out there.

Google Maps Mania highlight a crowd-sourced map of "[the global transition to a new economy.](#)" A new economy is one that "maximizes well-being, operates within environmental limits and is capable of coping and adapting to global environmental change".

For any Doctor Who lovers out there, Retronaut has pulled together various historical photographs of the [Doctor's many travels through time and space](#), and, using StreetView, has placed them in their current context.

GIS Lounge have a post all about some of history's most [notable cartographers and their maps](#). Some truly beautiful maps here.

O'Reilly Radar's visualisation of the week last week was a time-lapse movie map that shows [global Bit Torrent usage](#), made by the creators of the file-transfer protocol. It's a great example of a way to display time-series data in an attractive and engaging way.

LiDAR News has a post talking about the way that LiDAR was used to assess the damage after the [Japan earthquake and tsunami](#). "The idea is that it's a virtual world you can explore without being physically present in that dangerous environment. You can move through it in the software."

<http://www.spatialsource.com.au/2012/06/12/article/Best-of-the-Blogs-12-June-2012/PDKPTYSXZK.html>



Sensors & Systems *Monitoring, Analyzing and Adapting to Global Change* **NEWSLETTER**
Volume 6 / Issue 24 / June 12, 2012

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[How will real-time inputs, and the increasing number of sensors, impact the geospatial industry?](#)

For decades the lack of geospatial data was a barrier to geographic information system expansion and adoption. While obtaining high-quality spatial data continues to be a challenge, the problems of a lack of available data has quickly turned into the need to manage a glut of information.

[Discovering the Next Dimension: How LiDAR Data is Changing the Geospatial Workflow](#)

Today, geospatial data is used in critical decision making across industries and applications – from disaster response to defense and intelligence and natural resource management. When using geospatial data to make critical decisions, it is increasingly important to understand an area of interest from all angles in order to make the most informed decisions possible.

[A Data Commons for Spatio-Temporal Knowledge About Our World](#)

Now that we've achieved near global digital spatial data coverage, with a number of online tools to explore the world, it's time to add to that data with further understanding.

info@sensysmag.com



Coordinates
A monthly magazine on positioning, navigation and beyond

MAY 2012

Coordinates is a monthly magazine on positioning, navigation and associated technologies. It aims to broaden the canvas of the technology by taking it from the domain of experts to the realm of potential users.

Coordinates is published by Centre for Geo-Information Technologies (cGIT), a Non Government Organisation (NGO) based in Delhi, India
Examples of articles:

▷ LBS



[Assisting visually impaired using smart-phone sensors](#)

Oluropo Ogundipe

A project at the University of Nottingham, is working to investigate indoor positioning and object recognition to aid the blind. As part of that project, tests were conducted to assess the quality of the various sensors of a smart-phone, the aim was to assess whether the smart-phone could be used as the sensor platform to enable the development of assistive technology for the visually-impaired... [\[more\]](#)

▷ DISASTER MANAGEMENT

[Crustal movement before and after the Great East Japan Earthquake](#)

Dr Shunji Murai and Dr Harumi Araki

This paper summarizes the pre-signals before the earthquake which may be important information for predicting the occurrence of earthquakes as well as the crustal movement after the earthquake. At last a case study of simulation of future catastrophic earthquakes and Tsunami which may happen in coming a few hundred years by using archeological excavation data of the past great earthquakes... [\[more\]](#)

<http://mycoordinates.org/>



Week 24/25 - 2012

Latest news

[Leica Geosystems and GeoCue to Develop Innovative Workflow Solutions Together](#)

Leica Geosystems, manufacturer of airborne mapping solutions, together with GeoCue, a provider of geospatial workplace integration, announced ...

[Read more](#)

[TomTom Confirms Agreement with Apple for Map Data](#)

Dutch navigation and digital map maker TomTom confirmed their licensing agreement with Apple "for maps and related information" following ...

[Read more](#)

<http://www.geoinformatics.com/newsletter-subscribe>

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Brad Schmitt, Vice President of Sales and Marketing

The ENVI 5 Interface Exells

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GRS-1

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TOPCON

What's New on GISCafe

exactEarth Announces Availability of the New exactAIS Premium™ Service

HUD's New Map Application Built on Esri Technology

Webb Simpson wins the 2012 U.S. Open on putting surfaces built with Topcon precision measurement tec...

Important Notices

HP's Latest CADCentric Technology – an interview with Tom Salomone

GeoSpatial Training: E-Learning for the GIS Professional - Any Time, Any Place!

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http://www.gisuser.com/component/option,com_frontpage/Itemid,1/

LITERATURE

The Day the World Discovered the Sun



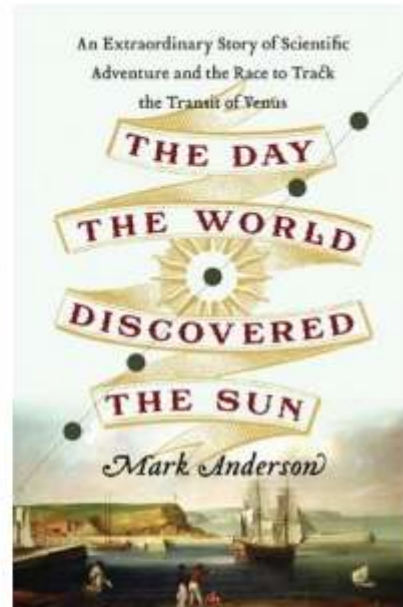
0



Anderson, Mark. *The Day the World Discovered the Sun: An Extraordinary Story of Scientific Adventure and the Race To Track the Transit of Venus*. Da Capo. 2012. c.288p. photogs. index. ISBN 9780306820380. \$26. NAT HIST

In 1769, in one of the earliest examples of “team science,” expeditions were organized to collect observational data of the transit of Venus—which occurs when the planet’s orbit crosses between the Sun and Earth—from several points on the globe. Spurred by the data from Venus’s 1761 transit, the natural philosophers of the day knew that the 1769 transit measurements were key to calculating with greater accuracy the distance between Earth and the Sun as well as to better determining longitude for ship navigation. Anderson (“Shakespeare” by Another Name) tells the stories of three research voyages: James Cook’s

to Tahiti on the British *Endeavour*, French astronomer Jean-Baptiste Chappe d’Auteroche’s on *La Concepción* to the Gulf of California, and the Hungarian Jesuit scientist Maximilian Hell’s to the Arctic Circle on the *Urania*. Their experiences are woven into an adventure tale informed by diary entries of the time. Astronomers today are preparing for a June 6, 2012, transit, which like the 18th-century transit is the second within a decade; the last was in 2004 and the next will be in 2117. **VERDICT** Recommended for casual students of history and astronomy.—Sara Rutter, Univ. of Hawaii at Manoa, Honolulu



http://reviews.libraryjournal.com/2012/06/books/nonfic/sci-tech/the-transit-of-venus/#_

Back to the Future: On National Geographic and Crisis Mapping

Posted by [Patrick Meier](#) of [National Geographic Emerging Explorers](#) in [Explorers Journal](#) on June 19, 2012

Published in October 1888, the first issue of [National Geographic Magazine](#) “was a modest looking scientific brochure with an austere terra-cotta cover” ([NG 2003](#)). The inaugural publication comprised a dense academic treatise on the classification of geographic forms by genesis. But that wasn’t all. The first issue also included a riveting account of “[The Great White Hurricane](#)” of March 1888, which still ranks as one of the worst winter storms ever in US history.



Wreck at Coleman's Station, New York & Harlem R. R., March 11, 1888

<http://newswatch.nationalgeographic.com/2012/06/19/back-to-the-future-on-national-geographic-and-crisis-mapping/>

eBook on "Advanced Geo-Simulation Models"

Geosimulation has recently emerged at the intersection of Geographic Information Science, Complex Systems Theory and Computer Science. Geosimulation aims at understanding the dynamics of complex human-driven spatial systems through the use of spatially explicit computer simulation. The approaches and tools for validating Geosimulation models are especially important for understanding their complex and spatially heterogeneous outcomes. The Ebook presents the recent conceptual and methodological advances achieved in the field.

ISBN: 978-1-60805-222-6

ADVANCED GEOSIMULATION MODELS

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TECHNOLOGY, DEVELOPMENTS & KNOWLEDGE

The Wind Rose

Pat Shingleton for June 15, 2012

June 15, 2012

The “wind rose” is a circular directional emblem found on vintage maps and charts. As noted previously, it evolved from the four primary wind directions arranged around a circle that represented the horizon. In the 16th century, cartographers expressed their most imaginative work within the rose, incorporating brilliant colors with gold- and silver-laced trims. Possibly through some means of uniformity, principal winds, half-winds and quarter-winds were done in various colors. Fifteenth-century Italian cartographers used gold, green and red hues for their winds. Cherubs were added, blowing the principal winds from their mouths, accompanied by wild animals. Where the compass and GPS set our course today, the wind rose was the primitive directional indicator on navigational charts. More Saturday. Fastcast: Sticky.

<http://theadvocate.com/columnists/3032973-55/pat-shingleton-for-friday-june>

How satnav maps are made

Posted on 22 Jun 2012 at 15:15



Jonathan Bray reveals how the maps are created for the world's biggest satnav firms - and whether they have a future at all

When a lorry driver wedged his 13-tonne truck between a house and an estate agent in Somerset recently, the media was quick to point the finger of blame at a familiar culprit – the 6in screen sitting on his dashboard.

Flawed satnav instructions are the scapegoat for ridiculous round-trips, buses wedged under bridges, and ambulances taking life-threatening diversions. But few understand or appreciate how far mapping companies go to ensure the accuracy of the data they're providing.

And, of course, we rarely hear of the millions of gallons of petrol saved or countless hours of business productivity recouped by the millions of satnav users who shave 10 or 20 minutes off their journey times every day.

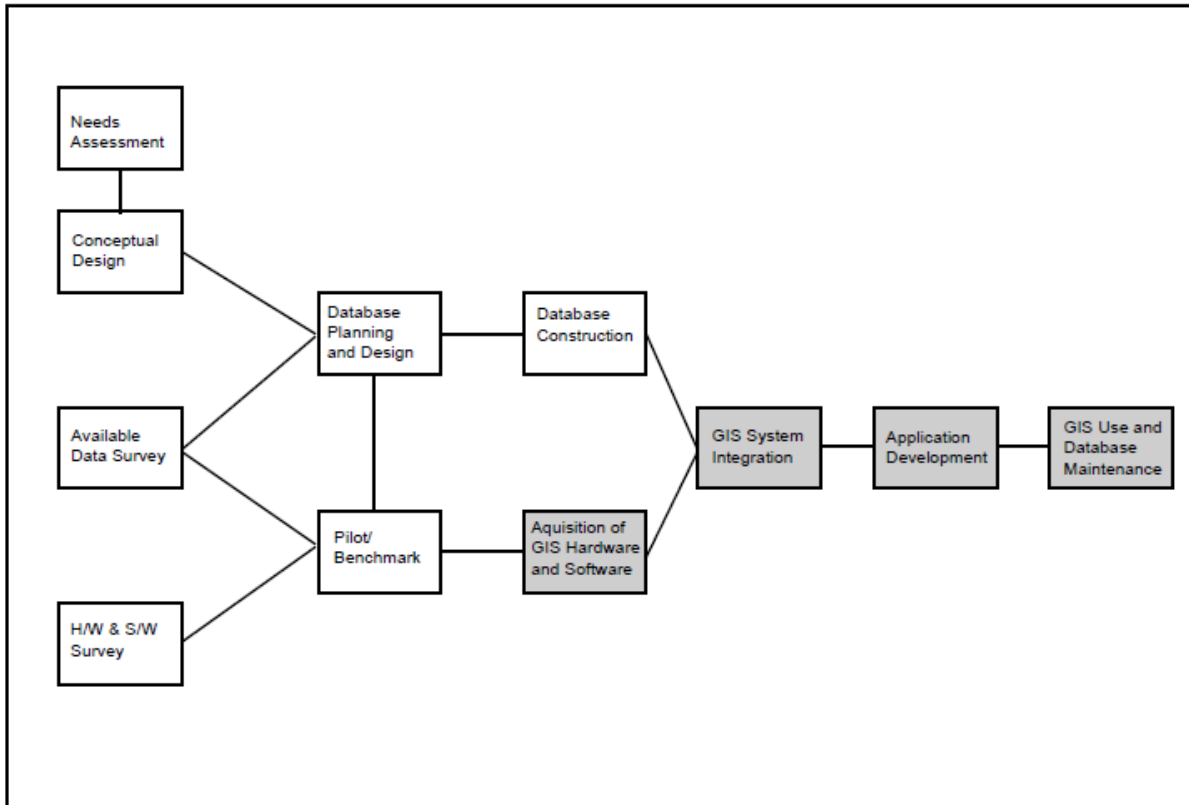
In this feature, we'll reveal the extraordinary efforts companies make to create and update their maps, and continually verify their accuracy, as well as sparing drivers from hours of sitting in traffic jams with the use of real-time data. We'll also show just how much maps can differ from one provider to another.

Read more: [How satnav maps are made | Analysis | Features | PC Pro](#)

<http://www.pcpro.co.uk/features/375415/how-satnav-maps-are-made#ixzz1ymNIHSdl>

Acquisition Guide for GIS Hardware and Software

Guide discusses the acquisition of GIS hardware and software, GIS system integration, GIS application development, and GIS use and maintenance. Also covered is evaluation of proposals and a delivery and installation plan as well as hardware, software, and network and communications specifications. Guide is available for download by clicking [here](#).



<http://www.ncgia.buffalo.edu/sara/volumeiii.pdf>

GPS technology improves weather forecasting

14 June 2012



RMIT researchers are helping make weather forecasting more accurate. Image © iStockphoto.

The satellite-based global positioning system technology that guides modern in-car navigation systems is now being used to improve weather forecasts.

Researchers at RMIT University's SPACE Research Centre and the Bureau of Meteorology are using GPS and low earth orbit satellites to provide an additional type of temperature profile observation for use in weather forecasting computer models.

The computer models draw on about a hundred thousand million current weather observations, including data from 30 to 40 complementary satellite instruments, to generate the information used by meteorologists to prepare weather forecasts

RMIT Adjunct Professor John Le Marshall is Research Program leader at the Bureau of Meteorology and former Inaugural Director of the Joint Center for Satellite Data Assimilation, a joint NOAA, NASA and DOD research initiative in Washington.

He said: "What we've found through our work with RMIT's SPACE research team is that the GPS data improves the real-time temperature field and the cross-calibration of the data from a number of satellite instruments.

"This in turn significantly increases the usable quality of the satellite observations.

<http://www.rmit.edu.au/browse;ID=zdfzl7ajhq9s>

The Next Generation of Maps

Thursday, June 21, 2012 at 11:00 AM

Maps you can move in. Big, deep, 3D changes coming to the world of digital cartography.



Itsukushima Shinto Shrine, Japan. (Google Maps)

<http://onpoint.wbur.org/2012/06/21/maps>

In the zone

Using geocoding technology can help bring customers to businesses by simplifying and speeding up the use of maps on websites.



Geocoding technology is being used by businesses which have maps on their websites

[Ben Lobel](#)

Date: 20 June 2012

Article: [Analysis](#)

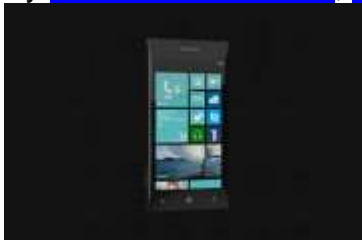
Geocoding is a technology that translates an address or postcode into geographical coordinates. It is being used by businesses which have maps on their websites to give customers quicker access to details of local services.

<http://www.growthbusiness.co.uk/growing-a-business/business-tools/2109148/in-the-zone.shtml>

CARTOGRAPHY at WAR

Windows Phone Joins the Map Wars, Gets Nokia Maps Built-In

By [Armando Rodriguez](#), [PCWorld](#) Jun 20, 2012 10:25 AM



Windows Phone 8 Details Revealed

At the Windows Phone Developer Summit, Microsoft unveiled some of the features that will be found in its next mobile OS.



On Wednesday's [Windows Phone Developer Summit](#), Microsoft announced that Windows Phone 8 would use Nokia's mapping technology--the same mapping software you find on phones like the [Lumia 900](#).

[Nokia's maps](#) will bring turn-by-turn directions to all Windows Phone 8 devices, as well as offline support and better local information. That means you'll be able to save maps for times when you don't have a data connection, and Local Scout (a feature introduced in the [Mango update](#) that shows local venues) will be improved with new information from Nokia maps. Developers will also benefit from the inclusion of Nokia's maps and will be able to create apps that take advantage of the robust mapping API.

http://www.pcworld.com/article/257966/windows_phone_joins_the_map_wars_gets_nokia_maps_builtin.html

Scarborough Shoal: It's PH map vs China map

CARTOGRAPHY WAR

By Jerry E. Esplanada
Philippine Daily Inquirer

2:26 am | Friday, June 15th, 2012

Old maps, which some government officials believe may hold the key to the Philippines' claim to Scarborough Shoal in the West Philippine Sea (South China Sea), were the created by foreign missionaries and colonial explorers, making them "personal and unofficial," according to a report posted on the website of the Chinese Embassy in Makati City.



BAJO SCARBURU European cartographers named Scarborough Shoal as "Bajo Scarburo" in this 1820 map from the book "Mapping the Philippines: The Spanish Period."

<http://globalnation.inquirer.net/40007/scarborough-shoal-it%E2%80%99s-ph-map-vs-china-map>

Google's, Apple's eyes in the sky draw scrutiny

June 20, 2012 - 10:48AM



Privacy concerns ... Luc Vincent, Google Engineering Director for Street View, demonstrates a backpack camera called Trekker during a news conference about Google. *Photo: Getty Images/AFP*

Google and Apple are attracting renewed scrutiny of their practices due to privacy concerns - this time for flying "military-grade spy planes" over major US cities as they race to shore up their rival 3D mapping services.

Google and Apple each unveiled new 3D mapping services this month at separate events. The maps let users navigate around an aerial view of a city that appears much more realistic than flat, top-down satellite-based images currently available in mapping products.

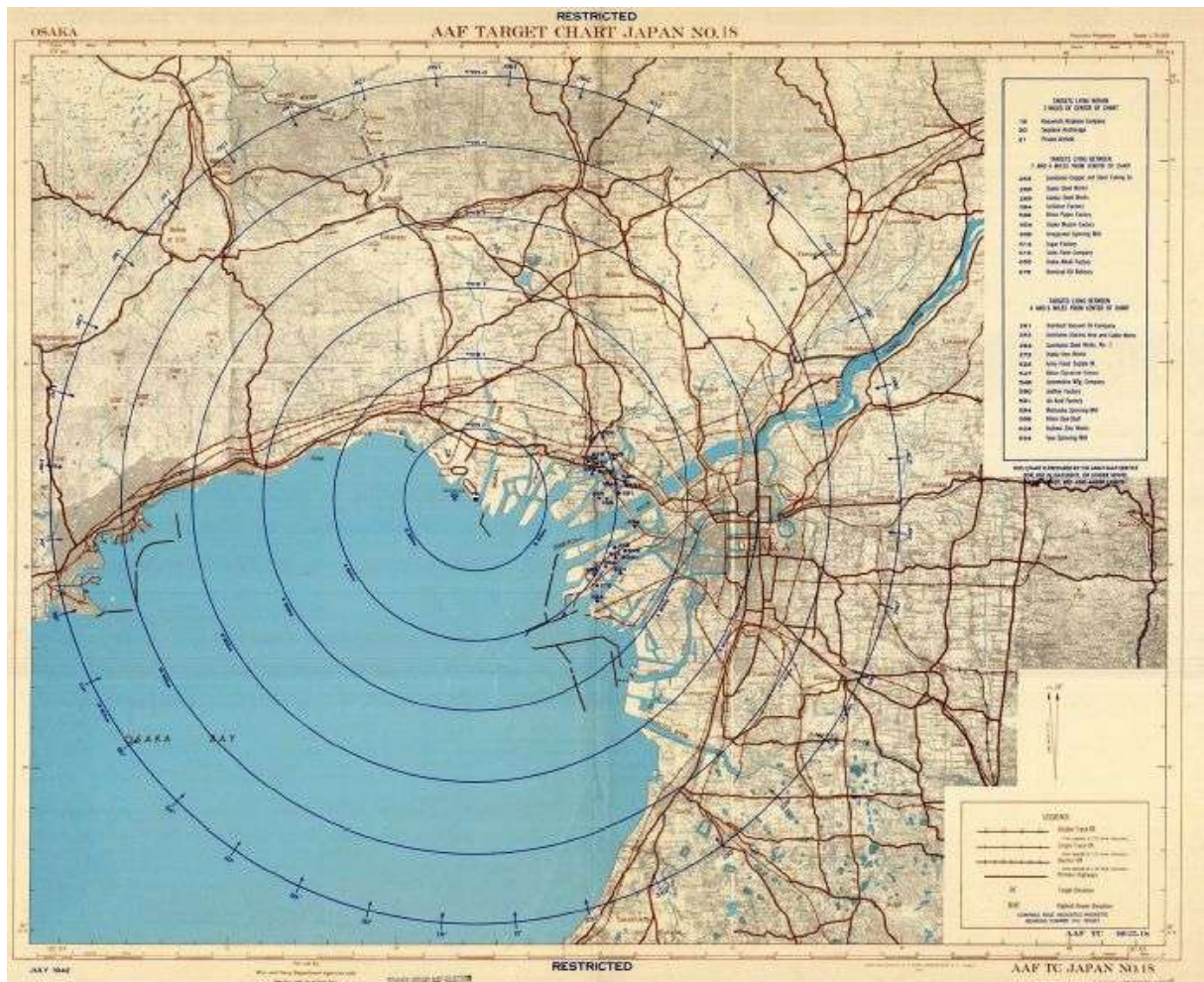
Read more: <http://www.smh.com.au/digital-life/consumer-security/googles-apples-eyes-in-the-sky-draw-scrutiny-20120620-20mth.html#ixzz1yJbrHA8f>

Mapping 'Urbicide' in World War II

- [Eric Jaffe](#)
- May 28, 2012

The more removed we get from World War II, the more important it becomes to remember the war that shaped the modern world, and yet the harder it becomes to find fresh angles of remembrance. In a recent issue of the *Journal of Historical Geography*, researchers David Fedman of Stanford and Cary Karacas of CUNY-Staten Island [present visual evidence](#) of the systematic destruction of 65 Japanese cities by U.S. military bombers — a process of "urbicide" they call "one of the most striking gaps in ... U.S. public consciousness regarding the major events of World War II."

Shortly after the attacks on Pearl Harbor, the American military mobilized several units of mapmakers that ultimately played a central role in the planning of air assaults on Japanese cities. The Map Division of the Office of Strategic Services alone produced some 8,000 maps throughout the conflict. In their work, Fedman and Karacas use this wartime cartography to show how U.S. bombing of Japanese cities shifted from military targets to urban populations in general after 1943.



<http://www.theatlanticcities.com/politics/2012/05/mapping-urbicide-world-war-ii/2121/>

Conferences

DCH2012 Interdisciplinary Conference on Digital Cultural Heritage

July 2-4

Saint-Dié-des-Vosges (France),

<http://DCH2012.net>

Brisbane International Geospatial Forum 2012

8 - 10 July

'Global Connections through Mapping'

Brisbane, Australia

Hosted by Mapping Sciences Institute, Australia, the Australian and New Zealand Map Society and the International Map Trade Association. A combined Conference and Trade Show.

Show. Further information:

(website) www.imtamaps.org ; (email) imtaaspac@chariot.net.au

Exploration and Mapping in Mining 2012

Data management and integration

17th – 19th July 201, Duxton Hotel, Perth

GeoCart'2012 – Cartographic Convergence

29-31 August 2012-06-25 Auckland, New Zealand

The [New Zealand Cartographic Society](#) is proud to announce the sixth National Cartographic Conference - GeoCart'2012. The Conference will be run in conjunction with the second [International Cartographic Association's](#) (ICA) Regional Symposium on Cartography for Australasia and Oceania.

<http://web.env.auckland.ac.nz/public/geocart2012/invitation.htm#2>

Asia Geospatial Forum

3-days geospatial conference

17-19 September 2012

Hanoi, Vietnam

The United Nations/Vietnam Workshop on Space Technology Applications for Socio-Economic Benefits Workshop

10 to 14 October 2011

Hanoi, Vietnam,.

Office for Outer Space Affairs

United Nations Office at Vienna

Vienna International Centre

<http://www.oosa.unvienna.org/oosa/en/SAP/act2011/Vietnam/index.html>

Interexpo

17-19 April 2012

Novosibirsk

Geo-Siberia-2012", the 8th international congress and specialized exhibition in the field of geodesy, cartography, geology, geophysics, land management, land and property cadastres, geoinformation, Earth remote sensing, forestry management, environmental monitoring, specialized instrument-making, which will be held on 17-19 April 2012 in Novosibirsk, Russian Federation. "Interexpo Geo-Siberia-2012" is the former "Geo-Siberia" in new format <http://geosiberia.ssga.ru>

Interdisciplinary Conference on Digital Cultural Heritage

St. Dié, France, July 2-4

<http://intercarto18.net/>

Third Open Source GIS Summer School,

July 9-13th, 2012

Girona, Spain

Sponsored by The GIS and Remote Sensing Centre (University of Girona, Spain),

Nottingham Geospatial Institute (University of Nottingham, UK) and OpenGeo

<http://www.sigte.udg.edu/summerschool2012/>

Mountain Cartography Workshop

1 and 5 September 2012

New Zealand near Taurewa,.

The theme of the Workshop is Mapping Mountain Dynamics

[cfp](#), [New Zealand](#), [workshop](#)

The Graphical Web& SVG Open 2012 Conference The Graphical Web and SVG Open 2012 conference takes place from

September 11 to 14 2012 at ETH Zurich (Hoenggerberg campus), Zurich, Switzerland.

<http://www.graphicalweb.org/>

International Conference on National Atlases in the Formation of the Global Information Space

Kiev, Ukraine, September 13-14
http://www.ignau.org.ua/conference_eng.htm

19th AutoCarto 2012: International Symposium on Automated Cartography

Columbus, Ohio, USA, September 16-18
<http://www.cartogis.org/autocarto.php>

GeoVisual Analytics: Time to Focus on Time - Workshop at the GIScience 2012 Conference

Columbus, Ohio, USA, September 18
[http://geoanalytics.net/GeoVA\(t\)2012/](http://geoanalytics.net/GeoVA(t)2012/)

CfP: LBS 2012 in Munich

9th International Symposium on Location-Based Services,
October 16 to 18, 2012.
Munich, Germany,
<http://www.lbs2012.tum.de/>

OGRS2012 Open Source Geospatial Research and Education Symposium

October 24 – 26, 2012
Yverdon-les-Bains, Switzerland
Hosted by School of Business and Engineering Vaud (HEIG-VD)
Website: <http://www.ogrs2012.org>

The 23rd International CODATA Conference-

Open Data and Information for a Changing Planet
Taipei 28th-31st October 2012.
<http://www.codata2012.com/>

The influence of SOA on Map Production and GeoBusiness

November, 19th to 23th 2012 in Vienna,
Austria.
http://www.cartography.at/icamaproductio/?Upcoming_Events

SOMAP 2012, the Symposium on Service-Oriented Mapping

Vienna from November 22-23, 2012.
The ICA Commission on Map Production and Geobusiness and our host, the Austrian Federal Office for Metrology and Surveying, is pleased to invite You to the International Symposium on Service-Oriented Mapping in Vienna from November 22nd to 23rd 2012.
<http://somap.cartography.at>

9th International Conference of the African Association of Remote Sensing of the Environment (AARSE) – AARSE 2012

On
Earth Observation & Geo-information Sciences for Environment and Development in Africa:
Global Vision and Local Action Synergy

The conference will be held in El Jadida, Morocco, at the Faculty of Science, Chouaib Douakkali University from October 29 to November 2, 2012
www.aarse2012.org

MIWAI 2012

December 26-28, 2012

The 6th Multi-Disciplinary International Workshop on Artificial Intelligence (MIWAI 2012)
Ho Chi Minh City, Vietnam,.

The MIWAI-2012 invites papers on advances in AI techniques and related fields, e.g., GIS, neural networks, decision trees, genetic algorithms, fuzzy logic, etc., for climate change.

<http://www.hcmuaf.edu.vn/>

NOTE: If you are involved in a workshop, symposium or conference related to cartography please send me brief details for the newsletter.
