



Commission on Education and Training

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

March 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.

Quotes

“What a cartographer does mapping out a place is what a musician does mapping out an emotion.” (Geographer's Mike Deni)

New Members of the Commission

Let me introduce three new members of the Commission on Education and Training. It is great that they have joined us and we look forward to them bringing new ideas to the commission from their countries perspective. More details about our members can be found on the website.

Viet Nam - Dr NGUYEN Kim Loi



Director of Research Center for Climate Change (RCCC)
Associate Dean for Research and International Relations
Faculty of Environment and Natural Resources
Head, Department of Applied Geomatics
Nong Lam University, Ho Chi Minh City, **VIETNAM**

Australia – Ms. Trisha MORIARTY

[no photograph]
Geoscience Knowledge Management
Geological Survey NSW | Resources and Energy Division
NSW Trade & Investment

Mexico – Mr. Luis Gerardo ESPARZA

[no photograph]

Director of Technological Development

National Institute of Statistics and Geography (INEGI)

Loi, Trisha and Luis, we welcome you to the commission.

New Events

GeoCart'2012

The sixth National Cartographic Conference GeoCart'2012 and the second ICA Regional Symposium on Cartography for Australasia and Oceania will convene in Auckland, 29-31 August 2012. It will be held at the outstanding facilities of The University of Auckland in the City of Sails - Auckland, New Zealand.

The Conference is endorsed by the International Cartographic Association (ICA).

Keynote Speakers include:

- Aileen Buckley, ESRI, USA
- David Fairbairn, Newcastle University, United Kingdom
- Tom Patterson, US National Park Service, USA
- Roger Smith, Geographx (NZ) Ltd, New Zealand

Special Presentation by

- Georg Gartner, President of the ICA, Austria

8th Mountain Cartography Workshop

The ICA Commission on Mountain Cartography and the New Zealand Cartographic Society are pleased to announce the 8th Mountain Cartography Workshop.

It will be held at The Sir Edmund Hillary Outdoor Pursuit Centre near Taurewa, adjacent to the Tongariro National Park, at the centre of New Zealand's North Island, between 1-5 September 2012 (immediately after GeoCart'2012).

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.

Go to link:> <<http://www.hcmuaf.edu.vn/>>

The 23rd International CODATA Conference- *Open Data and Information for a Changing Planet*

Taipei 28th-31st October 2012.

For more information on the Conference, including:

Call for Abstracts,
Call for Sessions,
Call for CODATA Prize Nominees

Go to link:> <http://www.codata2012.com/>

Cartographic Employment

Chief Cartographer vacancy with the Ordnance Survey



Chief Cartographer **£43–£51k, Southampton**

This is your chance to lead a specialist team in maintaining and developing the world-class standard of cartography for which Ordnance Survey is internationally recognised and to champion the importance of cartography on behalf of Ordnance Survey globally. As part of this high profile and prestigious role you will be responsible for all of the cartographic style that creates Ordnance Survey's world renowned mapping data, which is relied on by government, businesses and individuals across Great Britain.

Go to link:> [Continue reading](#) →

Geographic Information Systems(GIS) Programmer/Analyst

Job Type Full-time **Job Status** Sourcing **ID** 5220 **Date Posted** 02/28/2012

Company Information Greeley, Colorado

Greeley, CO

Website: <http://greeleygov.com/HR/default.aspx>

Job Description This position is open until filled however received applications will be reviewed after March 7, 2012.

Within the IT Division under the direction of the GIS Manager, the GIS Programmer/Analyst will perform advanced levels of GIS analysis, development, and management in associated with the City's Enterprise GIS Program. Responsibilities include: high level ArcGIS skills in analysis, map production, GPS data collection, technical troubleshooting. Must stay up to date with GIS industry developments, work with team to determine the City's response to changes and opportunities. Writes program code to move the city out of VBA applications, into VB.NET or C# in anticipation of the release of ArcGIS10.1. Programming in FLEX and FlashBuilder to maintain current City GIS websites, and develop new GIS websites. Learning

HTML5 to move City websites to the next generation of development language. Using Esri's Model Builder. Administration of ArcSDE SQLserver databases, including permissions. Administration of ArcServer, building services and caches for vector and raster data. Project management tasks for developing and implementing new GIS applications. Customer support of GIS users via phone, remote login, and in person. Works in team environment and individually. Must have top notch customer service, organizational, computer technology, fast learning, and self starting skills. **Qualifications** REQUIRED EXPERIENCE/SKILLS:

- Bachelors degree is required in GIS, Planning, Geography or closely related field. Or equivalent combination of education and experience.
- 3 years of experience with Esri's ArcGIS suite of software with demonstrated skills in ArcObjects, ArcGIS Server, ArcSDE, Python, geostatistical analysis and QA/QC techniques.
- 1 year of strong object-oriented development experience with in at least one of the following languages: C, .NET (C# or VB.NET), Adobe Flex or FlashBuilder, Java, Visual Basic. Flex development experience is preferred.
- 2 years of project management experience regarding application development.
- ESRI-related Programming development with at least two of the following;
 - ArcGIS Desktop Extension Development
 - ArcEngine
 - ArcGIS Server
 - ArcSDE
- Experience with Visual Basic for Applications using ESRI's Component Object Model (COM) i.e., ArcObjects, Active Server Pages(ASP), Visual Basic, SQL, ODBC connections, IBM Informix, Python, and batch files.
- Experience with ArcGIS Server REST services administration highly desirable.
- Experience with ArcPad, ArcPad Application Builder, GPS equipment, and mobile technologies.
- Experience with graphic platforms such as Adobe Illustrator, Adobe Photoshop and/or equivalent.
- Knowledge of computer systems, procedures, analysis and design as well as system uses, capabilities, characteristics, and limitations.
- Experience with computer system peripheral devices, such as printer, plotters, and scanners.
- Microsoft Office tools under Windows NT/2007/XP platforms, including Microsoft Project and Microsoft Visio.
- Skill sets to include problem solving, database design, program languages, compilers, apply abstract thinking to programming.
- Interest in new technologies and web 2.0 potential.
- Excellent oral and written communication skills.
- Excellent interpersonal skills and the ability to work and learn independently.
- Strong graphic design and/or cartographic abilities.
- Strong analytical abilities with high degree of technical competence in analysis, design, and programming.
- Thorough working knowledge and understanding of cartographic rules and principles, including data sources, data projections, and data integration.
- Current driver's license with good driving record.

Go to link:>

http://www.gisuser.com/component/option,com_jobline/task,view/Itemid,132/id,5220/

Chair in Geospatial Engineering / Geospatial Science

Faculty of Engineering

Salary is negotiable depending on skills and experience will be within the professorial range, minimum £55,908 per annum

The University of Nottingham seeks to appoint an exceptional, internationally recognised researcher to join a world class university as a professor in a field of either Geospatial Engineering or Geospatial Science. The successful candidate will provide leadership, vision and drive, bring an impressive network of links with academia and industry, nationally and internationally, and have proven ability in identifying and promoting key research areas.

Ideally, the successful candidate will have a strong background in Geospatial Engineering/Science research with the potential ability to develop a research team and will have proven ability to attract research funding from Research Councils, industry, the EU and other funding sources, with strong interpersonal skills and credibility with both fellow academics and industry.

The person appointed will also have a passion for teaching at all levels and will be prepared to develop new, innovative taught MSc programmes at the University.

In return we offer a progressive environment in a global institution. The research will be based within the Nottingham Geospatial Institute (NGI) within the Division of Infrastructure and Geomatics of the Faculty of Engineering. Undergraduate and Postgraduate teaching activity takes place within the Department of Civil Engineering of the same Faculty and within the School of Geography. NGI is a major international centre for research into Geospatial Engineering and Geospatial Science, with a reputation for excellence across a broad range of research and technology-based activities (see www.nottingham.ac.uk/iessg). It has an impressive research portfolio, funded by government, industry and the EU, and includes several significant national and international collaborations. The NGI was formed in 2011 from the combination of two well established and successful groups, the Institute of Engineering Surveying and Space Geodesy and the Centre for Geospatial Science.

The University of Nottingham's position as a world-class University is confirmed by its ranking in the global league tables. We are ranked in the UK top 10, the European top 30 and in the top 1 per cent of all universities worldwide in the [QS World University Rankings](#), with a ranking of 74th in the world. The Faculty of Engineering is one of the strongest faculties at Nottingham. The [Research Assessment Exercise 2008](#) confirmed our status as a world-class institution carrying out research of international quality, and places Nottingham in the UK's top five universities for engineering.

Applications from all highly qualified candidates are welcome including those applying internationally.

Informal enquiries may be addressed to Professor Terry Moore, Email: terry.moore@nottingham.ac.uk. Please note that applications sent directly to this email address will not be accepted.

For more details and/or to apply on-line please access:

<http://www.nottingham.ac.uk/Jobs/CurrentVacancies/ref/JK07184>. If you are unable to apply on-line please contact the Human Resources Department, tel: 0115 846 6172. **Please quote ref. JK07184. Closing date: 10 April 2012.**

For all our vacancies and more about working at the University of Nottingham see: <http://jobs.nottingham.ac.uk/>

Go to link:> <http://www.jobs.ac.uk/job/AEA730/chair-in-geospatial-engineering-geospatial-science/>

The Language Map

If you are interested in language and its roots then have a look at the complete 'map' of languages emanating from the Proto-Indo-European (PIE) hub.

The Proto-Indo-European Language Tree



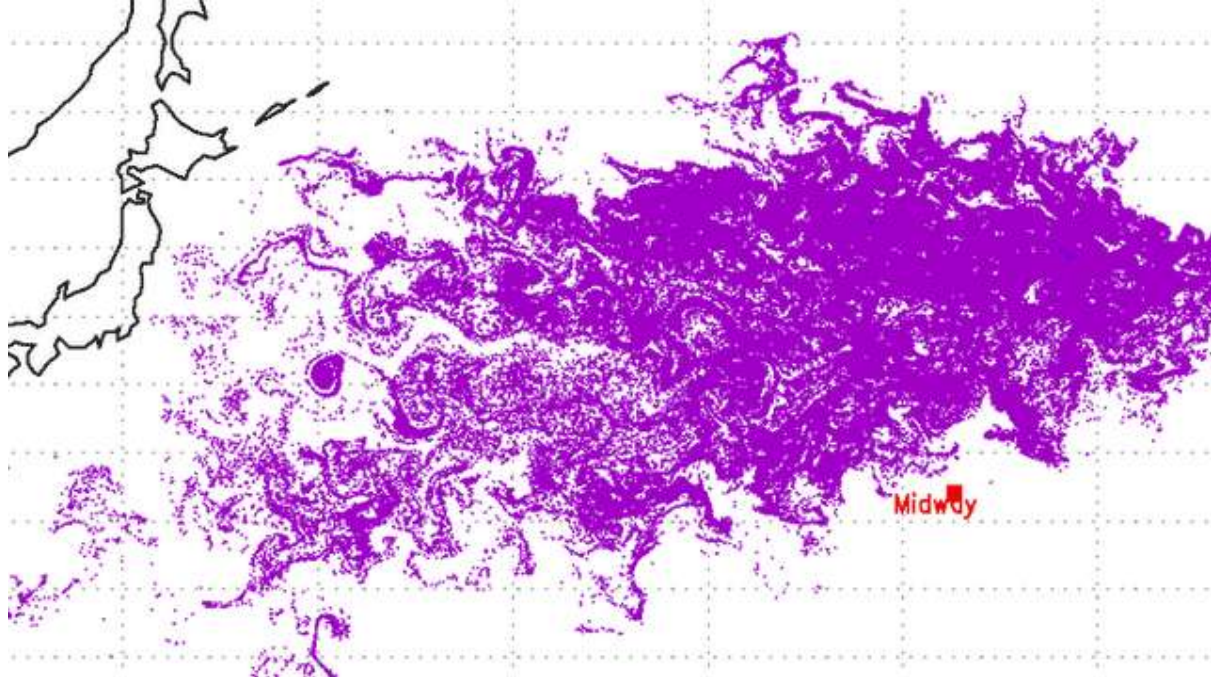
InterSol, Inc.

Go to link:> http://www.intersolinc.com/newsletters/Language_Tree.htm

Cartography in the media

Path of tsunami debris mapped out

By Jonathan Amos Science correspondent, BBC News, Salt Lake City
22 February 2012 Last updated at 10:38 GMT



Animation of how the Japanese tsunami debris field has spread since March 2011. Courtesy of the International Pacific Research Center.

Almost a year after the Japanese Tohoku earthquake and mega-tsunami, the Pacific Ocean is still dealing with the consequences of the catastrophe.

A mass of debris was washed out to sea as floodwaters receded from the land, and some of that wreckage continues to float around the ocean.

Most of it headed eastwards, according to modelling work by the Hawaii-based International Pacific Research Center.

Go to link: > <http://www.bbc.co.uk/news/science-environment-17122155>

(Thanks to Robyn McCutcheon for this link)

Google charts a careful course through Asia's maps

By Jeremy Wagstaff, Asia Technology Correspondent
March 23 | Fri Mar 23, 2012 5:34am EDT
(Reuters) -

Google rushed out its panoramic Street View maps in [Thailand](#) on Friday as part of the country's efforts to show tourist hot spots have recovered from last year's floods.

But it also marked something of a change of fortunes for Google itself, which has weathered several storms in Asia over its mapping products.

Google rolled out 360-degree images of the streets of Bangkok, the resort island of Phuket and the northern city of Chiang Mai. Street View allows users to click through a seamless view of streets via the company's Google Maps website.

Go to link:> <http://www.reuters.com/article/2012/03/23/google-asia-idUSL3E8EN2DX20120323>

Gigantic Antarctic crack mapped for the first time

March 1, 2012 - 11:03AM

In a scene straight out of a science-fiction disaster movie, space agency NASA has revealed what a vast crack across Antarctica looks like up close.

The 2004 disaster movie *The Day After Tomorrow* opened with a the Antarctic iceshelf cracking before extreme global weather, and now NASA has it live and on YouTube.

In October 2011, researchers flying in NASA's Operation IceBridge campaign made the first detailed, airborne measurements of a major iceberg calving event while it was in progress.



A section of the massive crack in an Antarctic glacier - which measures 250m at its widest point - that has been mapped by NASA. *Photo: NASA*

By February, IceBridge's team had mapped the crack in Antarctica's Pine Island Glacier in a way that allowed glaciologists to fly through the icy canyon.

The animation was created by draping aerial photographs from the Digital Mapping System - a still camera with very precise geolocation ability - over data from the Airborne Topographic Mapper, a scanning laser altimeter that measures changes in the surface elevation of the ice.

Both instruments were flown on NASA's DC-8 research aircraft and the data was collected on October 26 last year.

Go to link:> <http://www.smh.com.au/environment/climate-change/gigantic-antarctic-crack-mapped-for-the-first-time-20120301-1u4bt.html#ixzz1npkrkzv4>

Taking to the skies to map out Notts with thousands of photos

Wednesday, February 29, 2012



Mammoth task: Dr Vanessa Lawrence of Ordnance Survey.

Ordnance Survey has moved its flying unit to the Nottinghamshire airport and they'll be based there for the next three years.

This year alone it will cover around 40,000 square kilometres and take more than 50,000 images.

The government agency makes an average of 5,000 changes to the master map of Great Britain every day and covers every centimetre from Land's End to John O'Groats.

This summer Ordnance Survey will make changes to its maps of Nottinghamshire.

Go to link:> <http://www.bbc.co.uk/news/uk-england-17182526>

Even the Great Barrier Reef Isn't Safe from Google Maps

Where: [Australia](#)

February 27, 2012 at 2:30 PM | by [Omri](#)



With the help of the University of Queensland Global Change Institute and the conservation group Underwater Earth, [Google has added](#) the Great Barrier Reef to both [Google Earth](#) and Google Maps. The ongoing project will end up "mapping" the reef as far down as 100 meters, adding up to some 50,000 panoramic images. Popular working title: "**Google SeaView.**"

In the long-term it will be scientists who benefit most from the images.

Go to link:>

<http://www.jaunted.com/story/2012/2/27/125054/046/travel/Even+the+Great+Barrier+Reef+Isn%27t+Safe+from+Google+Maps>

Google's dominance in mapping comes under assault

QUENTIN HARDY

March 21, 2012

SAN FRANCISCO:



The new, non-Google mapping feature in Apple's iPhoto app.

When it comes to offering online maps to their users, some companies have been leaving Google Maps and setting out for less familiar territory.

In the seven years since it was introduced, Google's offering of street maps, satellite photos and street-level views has become the dominant player in the world of online mapping, displacing earlier entrants like AOL's MapQuest.

According to comScore, 71 per cent of the 91.7 million people in the United States who looked at maps online in February used Google Maps. In Australia, Google has a similarly dominant market position.

Go to link: > <http://www.brisbanetimes.com.au/technology/technology-news/googles-dominance-in-mapping-comes-under-assault-20120320-1vhql.html#ixzz1pw8uUXoS>

10 places you're not allowed to see on Google Maps

Samantha Murphy
March 21, 2012 - 2:22PM



Want an up close view of the Eiffel Tower but can't make it to Paris anytime soon? [Google Maps](#) is optimal for virtual sightseeing. But not every landmark is visible on the site — some images are blurred and distorted by countries for security reasons.

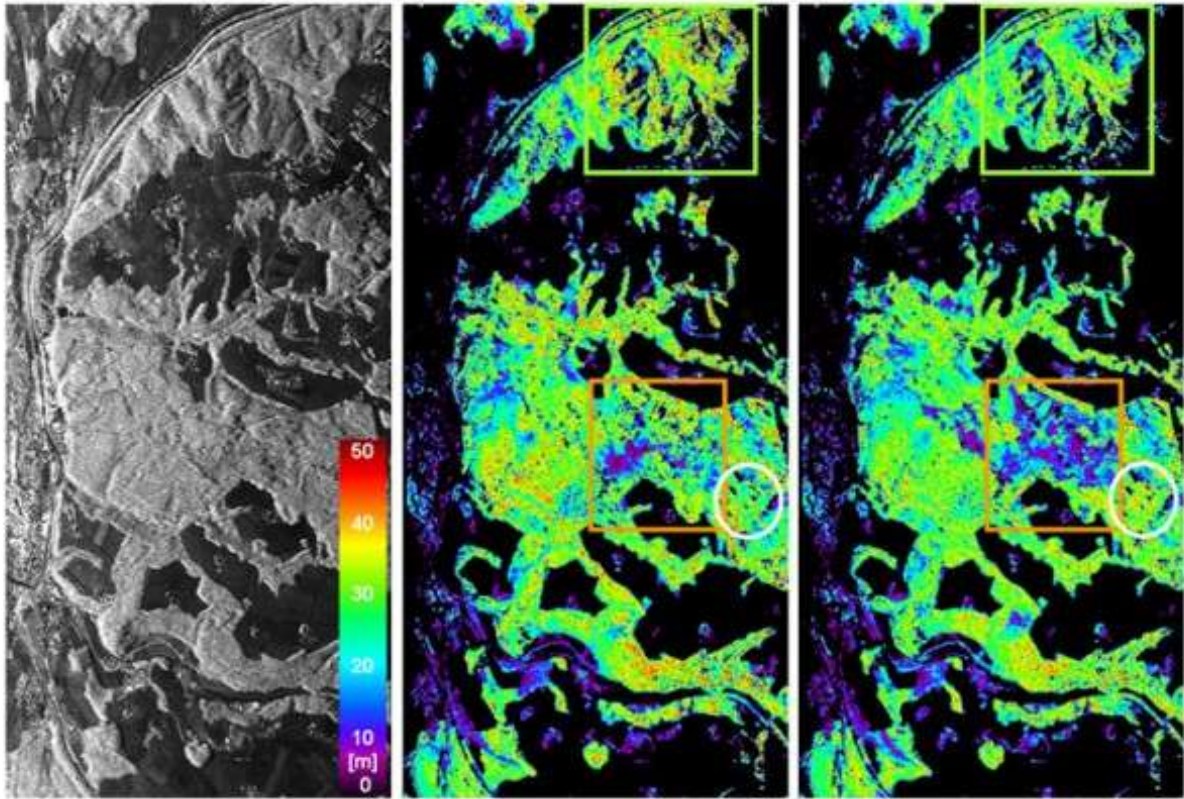
Blurred is the Royal Palace in the Netherlands and even a power plant on Cornell University's campus in Ithaca, New York.

“The satellite and aerial imagery in Google Earth and Google Maps is sourced from a wide range of both commercial and public sources,” Google spokesperson Deanna Yick tells Mashable. “These third-party providers are required to follow the law of the countries in which they operate, so some of them may blur images and then supply us with those images.”

Go to link: > <http://www.theage.com.au/technology/technology-news/10-places-youre-not-allowed-to-see-on-google-maps-20120321-1vitr.html#ixzz1pnCHIQQ1>

Satellites Map Earth's Vital Resources

March 23, 2012



Recent studies show that satellite radar data can be exploited to map forest height, 3D forest structure and their natural or anthropogenic disturbance with high spatial resolution and accuracy.

Since forests assist in removing carbon dioxide from the atmosphere, this could prove to be an important tool for assessing carbon stocks and monitoring our planet's resources.

Polarimetric InSAR – or Pol-InSAR – is a remote sensing technique based on polarimetric information in Synthetic Aperture Radar (SAR) images.

Go to link:> <http://www.redorbit.com/news/space/1112499618/satellites-map-earth%E2%80%99s-vital-resources/>

New Map of Jupiter's Volcanic Moon Io is Best One Ever

SPACE.com Staff

Date: 21 March 2012 Time: 11:52 AM ET



This first-ever complete map of Jupiter's volcanic moon Io released on March 19, 2012, was created using data and images from NASA's Galileo spacecraft, (which studied Jupiter and its moons between 1995 and 2003) and the Voyager mission in 1979. Color views from Galileo were superimposed on higher-resolution monochrome images.

CREDIT: USGS

Go to link:> <http://www.livescience.com/19201-jupiter-moon-io-global-map-photos.html>

RTPI launches Map for England debate

22/03/2012 14:44:41

The Royal Town Planning Institute (RTPI), which represents 23,000 planning professionals, has today launched a debate on the benefits of having a Map for England to plan [infrastructure](#) and services and to enable decision makers at the local level to make more informed policy choices.

New research commissioned by the RTPI from Manchester University shows that individual government departments now have more than 100 major maps for England relating to policies and programmes on the economy, transport, communications, housing and the environment. None are available in one place or through a single [data](#) source and can be very difficult to find as they are scattered across web sites and within departmental reports.

Go to link:> http://www.farminguk.com/news/RTPI-launches-Map-for-England-debate_23187.html

Google Maps Debuts Detailed 3D Landmarks

By [Daniel Ionescu, PCWorld](#) Mar 21, 2012 6:14 AM

The 3D representations of buildings in Google Maps have been enhanced, with more than 1,000 landmarks across the world available to check out in detailed imagery. The new renderings look more like the real buildings with shadows and smoother curves, but they're available just in Google Maps online for now.

Some of the notable improved sites include the Piazza del Duomo in Florence, Italy, the [Burj Khaifa in Dubai](#), the [Sydney Opera House](#) in Australia, [the White House](#), and the [Petronas Towers](#) in Kuala Lumpur, Malaysia.



Go to link:>

http://www.pcworld.com/article/252270/google_maps_debuts_detailed_3d_landmarks.html

Crowds create Wikipedia-style maps of the world

By MARCUS WOHLSEN, Associated Press
SAN FRANCISCO

When Benjamin Gleitzman moved from New York to the San Francisco Bay area, he used a talking turn-by-turn driving app to guide him across the country. In the middle of Wyoming, the voice told him to turn left where there was no road.

Rather than complain to the maker of the app, called Waze, he logged in and made a note for anyone else who happened to drive that way that the road wasn't there. It was a small gesture of consideration to his fellow travelers.



But such niceties have started to add up. Taking a page from Wikipedia, services like Waze have marshalled armies of unpaid contributors and their GPS-equipped smartphones to map wide swaths of the world from scratch. Consumers, companies and even disaster relief organizations have come to rely increasingly on such "crowdsourced" maps and their key advantage: When the landscape changes, so can the map.

Go to link:> <http://www.wral.com/news/technology/story/10875285/>

Interactive Tsunami Evacuation Maps Now Available for the Pacific Northwest

* NORTHWEST ASSOCIATION OF NETWORKED OCEAN OBSERVING SYSTEMS *
* OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES *
* WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES *

March 20, 2012

Interactive maps of tsunami evacuation zones in both Oregon and Washington are now available online and as a smartphone app (*TsunamiEvac-NW*).

The Pacific Northwest Tsunami Evacuation Zones' online portal and smartphone app provide an at-a-glance view of tsunami hazard zones along the coasts of Oregon and Washington. This tool was developed by the Northwest Association of Networked Ocean Observing Systems (NANOOS) program. The online portal can be found on the web at: <http://nvs.nanoos.org/tsunami> . The maps have also been integrated into a free smartphone app, *TsunamiEvac-NW*, which allows users to see whether they are in a tsunami evacuation zone, and plan their own evacuation routes. This free app is available from the iTunes App Store and Android Market:

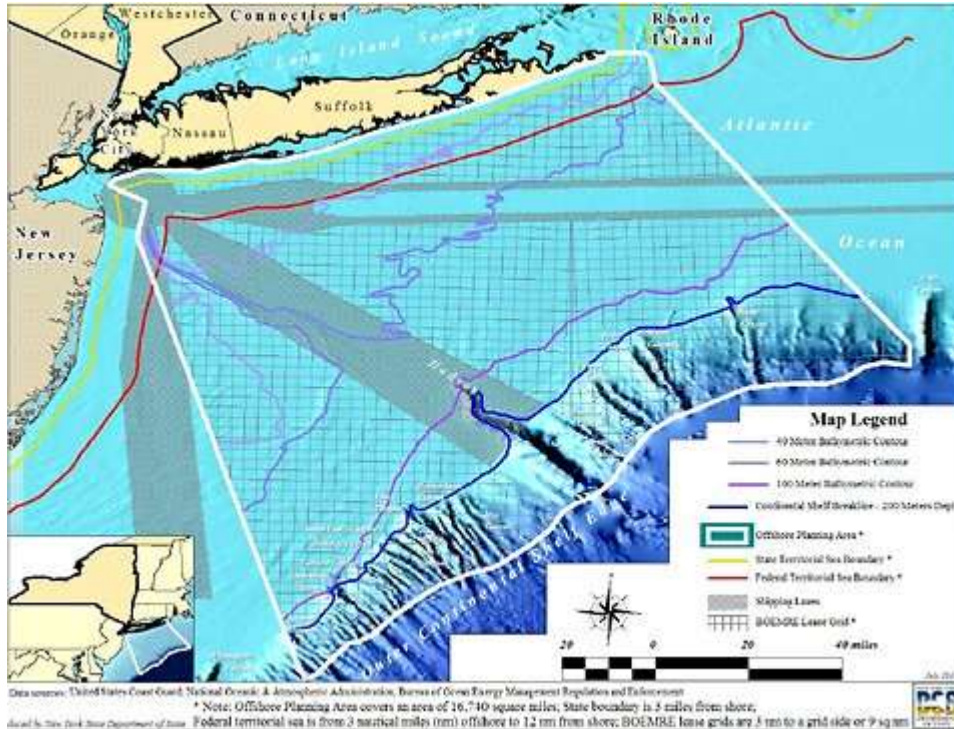
- iPhone: <http://itunes.apple.com/us/app/tsunamievac-nw/id478984841?mt=8>
- Android: <https://play.google.com/store/apps/details?id=org.nanoos.tsunami&hl=en>

Go to link:>

http://www.dnr.wa.gov/ResearchScience/News/Pages/2012_03_20_tsunami_maps_nr.aspx

New York Maps Viable Offshore Wind Power

By [MIREYA NAVARRO](#)
March 20, 2012, 1:00 pm



The waters off New York State where wind farms are being contemplated.



A [new study](#) mapping out habitats in and around the waters off New York was released on Tuesday, bringing the state a step closer to determining the potential for wind energy projects offshore.

The study is the product of a two-year joint effort by New York's [Department of State](#) and the [National Oceanic and Atmospheric Administration](#) to identify critical bird and fish habitats to ensure that they are not harmed by future wind farms. Environmental groups say the prescreening will help save time and red tape and could attract developers and investors to wind projects by removing uncertainties about the environmental impacts at a given site.

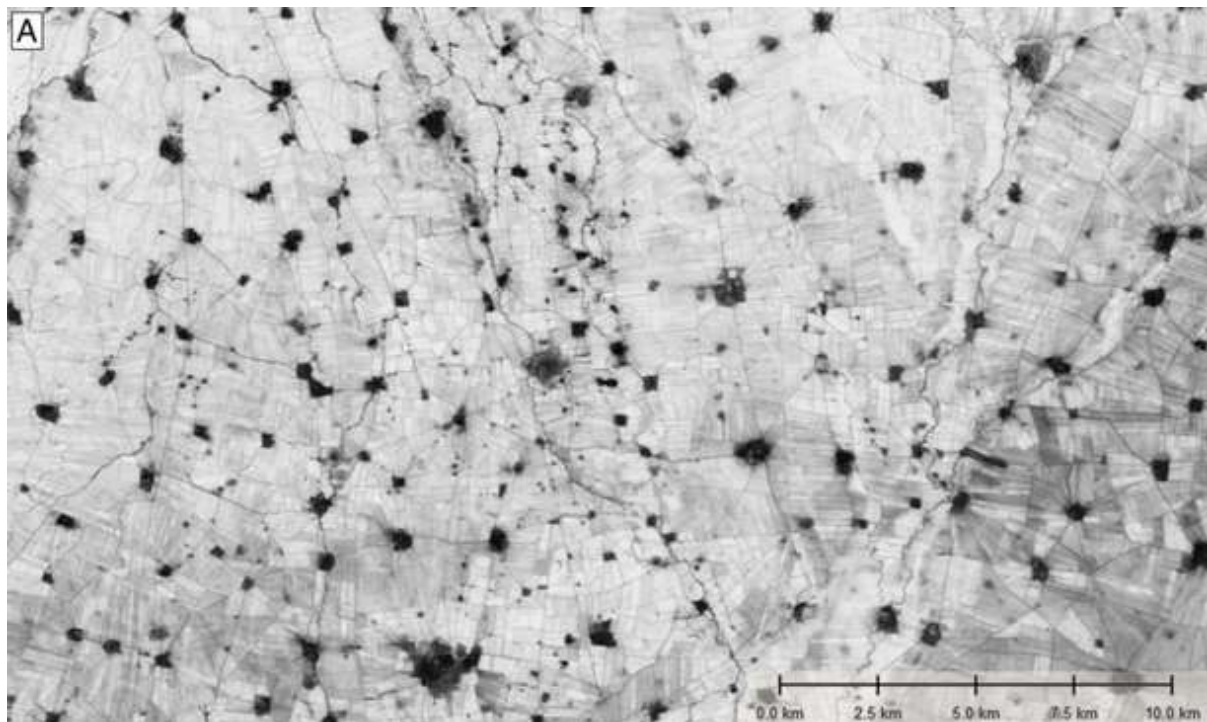
Go to link: > <http://green.blogs.nytimes.com/2012/03/20/for-new-york-a-map-of-viable-offshore-wind-power/>

Eyes in the Sky Look Back in Time

Charles Q. Choi is a science journalist who has also written for Scientific American, The New York Times, Wired, Science, and Nature. In his spare time, he has ventured to all seven continents.

The Fertile Crescent in the Near East was long known as “the cradle of civilization,” and at its heart lies Mesopotamia, home to the earliest known cities, such as Ur. Now satellite images are helping uncover the history of human settlements in this storied area between the Tigris and Euphrates rivers, the latest example of how two very modern technologies—sophisticated computing and images of Earth taken from space—are helping shed light on long-extinct species and the earliest complex human societies.

In [a study](#) published this week in *PNAS*, the fortuitously named Harvard archaeologist Jason Ur worked with Bjoern Menze at MIT to develop a computer algorithm that could detect types of soil known as anthrosols from satellite images. Anthrosols are created by long-term human activity, and are finer, lighter-colored and richer in organic material than surrounding soil. The algorithm was trained on what anthrosols from known sites look like based on the patterns of light they reflect, giving the software the chance to spot anthrosols in as-yet unknown sites.



This map shows Ur and Menze’s analysis of anthrosol probability for part of Mesopotamia.

Armed with this method to detect ancient human habitation from space, researchers analyzed a 23,000-square-kilometer area of northeastern Syria and mapped more than 14,000 sites spanning 8,000 years.

Go to link: > <http://blogs.discovermagazine.com/crux/2012/03/22/eyes-in-the-sky-look-back-in-time/>

Full Titanic wreck site is mapped for 1st time

CLARKE CANFIELD

March 9, 2012

Researchers have pieced together what's believed to be the first comprehensive map of the entire 3-by-5-mile Titanic debris field and hope it will provide new clues about what exactly happened the night 100 years ago when the superliner hit an iceberg, plunged to the bottom of the North Atlantic and became a legend.

Marks on the muddy ocean bottom suggest, for instance, that the stern rotated like a helicopter blade as the ship sank, rather than plunging straight down, researchers told The Associated Press this week.

An expedition team used sonar imaging and more than 100,000 photos taken from underwater robots to create the map, which shows where hundreds of objects and pieces of the presumed-unsinkable vessel landed after striking an iceberg, killing more than 1,500 people.

Go to link:> <http://news.smh.com.au/breaking-news-technology/full-titanic-wreck-site-is-mapped-for-1st-time-20120309-1unx0.html>

Paper Maps

Old Maps Online



The OldMapsOnline Portal is an easy-to-use gateway to historical maps in libraries around the world.

It allows the user to search for online digital historical maps across numerous different collections via a geographical search. Search by typing a place-name or by clicking in the map window, and narrow by date. The search results provide a direct link to the map image on the website of the host institution.

Go to link:> <http://www.oldmapsonline.org/>

Thanks to Laszlo for this item

Restored map reveals early Arabian trade links with China

[Daniel Bardsley](#)
Mar 2, 2012

With Beijing's claims to the South China Sea never far from the headlines thanks to the assertiveness of modern China, a recently restored map offers some welcome historical perspective on the oceans in East and South East Asia.



Unearthed nearly four years ago in a fragile and discoloured state, the Selden Map of China was bequeathed to England's University of Oxford in 1659 after the death of John Selden, a London lawyer and linguist.

It shows sea routes fanning out from Quanzhou in Fujian province in south-east China, a city that attracted a mention in Marco Polo's account of his travels, and which still contains reminders of its Muslim-influenced past. Indeed, while it remains unclear exactly who produced the map, one possibility is that a member of Quanzhou's sinicised community of Islamic merchants was responsible. Such is the interest in the map's origins now, that Timothy Brook, a professor at the University of British Columbia and author of several books about Chinese history, is currently writing a volume titled *Who Drew the Selden Map?*

"Rather than showing China from within, it sees China from without. In particular, it sees it from the water, which is not the perspective that Chinese themselves have taken when looking at their country," says Brook.

Go to link:> <http://www.thenational.ae/lifestyle/restored-map-reveals-early-arabian-trade-links-with-china>

Paper road maps still play role in digital age

by thomas leskin (staff writer tleskin@republicanherald.com)
Published: February 28, 2012

In spite of GPS in nearly every mobile phone and multiple online map options, AAA members still want paper maps.

"It (online maps) has slowed down business," Kathy Kramer Miller, auto travel manager at AAA in Pottsville, said Monday of paper road maps. "A lot of the GPS people come in though just to get more maps for backup."

Miller said between the Pottsville office at 340 S. Centre St. and the 202 E. Broad St. office in Tamaqua, the automobile association gives out about 20,000 paper maps free to members in a year, which are all updated annually. The travel season is from mid-March to mid-October.

Most of the maps AAA stocks are sheet maps for different states and regions, but Miller said they also have United States, European and world maps.

Go to link:> <http://republicanherald.com/news/paper-road-maps-still-play-role-in-digital-age-1.1278157>

BUSINESS CARTOGRAPHY

Political risk prospects improving in key emerging markets for global energy sector

Announcement / Corporate Feb 23, 2012, 22:50 IST

Despite an unequalled period of geo-political turmoil, many economies are now presenting increased growth opportunities for global energy companies due to decreases in political risk and improvements in their legal and regulatory environment.

The 2012 Political Risk Map released on Tuesday by risk analysis and mapping company Maplecroft, in conjunction with Marsh's Global Political Risk and Structured Credit Practice, shows growing economies with an improving climate for business investment in natural resources. These economies include Brazil, Bolivia, Chile, Colombia, India, Indonesia, Mexico, Peru, Russia, Thailand, Turkey and Uruguay. There are also less developed, more high risk countries like DR Congo, Mongolia and Myanmar that are showing evidence of improvements in the legal and regulatory business environment and may offer exciting investment opportunities for energy companies.



The map's findings, designed to enable organisations to gain a greater understanding of how global risks may affect investment opportunities, were launched by Maplecroft CEO, Professor Alyson Warhurst at the recent Marsh 2012 National Oil Companies (NOC) conference in Dubai.

Go to link: > http://www.insurancelatam.com/website/wp-content/uploads/2012/02/Map_Poster_MARSH_2012_V610.jpg

The Cartographer – A novel

The Cartographer
 Patricia Maunder
 February 12, 2012



Author Peter Twohig.

Superficially, Peter Twohig's debut novel is a boy's own adventure inspired by the pre-teen narrator's beloved superhero comics and detective stories. The voice of this boy, whose name is never revealed, is wonderfully jaunty: a child's earnest storytelling style mixed with wise-guy slang, drawn from both his fictional influences and life in working-class, 1950s Richmond.

Yet for all the boy's imaginings about having superpowers and 'splorin' overgrown gardens and underground tunnels, *The Cartographer* is really about a child on the cusp of adolescence trying to establish his identity in a challenging adult world of crime and family dysfunction.

Go to link:> <http://www.brisbanetimes.com.au/entertainment/books/the-cartographer-20120211-1sy96.html#ixzz1nNbZKbrK>

Mapping and learning from the past

Dinosaur forests mapped

[February 28, 2012](#) By Adele Rackley

The new maps show that the Earth was covered by bizarre monkey-puzzle trees.

The first detailed maps of the Earth's forests at the time of the dinosaurs have been drawn up. The patterns of vegetation, together with information about the rate of tree growth, support the idea that the Earth was stifling hot 100 million years ago.



Scientists at Royal Holloway, University of London, plotted the maps after creating a database of more than two thousand fossilised [forest](#) sites from the [Cretaceous period](#), when [dinosaurs](#) were at their peak.

"Our research shows that weird monkey puzzle forests covered most of the planet, especially in the steamy tropics. At mid-latitudes there were dry cypress woodlands, and near the [North Pole](#) it was mostly pines," said Emiliano Peralta-Medina, who led the study. At that time the humid tropics extended over a wider area than now, and temperate climates – like the UK's – reached much closer to the poles, which had more tree cover than ice.

Go to link:> <http://www.physorg.com/news/2012-02-dinosaur-forests.html>

Smart Phone Mapping Apps

Yes! Download That Airline App



NOW that half of all travellers carry smartphones, airlines are rolling out apps that allow these devices to take care of most of the tasks agents used to handle. While many travel apps specialize in things like tracking a flight ([FlightStats](#)) or guiding travellers through airports ([GateGuru](#)), the airline apps aim to do it all: from checking in to flight status updates and baggage tracking. [American](#) and [Delta](#) offer apps for the broadest range of devices: the [iPhone](#), BlackBerry, Android and Windows phones. [Southwest](#) has apps for all of them except Windows, and [United](#) and [Continental](#) offer apps for iPhones and Androids. [JetBlue](#) released its first iPhone app on Feb. 6. Separate apps are in the works for the [iPad](#) and other tablets. Depending on the function, some apps are better than others, but all are free, and most travellers will find them to be useful tools, particularly on the day of travel. Here are a few of the ways you can use airline apps.

TRACKING A FLIGHT One of the most useful features the airlines apps offer is a way to track flights

MONITORING YOUR LUGGAGE Delta is ahead of the pack in offering a novel feature on its app: the ability to track your checked bag

NAVIGATING THE AIRPORT Another useful feature airline apps offer is airport maps

Go to link:> <http://travel.nytimes.com/2012/03/04/travel/airline-apps-that-check-you-in-map-airports-and-follow-luggage.html>

What Is Nokia Maps? Explained in simple terms.

By Miles J Thomas on 29th February, 2012



[Nokia Maps](#) is a feature installed with all new Nokia phones, including all smartphones. The program is a mapping app, providing reliable navigation for all Nokia users. The Nokia Maps service is provided free of charge to users with a Nokia phone, and includes a broad range of countries in the default maps. [Nokia Maps](#) also features voice guiding as part of the program, which means the app can talk in over 40 different languages and provide directions for both pedestrians and road users in 74 different countries. The app provides maps for over 180 different countries over the world.

The smart guide to uni

Jen Rosenberg
February 27, 2012



A screenshot from the *Lost On Campus* app.

Can't tell the difference between the Footbridge Theatre and a lecture theatre?
A new app, [Lost On Campus](#), developed by a student navigates 27 university campuses with maps, photos, comments and handy hints.

The first few weeks of university can be isolating and overwhelming. So when University of NSW engineering student Nicholas Cellini gave himself a weekend project, it was to create something for smartphones and tablets that would help lost students find their way around.

.....
They built their own maps, without using the ubiquitous Google service, and sent more than 100 students from campuses around the country to seek out every nook and cranny – listing buildings, lecture theatres, coffee shops, services, toilets, and even "secret places".

Go to link:> <http://www.theage.com.au/technology/technology-news/the-smart-guide-to-uni-20120227-1ty8m.html#ixzz1nqEJIEbq>

Cartographers Offend People

From Negro Creek to Wop Draw, place names offend

February 28, 2012 3:15 PM
TRACIE CONE and FELICIA FONSECA, Associated Press
FRESNO •

Just east of Victorville two bluffs rise 3,000 feet from the valley floor. A 1949 map by the U.S. Geological Survey officially gave them the name locals had called them for as long as anyone could remember: Pickaninny Buttes.

The name, a pejorative term that represents a caricature of black children, was likely bestowed because African Americans attempted a settlement near the Lucerne Valley at the turn of the last century. Whatever the reason, it stuck — and still has the propensity to shock.

“Good grief,” moaned Leon Jenkins, president of the Los Angeles chapter of the NAACP, when told about the site. “That is just about as offensive as it gets because nowhere in the English language was that used other than to be a slur at little girls.”

Pickaninny Buttes is one of thousands of places across the United States still saddled with names that are an insight into our divisive past, when demeaning names given to areas settled by ethnic or racial minorities were recorded on official government maps and often stuck. Some — like Wop Draw in Wyoming; Jewtown, Ga.; Beaner Lake, Wash.; Wetback Tank reservoir in New Mexico and Polack Lake in Michigan — can sound rudely impolitic to the ears of a more inclusive society.

Go to link:> <http://www.vvdailypress.com/news/negro-33143-offend-creek.html>

Reality Check Cartography

Global Map of Devastating Childbirth Injury Launched

Direct Relief International, Fistula Foundation, and UNFPA Expand Awareness of Worldwide Fistula Treatment Capacity
Source: Direct Relief International

The largest and most comprehensive map of available services for women living with obstetric fistula was launched today by Direct Relief International, the Fistula Foundation, and UNFPA, the United Nations Population Fund.

The release of the Global Fistula Map, a major step forward in understanding the landscape of worldwide treatment capacity for obstetric fistula, will help streamline the allocation of resources and raise awareness of the condition.

Obstetric fistula, one of the most devastating childbirth injuries, is caused by the lack of a skilled birth attendant and access to emergency care during delivery. It is a highly stigmatizing, though in most cases treatable condition that results from prolonged, obstructed labor and causes chronic incontinence. According to currently accepted estimates, there are some 50,000–100,000 new cases every year.



Go to link:> <http://www.globalfistulamap.org/>

Mapping from Space

Galileo's Surveying Potential

March 1, 2012 By: [Ismael Colomina](#), [Christian Miranda](#), [M. Eulàlia Parés](#), [Marcus Andreotti](#), [Chris Hill](#), [Pedro F. da Silva](#), [João S. Silva](#), [Tiago Peres](#), [João F. Galera Monico](#), [Paulo O. Camargo](#), [Antonio Fernández](#), [José Maria Palomo](#), [João Moreira](#), [Gustavo Streiff](#), [Emerson Z. Granemann](#), [Carmen Aquilera](#)



New Galileo signals have great potential for pseudorange-based surveying and mapping in both optimal open-sky conditions and suboptimal under-canopy environments. This article reviews the main features of Galileo's E5 AltBOC and E1 CBOC signals, describes generation of realistic E5 and E1 pseudoranges with and without multipath sources, and presents anticipated horizontal positioning accuracy results, ranging from 4 centimeters (open-sky) to 14 centimeters (under-canopy) for E5/E1.

The history of GNSS surveying has been written in the carrier phase language — until now. The well known reason for this is the high precision, at the millimeter level, of the carrier phase observables and the low precision, at half a meter or worse, of the pseudorange observables. The progress and results of carrier-phase positioning are also well known and, today, surveyors can count on many effective ways for relative and absolute, static and kinematic, accurate positioning procedures like RTK, PPP and others. On the other hand, pseudorange observables have been used for various cadastral, GIS and mapping applications with meter and lower level accuracy requirements. The main advantages of pseudorange positioning are the simplicity and robustness of data processing. Moreover, the typical user of GNSS (pseudorange) mapping gear needs less GNSS education and training than the typical GNSS geodetic surveyor.

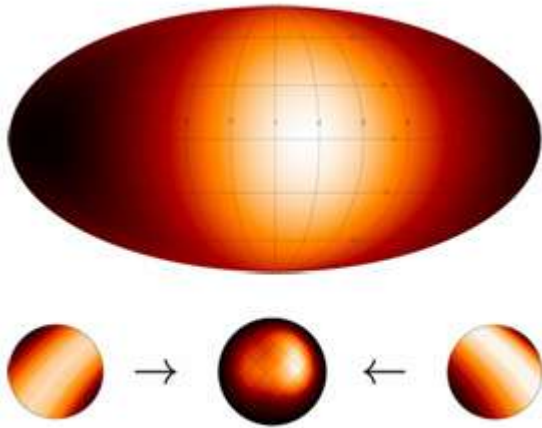
However, there are cadastral and mapping applications that require better accuracies than current pseudoranges provide and there are surveying applications that do not require the cm to dm level accuracies that carrier phases provide.

Go to link: > <http://www.gpsworld.com/survey/mapping/galileo-s-surveying-potential-12672>

Hell off Earth: Blustery Exoplanet Charted in 2-D for First Time

By [John Matson](#) | February 27, 2012 |

Astronomers have made a crude two-dimensional thermal map of an extrasolar world they cannot yet see, confirming that violent winds rapidly whip around the planet



HOT STUFF: As exoplanet HD 189733 b is eclipsed by its host star, astronomers can track how much the observed infrared radiation diminishes, and hence how much comes from individual curved bands of the planet. Repeating the process as HD 189733 b reemerges from behind the star produces a rough two-dimensional sketch [*bottom*] of the planet's thermal emission. A complementary analysis of the eclipse data yields a similar map [*top*]. Image: CARL MAJEAU, ERIC AGOL

Go to link: > <http://www.scientificamerican.com/article.cfm?id=exo-mapping>

Environmental

Autonomous Drone Monitors Rainforest

February 29, 2012
[ETH Zurich](#)

Assistant Prof. Lian Pin Koh has built an autonomous drone that can be used for nature conservation purposes, such as surveying large mammals and monitoring the rainforest. He is excited about the initial results of the reconnaissance flights.

Vast areas of Indonesia's rainforests are being destroyed by logging and conversion to oil palm plantations. In this Southeast Asian country, deforestation has reached alarming levels.

Lian Pin Koh, an assistant professor of applied ecology and conservation at ETH Zurich, took it upon himself to develop inexpensive drones that local conservation workers can use for mapping and monitoring land use change in Indonesia.



Go to link:> <http://www.laboratoryequipment.com/news-Autonomous-Drone-Monitors-Rainforest-022912.aspx>

International Development and Mapping

By [Clarice Africa](#) | 28 February 2012

International development requires an integrated approach to address complex challenges experienced within sectors such as agriculture, environment, health, education, economic growth, democracy and governance, and disaster response.

This is where the use of GIS comes in.

Using GIS allows organisations to go beyond making maps of just land cover. It enables them to combine layers of information, and study the spatial relationship between selected indicators to get a more holistic view of places or regions they are working to develop.

At present, these organisations are using GIS in missions to collect data about the in-country projects they fund across all sectors. The resulting mission portfolio databases are most often used to generate maps of their projects to visualise their respective location, track progress, and communicate what is going on and where. This is quite similar to how an organisation such as the World Food Program (WFP) uses its GIS during its disaster response and recovery operations.

Go to link:> <http://www.futuregov.asia/blog/2012/feb/28/international-development-and-mapping/>

Emergency mapping well on the way

27 February, 2012 1:44PM AEDT

Imagine if when there's a bushfire in your area you could immediately log in to a website and see a map of exactly where the bushfire is, and even where it's heading. Sound good? Well it could become the norm.

When there's a bushfire, the first thing people need in order to make good decisions is good information.

Which isn't easy to do in any fast moving emergency.

Despite best efforts, often the best we have to go on is second-hand descriptions and a little bit of guesswork.

Some enterprising individuals are trying to change all that.



Go to link: > <http://www.abc.net.au/local/audio/2012/02/27/3440461.htm>

Solar power map pictures Bristol green energy potential

By [The Editor](#)
Feb 27, 2012



Bristol solar power map shows the Bristol24-7 HQ is in a prime spot for solar power generation

Bristol residents can now estimate whether their house is suitable for solar panels thanks to a new online mapping service.

Bristol City Council has become the first local authority in the country to produce a solar map of this scale. Residents can view the map on [the council's website](#), which uses colour coding to illustrate an estimate of each building's potential for generating solar power.

By typing in their address, the user will be provided with more detailed information including the estimated system size, electricity generation and associated CO2 savings.

Go to link: > <http://www.bristol247.com/2012/02/27/solar-power-map-pictures-bristol-green-energy-potential-51743/>

India May Spend \$1 Billion to Map Aquifers, Avert Water Crisis

By Archana Chaudhary - Feb 21, 2012 5:27 PM ET

[India](#) may spend as much as 50 billion rupees (\$1 billion) in the next five years to map underground water as indiscriminate sinking of wells by farmers depletes resources in the world's second-most populous nation.

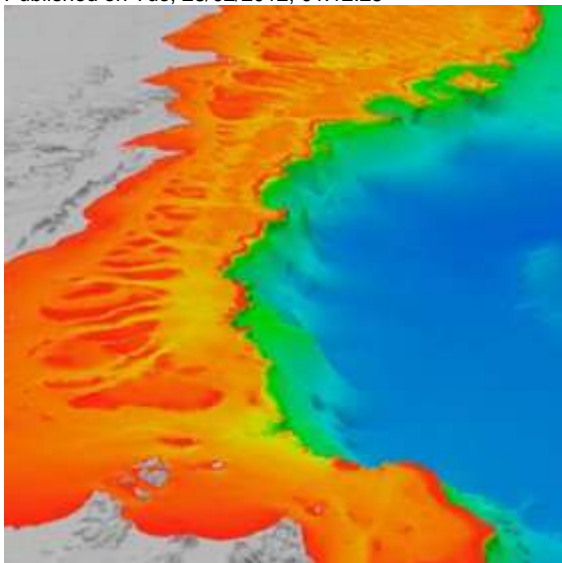
.....

Mapping of aquifers, or large underground reservoirs, is expected to help India manage cropping patterns and ensure drinking water for its growing population. More than 85 percent India's villages and half of its cities rely on wells for water. Farming accounts for about 90 percent of total water withdrawals in India, with the irrigated acreage almost tripling since 1950.

Go to link:> <http://www.bloomberg.com/news/2012-02-21/india-may-spend-1-billion-to-map-aquifers.html>

Best of the Blogs 28 February 2012 – from Spatial Source

Published on Tue, 28/02/2012, 01:12:25



Australian Geographic have a great piece about [mapping Australia's ocean floors](#), including how we've mapped them, what has been discovered, and what is needed.

Directions magazine have a great post that aims to teach you '[Ten things you need to know about open source geospatial software](#).'

The Age have a story on Google's latest iteration of StreetView: SeaView. This time the big goog have uploaded the [Catlin Seaview Survey of the Great Barrier Reef](#) for all to see online.

Google Maps Mania alerts us to a handy little portal called Old Maps Online that aids in [finding historical maps in libraries around the world](#), including Australia and New Zealand.

GIS User have a post stating that [creativity isn't just the domain of cartographers](#): geo analysts need it, too.

GIS Lounge talks of an interesting project called GapVis (Google Ancient Places Visualisation) put together by Google that places [textual references of historical sites](#) in literature into geographical context, by comparing ancient names with modern place names. Well worth a look.

SlashGeo points us to a discussion happening on the use of [UAVs for Wildlife conservation](#). It's great to see the many different uses for UAVs/UASs that are coming to light.

Go to link:> <http://www.spatialsource.com.au/2012/02/28/article/Best-of-the-Blogs-28-February-2012/PCOOLKDSK>

Cartographic Design

NASA Creates Insanely High-Res Map Of America's Trees, And Offers A Lesson In Information Design

Infographic of the Day

We'll start with a cool picture, but stick around. Things get really interesting.



According to Robert Simmon, art director of NASA's [Earth Observatory](#), the best science communication goes in layers. You start out with something striking and relatable, and then you invite your audience to go deeper, revealing more and more with each new layer. For example: This satellite map of America's forests, built from 265 million segments and intended to be a tool for understanding exactly how much carbon our trees can absorb. It's our infographic of the day, but it's also a story about the subtle choices that go into good visual information design.

Go to link:> <http://www.fastcodesign.com/1669125/nasa-creates-insanely-high-res-map-of-americas-trees-and-offers-a-lesson-in-information-desi>

Conferences

Mercator Revisited – Cartography in the Age of Discovery

25-28 April, 2012

International conference

Sini-Niklaas, Belgium

Contact: contact@mercatorconference2012.be

www.mercatorconference2012.be

4th International Conference on Cartography and GIS

18-22 June, 2012

Albena - summer resort on Black Sea, Bulgaria.

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

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

P.O. BOX 500

A-1400 Vienna, AUSTRIA

Phone: (+43 1) 26060- 4948

E-mail: unpsa@unvienna.org

<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. From September 2011 the exhibition and

scientific congress “Geo-Siberia” have been renamed as “Interexpo Geo-Siberia” that more exactly reveals the content and spirit of this forum.

<http://geosiberia.ssga.ru>

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](#)

CfP: LBS 2012 in Munich

9th International Symposium on Location-Based Services,

October 16 to 18, 2012.

Munich, Germany,

The 23rd International CODATA Conference-

Open Data and Information for a Changing Planet

Taipei 28th-31st October 2012.

Go to link:> <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

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.

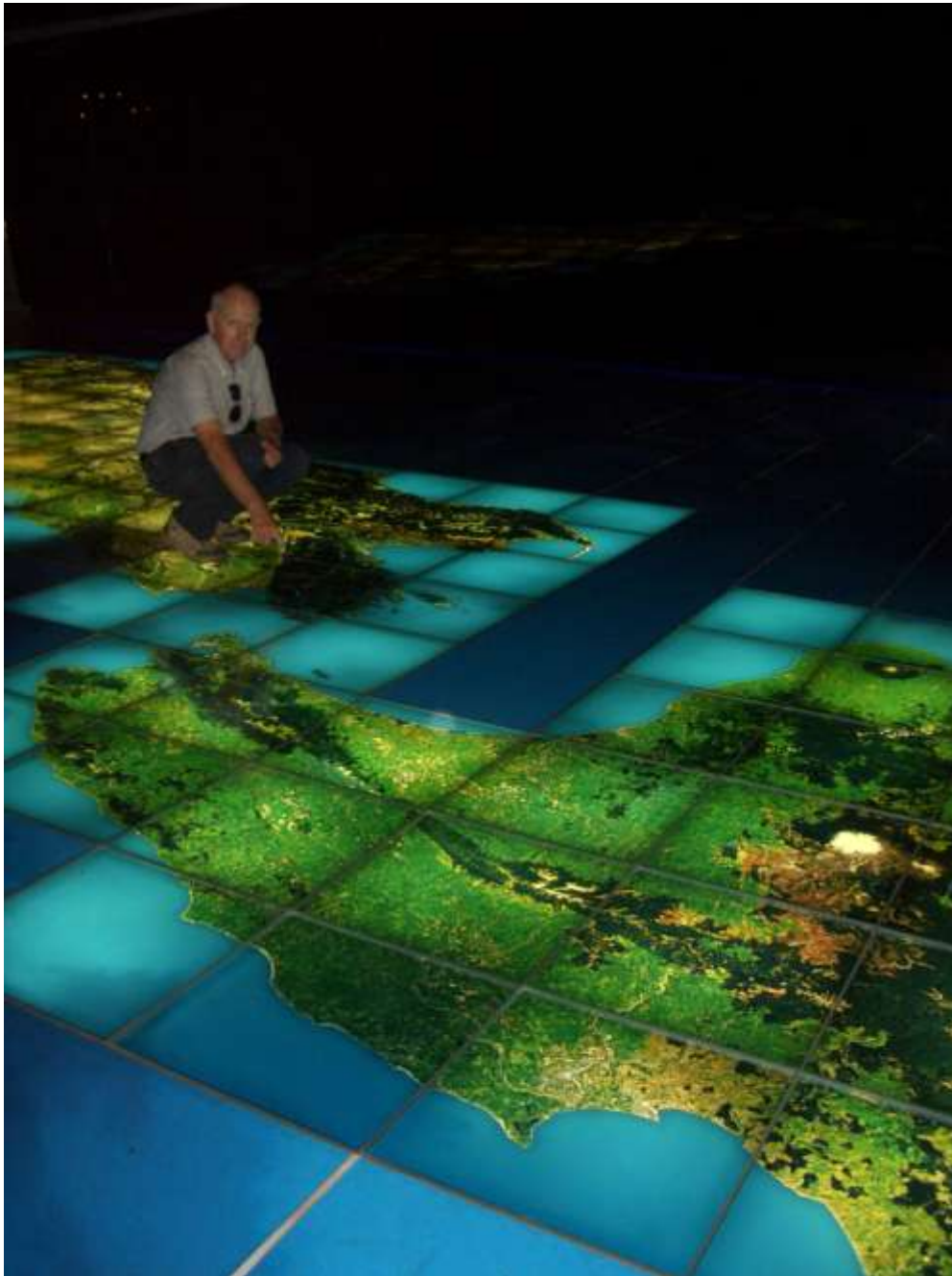
Go to link:> <<http://www.hcmuaf.edu.vn/>>

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

ITEM OF INTEREST ?

Interactive map in the Wellington museum

This floor map of New Zealand is divided into tiles. When you step on a tile a screen on the wall presents a slide show of photographs of that area that have been uploaded by people over the Internet. Anyone can upload their photographs of their holiday in New Zealand and at some time in the future others may view your photographs when they activate the tile by stepping on it.



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TKC P42M2 is a flat LCD integrated Multi-touch Technology combining hardware and software to make a completely different way of interacting with the computer.

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In addition, the P42M2 support for the multi-touch features of Windows 7 makes it compatible with many input devices at the same time such as fingers, stylus, or any objects similar to credit cards.

Go to link:> www.thoikhang.com.vn