



Commission on Education and Training

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

February 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

“Maps, like all texts, not only image the world but are generated in and by it. Their very fabric, content style, tone, and techniques bear the stamp of time and place through authorship, discourse, convention, technology, and the vagaries of knowledge acquisitions or creation.” (Bronwen Douglas, Senior Fellow, ANU Bronwyn.Douglas@anu.edu.au)

New Commission Members

I sent a letter to all national representatives to the ICA requesting that they nominate a representative for the Commission on Education and Training. My hope is that in the next month or two we will have many more members.

We do have two new members in Ms. Elena Posada (Columbia) and Mr Valdis Berzins (Latvia). I warmly welcome you both to our group. Mr Christian Haberling will continue for another term as the member representing Switzerland. Associate Professor Elisabeth Chesneau has been a member for this term but for technical reasons her profile did not appear on our list so I have included Elisabeth here by way of introduction.

Elena POSADA, POSADA Chief of the Center for Research and Development
on Geographic Information –CIAF, **COLOMBIA**

No photograph

Elisabeth CHESNEAU, Associate Professor in Cartography, Geomatics
"EVS" (Environment, City, Society), ISTHME laboratory, **FRANCE**



Christian HÄBERLING, Institut für Kartografie - Institute of Cartography
ETH Zürich **SWITZERLAND**



Mr. Valdis Berzins
Deputy Head of Department of Geodesy and Cartography
Latvian Geospatial Information Agency, **LATVIA**

No photograph

Education and Training Modules

A very basic start for a webpage called "Internet Cartography Teaching Courses" is available at <http://lazarus.elte.hu/cet/modules/mod.htm> Development of this important webpage has been crawling along for a number of years due to a number of reasons.

The aim this year is to build this webpage in such a way that people anywhere in the world with an Internet connection can access a well designed set of topics which are backed up by courses and resources already available over the Internet, along with a new set of modules for which the first of 12 has been prepared.

The first part of this webpage is an attempt at sorting existing modules into some logical theme order. This is done at a very basic (very very basic) structural level. The headings are:

- [Introduction](#)
- [On-line learning - Version 1 - details](#)
- [Introduction to sorted modules](#)
- [Modules sorted by theme](#)
- [Modules sorted by provider name](#)

If any member would like to volunteer to search for existing teaching modules from the Internet and/or redesign the interface to make it more user friendly that please let me know. As you can imagine I would love to hear from you.

The second part is a new module that has recently been prepared which allows access to all the raw visual and audio files so that people can create their own working version of the module depending on the computer system they have. [See list of files below]

The Nature of Maps & Spatial Databases

written by David Fraser (2012)

- [Powerpoint file](#) (sound files are linked, but you should download them separately and put all files to the same folder)
- Sound files:
 - [1 mio.mp3](#)
 - [2 mio viewing the world.mp3](#)
 - [3 mio the map as an information source.mp3](#)
 - [4 mio modelling the natural world.mp3](#)
 - [5 mio reference framework.mp3](#)
 - [6 mio representation in a computer database.mp3](#)
 - [7 mio the quality of information.mp3](#)
 - [8 mio conversion.mp3](#)
 - [9 mio information overlays.mp3](#)
 - [10 mio spatial analysis function.mp3](#)
 - [11 mio mapping project example.mp3](#)
- [Handout \(DOCX file\)](#)

The material is copyright free and the graphics have the appearance of those which might be created on a whiteboard during a lecture. No attempt has been made to “perfect” the graphics. The module components can be found at:

- [David Fraser: The Nature of Maps & Spatial Databases](#)

I invite comment from commission members on the approach taken with this new module. Some questions I would like answers to are:

Is it worth continuing with this approach?

How can a file be created which allows the graphics, sound files and text to be accessed from within the one file?

Does the style of the graphics work for you?

Is there a better way to do this?

Many thanks,

David

CET WORKSHOP Opportunities

Dear commission member,

Below is the revised content of a letter I have sent to all national representatives to the ICA. I am sending it to you as a CET member to see if you have any thoughts on who might be approached in relation to having a workshop in their country.

GIS/Cartography workshops, using the approach outlined below, have been successfully organised and conducted in Iran (2009), Indonesia (2010) and Viet Nam (2010), by the CET, on behalf of the International Cartographic Association. It may be that you know of GIS officers and cartographers in a specific country who may benefit from such a workshop.

I am introducing these workshops to you to see if you are interested in co-organising a workshop in a specific country (maybe your own) in 2012 (or 2013) at a mutually acceptable time.

The workshops can be held in up to three, one week, parts. Each part being presented by two people, ideally in a computer laboratory, allowing for hands-on practical exercises to be undertaken by all participants.

As an example, the content for a workshop could include the following.
The actual content would be tailored to suit the requirements and needs of individual countries:

Workshop - Part one

Projection Systems
Topographic maps
Map Design (Symbols and layout)
Geographic Information Systems (Part 1)

Workshop - Part Two

Geographic Information Systems (Part 2)
Internet Mapping
Atlas production
Prepress and Digital Printing

Workshop - Part Three

Digital Generalization
3D maps and Geovisualization
Multimedia products
Location Base Services
Cartographic Animation and Dynamic maps
Navigational Maps

A number of professionals from business and academia have already expressed an interest in presenting at any future workshop:

Other basic arrangements are:

- Up to six presenters (2 per week) would be selected based on their background.
- The workshop would be initially organised by me as the chair of the Commission on Education and Training for the International Cartographic Association and with the cooperation of the local organising committee.
- One, two or three, one week workshops can be conducted.
- The host nation provides the venue and resources required for the workshop.
- The host nation pays for the travel and accommodation costs of the participants.
- Workshop presenters provide their time, expertise and learning resources free of charge to the host organisation.

- Workshops are suitable for participants/nations that have limited access to cartographic education and training and are not designed for presentation where other similar workshop opportunities already exist.

Other arrangements are addressed as they are identified.

The workshops, so far, have been very successful with the participants gaining valuable new knowledge through the theory presentations, tutorials, practicals and discussions.

If you would like to explore the possibility of running a workshop then please contact me to initiate discussion.

Regards,

David

Dr. David Fraser

david.fraser@rmit.edu.au

Chair, Commission on Education and Training, International Cartographic Association

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

Skype: fraseratmit

GIS In Education: Beyond Instruction

Some of you may be interested in the following forum:

Join George Dailey of the Esri Education Program and a panel of experts as they kick off a lively discussion on the use of GIS in the administration of educational institutions. Operating and sustaining these campuses and districts are as vital as the learning happening within them.

Panelists will discuss how GIS can facilitate better decision making, greater efficiency, and cost reductions in areas including

- Planning
- Development
- Facilities management
- School bus routing

Explore the commentary and [share your thoughts](#) in the online discussion February 13 - March 12, 2012.



Some recent additions to the Conference listing

DCH2012 – Digital Cultural Heritage Conference

International and Interdisciplinary Conference on Digital Cultural Heritage

St. Dié des Vosges (France), July 2-4, 2012

Organized by:

CODATA-Germany, the German National Committee for CODATA (Committee for Data in Science and Technology of ICSU – International Council for Science)

in cooperation with:

- International Cartographic Association ICA
- ICA Commission on GIS and Sustainable Development
- Comité Français de Cartographie
- Deutsche Gesellschaft für Kartographie

Conference Homepage:

<http://dch2012.net>

2nd International Conference and Exhibition on Mapping and Spatial Information (ICMSI2012)

May 8-10

National Cartographic Center (NCC) of Iran

<http://conf.ncc.org.ir>

AgriGIS 2012 - Advancing Geospatial Technologies in Agricultural Research

10th May 2012

The University of Nottingham and Crops for the Future Research Centre (CFFRC) are pleased to announce **AgriGIS 2012 - Advancing Geospatial Technologies in Agricultural Research** on 10th May 2012 at University of Nottingham Malaysia Campus (UNMC), Malaysia.

The AgriGIS 2012 workshop will focus on state-of-art use of geo-information and geospatial technologies in agricultural research and practice, and highlight current developments and experiences with an aim to:

- bring together industry, academic and private and public sector researchers with relevant expertise in both geospatial technologies and agriculture to exchange knowledge on strategies for AgriGIS research
- understand current developments in use of geospatial technologies in agricultural research
- demonstrate current work at the University of Nottingham in this theme, in particular the GRASP prototype
- provide a platform to network and develop ideas for future collaborative work in AgriGIS
- act as a focus for AgriGIS research and development and plan proposals and strategies to secure funding for a future road map.

Workshop Chairs:

Prof. Sayed Azam Ali (CEO, Crops for the Future Research Centre, Malaysia)

Dr Tuong Thuy Vu (Head of Open-Source Geospatial Lab, UNMC , Malaysia)

Please submit your abstracts (maximum 1200 words) by email to Dr Tuong Thuy Vu

(Tuongthuy.Vu@nottingham.edu.my)

Abstracts Submission deadline: 15th March 2012

[ICA Commission on Atlases: Meetings & workshops 2012](#)

National Atlases in the Formation of the Global Information Space September 13-14, Kiev (Ukraine):

Conference “National Atlases in the Formation of the Global Information Space”, 5th All-Ukrainian Scientific and Practical Conference “National Mapping”

Venue: Kiev House of Scientists, Kiev, Volodymyrska str., 45A

Organizers: National Committee of Geographers of Ukraine, Ukrainian Geographical Society, International Cartographic Association (Commission on Atlases), Ukrainian Cartographic Association, Ukrainian Academy of Sciences (Institute of Geography), State Scientific and Production Enterprise “Kartographia”

Topics: Characteristics of national and regional atlases of different countries of the world, modern conceptual approaches to the creation of national and regional atlases, problems of information reflection and coordination of thematics of border regions maps, Software and technology of creation of paper and electronic versions of national atlases.

Workshop on City Atlases

November 15-16, Guangzhou (China):

ICA Commission Workshop on City Atlases in conjunction with the 7th National Conference of Cartography & GIS “Digital Cities Benefit Human Beings”

Venue: Austrian Federal Office for Metrology and Surveying [Bundesamt für Eich- und Vermessungswesen (BEV)], 1020 Wien, Schiffamtsgasse 1-3

Organizers: ICA Commission on Atlases, Chinese Academy of Sciences, Institute of Geography and Natural Resources Research, Geographical Society of China, Surveying & Mapping Society of China, Geology Society of China,

Topics: City atlases under various aspects

Considerable local, Chinese participation can be expected.

International Symposium on Service-Oriented Mapping

November 22-23, Vienna (Austria):

International Symposium on Service-Oriented Mapping (SOMAP 2012)

Venue: Austrian Federal Office for Metrology and Surveying [Bundesamt für Eich- und Vermessungswesen (BEV)], 1020 Wien, Schiffamtsgasse 1-3

Organizers: ICA Commission on Map Production and Geobusiness, ICA Commission on Atlases, ICA Commission on Map Projections, ICA Commission on Maps and the Internet, ICA Commission on Use and User Issues.

Topics: modern map production methods, service-oriented use cases, impact of service-oriented architectures for mapping and geobusiness, innovative map applications, embedding innovation and design, geobusiness models and map dissemination, (service-oriented) crowd sourcing, dynamics and influences of crowd sourcing, IT architectures and quality of services for service-oriented maps, joining distributed sources (legal, organisational, technical, ...) for map production, licences, cooperations and prices, long-term management of

(map) production flows, production cycles, pragmatic requirements for service-oriented mapping, preservation of service-oriented maps, process- and change management, projections in service-oriented mapping, rights management, security aspects and protection of critical SDI, smart maps, use and user issues in service oriented mapping, user-centred design of service-oriented mapping solutions, user location centered mapping, user location preference mapping, advertizing and advertizing free based services, browser based service oriented mapping, app based service oriented mapping

For more information, deadlines and registration see

<http://somap.cartography.at/>

POSITION AVAILABLE – Geomatics Lecturer

The University of Glasgow has a new two year post for a lecturer in Geomatics (including cartography & GIS).

Geomatics Lecturer	
Reference Number	001424
Location	Gilmorehill Campus / Main Building
College / Service	COLLEGE OF SCIENCE & ENGINEERING
Department	SCHOOL OF GEOGRAPHICAL & EARTH SCIENCES
Job Family	Research And Teaching
Position Type	Full Time
Salary Range	£31,798 - £35,788
Job Purpose	
To deliver internationally excellent research and teaching in geomatics (mainly at MSc level), and to undertake administration as assigned by the Head of School.	
Main Duties and Responsibilities	
1. Deliver a range of teaching and assessment activities within our PGT programmes, taking responsibility for existing courses and/or developing and leading new 10-credit courses in areas appropriate to your background including at least two of: Geovisualisation and GIS; Hydrographic Survey; Land and Engineering Surveying; Laser Scanning and Lidar; Photogrammetry and Remote Sensing; Satellite Geodesy.	
2. Develop your own research profile through publications in your area of expertise.	

For more information see:

http://www22.i-grasp.com/fe/tpl_glasgow01.asp?s=bkMjPUrEcTFkHhTcz&jobid=50586,5625612356&key=61278709&c=574777580256&pagestamp=seognesnqjssozqbbx

or <http://www.gla.ac.uk/about/jobs/> and search for reference number 001424

Closing date is 5th April 2012

QUESTIONNAIRE

A request from Alexander Kent per David Forrest, CET member, Senior Lecturer, School of Geographical & Earth Sciences, University of Glasgow, Glasgow G12 8QQ

=====
From: Alexander Kent [alexanderjameskent@yahoo.co.uk]

Sent: 14 February 2012 18:17

Subject: [carto-soc] Map Design Online Questionnaire

Dear Colleagues,

I am currently undertaking some research on cartographic design and have devised a short online questionnaire, aiming to explore our views on this and develop an understanding about the relationship between design and aesthetics in cartography.

Everyone is warmly invited to participate and I would greatly appreciate your opinions. All answers will be kept anonymous.

To complete the questionnaire, please follow the link below:

<https://docs.google.com/spreadsheet/embeddedform?formkey=dFJ5c1FUTVZ4VXBBUUNuVEhSNTd5OVE6MQ>

Thank you very much indeed for your support.

Best wishes,
Alex.

Dr Alexander Kent
Vice-Chair, ICA Commission on Map Design
Co-Convenor, Map Design Group, The British Cartographic Society
Editor, Bulletin of the Society of Cartographers
Assistant Editor, The Cartographic Journal

Senior Lecturer in Geography and GIS
Dept. of Geographical and Life Sciences
Canterbury Christ Church University
North Holmes Road
Canterbury
Kent
CT1 1QU
United Kingdom

Tel. 0044 (0)1227 782324

Example of questions:

Cartographic Design Questionnaire (Dr Alexander Kent, 2012)

There are two sections to this short questionnaire. The first focuses on aspects of cartographic design while the second covers some basic information about you and your cartographic experience. Please answer all questions. Your answers will be kept anonymous.

* Required

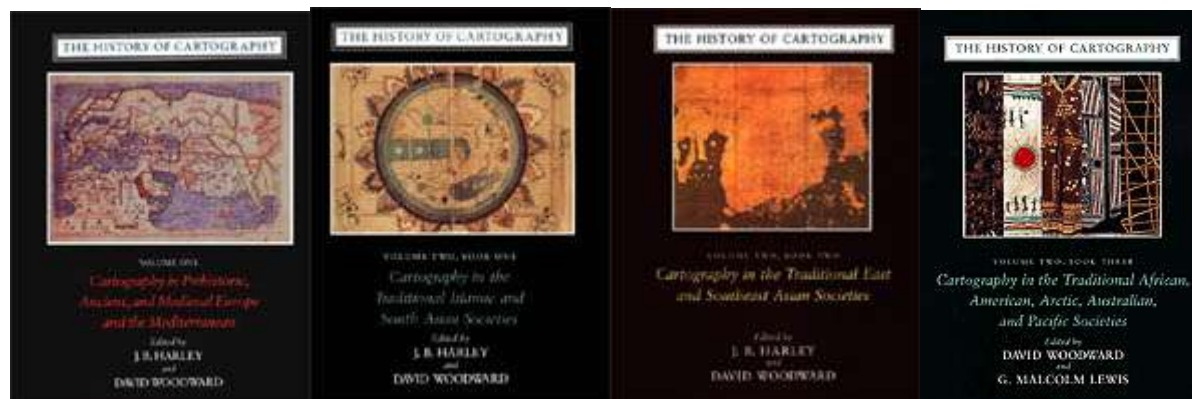
Section A - About Cartographic Design

1. Why do you enjoy making, using or collecting maps? *

Please try to be as specific as possible.

History of Cartography

The History of Cartography



The first volume of the *History of Cartography* was published in 1987 and the three books that constitute Volume Two appeared over the following eleven years. In 1987 the worldwide web did not exist, and since 1998 book publishing has gone through a revolution in the production and dissemination of work. Although the large format and high quality image reproduction of the printed books are still well-suited to the requirements for the publishing of maps, the online availability of material is a boon to scholars and map enthusiasts.

On this site the University of Chicago Press is pleased to present the first two volumes of the *History of Cartography* in PDF format. Each chapter of each book is a single PDF. A search box allows searching across the content of all the PDFs that make up the first four books.

Go to link:>

www.press.uchicago.edu/books/HOC/index.html

Thanks to Keith Smith (Australia) for this link

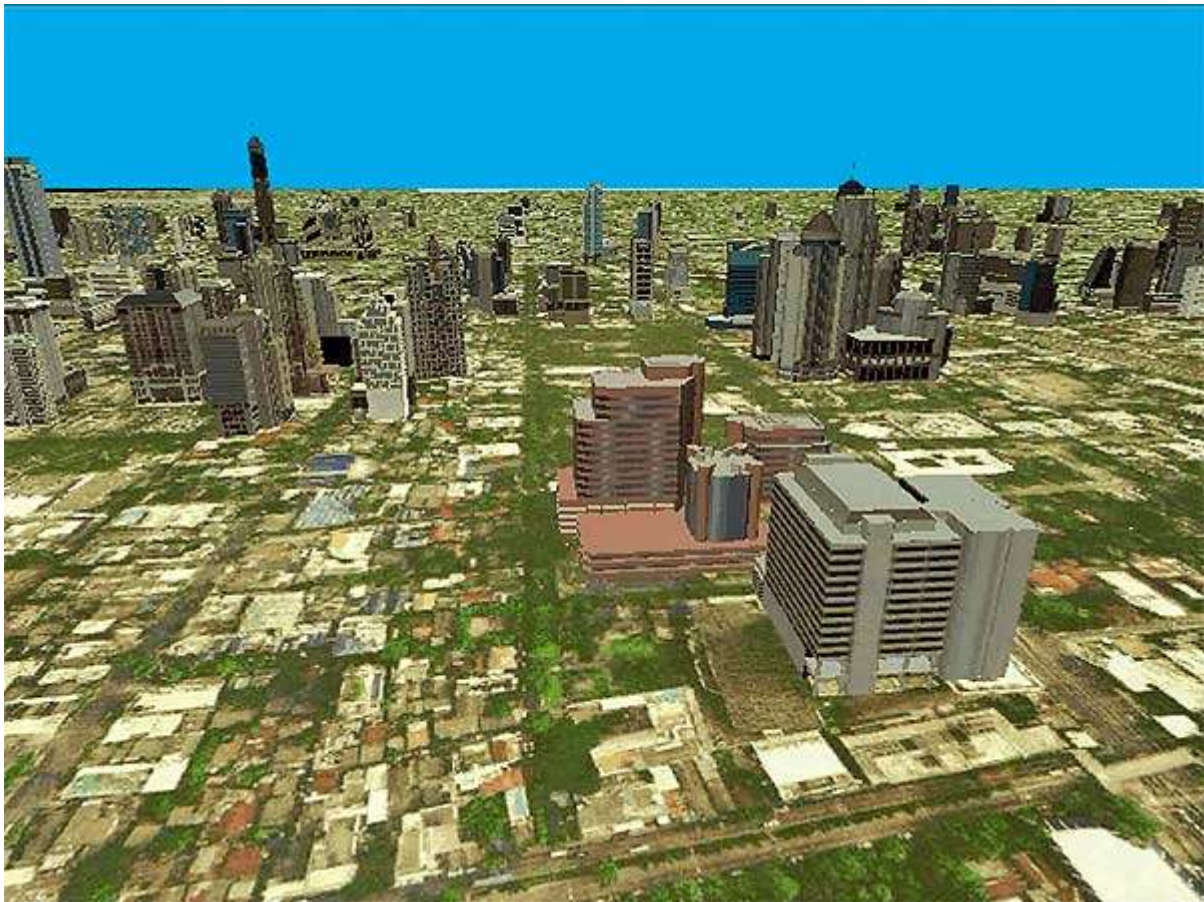
Cartography in the media

Mapping out where to live and build

A 3D online map of Bangkok highlights traffic routes, infrastructure and risk areas for potential property owners and developers

Published: [4/02/2012](#) at 12:00 AM

When the great flood of 2011 ravaged many districts of Bangkok, those affected realised they had failed to do one important thing when they built or bought their properties - to check city plans for flood zones.



A digital 3D image shows Bangkok's downtown area, a part of City Hall's digital city plan map that is now available online.

So it is not surprising to see long queues of people at City Hall's public works offices seeking land zoning information and other data as they plan for future property developments.

But a new initiative from the Bangkok Metropolitan Administration (BMA) could put an end to the queues.

The BMA's City Planning Department has drawn up a 3D city planning map which it has put online.

The 3D city map of traffic routes and infrastructure systems is available to the public at <http://3d-cpd.bangkok.go.th>

The digital map will be overlaid with 3D visualised landmarks and infrastructure such as public parks, Ratchadamnoen Avenue, high-rise buildings, expressways and railways.

Go to link:>

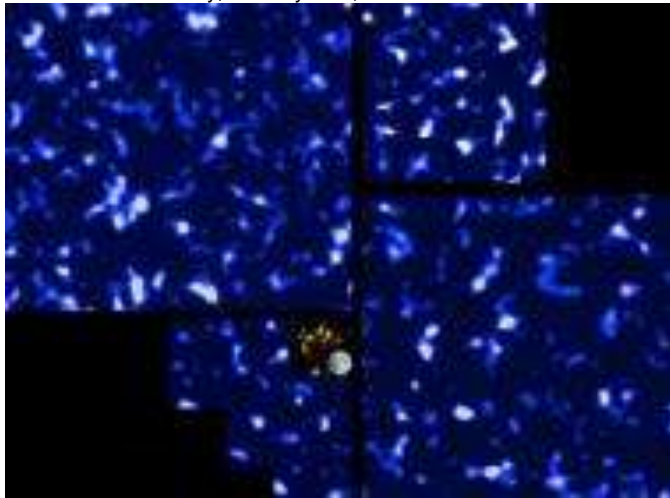
<http://www.bangkokpost.com/news/local/278239/mapping-out-where-to-live-and-build>

New maps of the cosmic dark

Probing galactic distortions reveals web of invisible matter

By [Nadia Drake](#)

Web edition : Tuesday, January 10th, 2012



This new map of invisible dark matter in the universe shows the stuff concentrated in clumps (white) and sparse in voids (dark). Each of the four images represents observations for a single season; the winter frame (upper left) is largest, at 1 billion light-years across, because it has the most dark hours. The inset near the center of the image shows the full moon, for scale, and the scale of the previous largest deep-imaging dark matter survey, gathered by the Hubble Space Telescope. L. Van Waerbeke, C. Heymans, CFHTLenS Collaboration

AUSTIN, Texas — Astronomers might not know what dark matter is or be able to see it, but at least they know something about where it is. Using telltale distortions in light from distant galaxies, scientists have mapped out clumps and strings of the invisible stuff on a larger scale than ever before.

Maps of China

Google's mapping products in China are used by 60% of about 48,000 local map-using websites, but now account for just 9% of mapping traffic, the report says. Baidu's maps account for 61% of daily traffic, Xiaojia says.

BAIDU MAP



Go to link:>

<http://map.baidu.cn/>

GOOGLE MAP



<http://ditu.google.cn/>

Go to link:>

<http://news.investors.com/Article/599985/201202031100/google-and-baidu-battle-for-mapping-in-china.htm?src=HPLNews>

Technology Trends

Avenza's Popular PDF Maps App Introduces Waypoint Importing and Exporting Allowing Consumers to Share Points of Interest in Minutes

Latest Feature Enables Users to Share Recorded Trip Details and Exact Route Information With Others via iTunes, Dropbox, Email or Weblink

Jan. 10, 2012,
TORONTO

Jan Avenza Systems Inc., producers of MAPublisher(R) cartographic software for Adobe(R) Illustrator(R) and Geographic Imager(R) geospatial tools for Adobe Photoshop(R), announces its latest social sharing feature to its award-winning PDF Maps app with the introduction of waypoint importing and exporting which allows users who have recorded specific map points of interest the ability to share them with others in minutes. A distinguishing technology in its own right, Avenza brings PDF Maps to a social level enabling consumers to not just tell of their travel adventures but download exact point information via iTunes, Dropbox, email or a weblink, so others can experience it in the same way.

Presently, the PDF Maps app takes advantage of geospatial technology that allows travelers to view and measure real world locations and attributes. Paired together with mobile devices that utilize GPS, such as an iPhone or iPad, the PDF Maps app provides constant access to geographic locations and even points of interest without the risk of losing reception due to cell tower proximity -- making it the ultimate traveling accessory for those that are enthusiastic about travel or anywhere internet bandwidth is not available or is cost-prohibitive when roaming internationally.

Go to link:>

<http://www.marketwatch.com/story/avenzas-popular-pdf-maps-app-introduces-waypoint-importing-and-exporting-allowing-consumers-to-share-points-of-interest-in-minutes-2012-01-10>

Let that be a lesson to you, dear cartographer!

Seller of pirated city maps gets 3 1/2 years

2012-01-11

A Shanghai native was sentenced to three years and six months in prison for producing and selling more than 70,000 unauthorized copies of Shanghai traffic maps, the Huangpu District People's Court said yesterday.

Lu Xuegen, 49, was also fined 20,000 yuan (US\$3,168) after being convicted of infringing the copyright of the Shanghai Science and Technology Publishing House, the legal publisher of city maps.

The court said Lu started to produce the maps last July after noticing how well legal maps sell in the city.

Go to link:>

<http://english.eastday.com/e/120111/u1a6304634.html>

Cartography Professor on UN Committee

Professor William Cartwright appointed to United Nations Committee

09 December 2011

Professor William Cartwright has been appointed to the United Nations Committee of Experts on Global Geospatial Information Management.



Professor Cartwright at the first high-level forum on global geospatial information management in Seoul.

He recently spoke at the inaugural UN conference on the subject, held in Seoul, South Korea, where he was officially appointed to the committee.

Professor Cartwright, who is an expert on cartography and geographical visualisation in RMIT University's School of Mathematical and Geospatial Sciences, Australia, said the conference was organised to address global coordination of geographic information management.

"This included giving consideration to creating a UN global forum for the exchange of information between countries and other interested parties," Professor Cartwright said.

The committee's focus would be to "develop a global strategy on the vision for global geographic information management," he said.

Go to link:>

<http://www.rmit.edu.au/browse;ID=6oijg339nm3q>

Cartographic Paranoia

Map fetish

A.G. NOORANI

India's obsessive responses to maps showing its disputed boundaries with Pakistan and China expose the country to ridicule.

IT has been said that the difference between a lunatic and a neurotic lies in their different responses to reality. The lunatic believes that two and two make four. The neurotic accepts that they make four but feels profoundly unhappy about it. India's initial response to the boundary dispute with China reflected neurosis at the highest level. It infected the press, the intelligentsia and the political class. It soon degenerated into lunacy, which gripped the bureaucracy. It has since gone about in its map phobia exposing the country to ridicule.

The latest outbreak is the worst. Foreign periodicals have to bear the brunt whenever they carry a map of South Asia. *The Economist* publishes excellent maps, however small. In 2011 it incurred our babus' wrath twice. They no longer rubber-stamp the silly warning: "The external boundaries of India are neither accurate nor authentic." They obliterate the map pasting a slip of paper over it. Two issues (of May 18 and November 19) were treated thus



A MAP OF the world. To be in awe of maps or to imagine that one's own map contains the revealed truth, as is India's position, is sheer illiteracy.

"Whether in frontier delimitations or in international territorial conflicts, maps merely constitute information which varies in accuracy from case to case; of themselves, and by virtue solely of their existence, they cannot constitute a territorial title, that is, a document endowed by international law with intrinsic legal force for the purpose of establishing territorial rights.

Go to link:>

<http://www.frontline.in/stories/20120127290108200.htm>

Satellite Guided Parachutes



Developed during World War 2, the airdrop was developed as a way to get supplies to otherwise inaccessible troops. For the most part, these drops entailed pushing a package with a parachute out of an airplane and hoping it landed where you wanted it to land. The extremely rugged conditions and isolated military bases in Afghanistan spurred the development of new, more accurate methods for resupply by air, resulting in the invention of satellite guided parachutes.

With the development of better GPS devices, we now have more accurate methods of getting packages to those in areas that are out of reach. The Joint Precision Airdrop System (JPADS) was developed in 2006, and uses global positioning systems, maneuverable parachutes and onboard computers to increase just how precise airdrops can get.

Go to link:>

<http://www.innovationnewsdaily.com/562-tech-after-september-11.html>

Special Forces seek help to halt deadly helicopter crashes

They want 3-D laser mapping capable of seeing through fog, dust to find safe landing zones



A UH-60 Blackhawk helicopter lands to pick up U.S. Special Operations Forces at the end of a clearing operation in Babakashan province, Afghanistan, on Sept. 13, 2011.

Deadly helicopter crashes have killed dozens of U.S. Special Forces operators who flew risky missions to hunt insurgents and terrorists in Afghanistan and Iraq since 2001. Now the U.S. military is looking to equip its elite warriors' helicopters with airborne laser mapping capable of seeing through fog and dust to find safe landing zones.

Go to link:>

http://www.msnbc.msn.com/id/46258127/ns/technology_and_science-innovation/#.Tyyix8gUrLQ

Free Google Maps service is anti-competitive, French court rules

Google's 'Maps' service is anti-competitive because the company is exploiting its dominant market position by offering the service for free, a French court has ruled.⁰³

Feb 2012

The commercial court in Paris ordered the internet giant to pay rival firm map provider Bottin Cartographes €500,000 in damages and interest and fined the company €15,000. Bottin, which charges users of its maps service, had claimed Google was trying to force competitors out of the market and that its tactics in doing so were unfair, according to media reports.

Go to link:>

<http://www.out-law.com/en/articles/2012/february/free-google-maps-service-is-anti-competitive-french-court-rules/>

Mapping errors create problems for drivers

By Bill Amick, Mount Vernon News
February 3, 2012 11:17 am EST

MOUNT VERNON — Knox County may not be directly served by an interstate highway, but Mount Vernon is nevertheless the hub on a transportation wheel that includes one U.S. highway and no fewer than seven designated state routes.

..... tractor-trailer drivers who are often unfamiliar with the area have a tendency to wander off the through highways and onto city streets. When they do, they not only violate a city ordinance, but create a nuisance for residents and businesses and sometimes snarl traffic.

“It’s a pretty common occurrence through town,” said Mount Vernon Police Capt. George Hartz. “Usually, they are paying more attention to their GPS than they are to the street.”

GPS mapping is widely accepted as an advance in technology that greatly assists road users. But there’s a tendency to implicitly trust GPS software, and that can be an issue when it comes to mapping in general and Mount Vernon in particular.

The News looked at maps and directions provided by four popular Internet providers — Google Maps, MapQuest, Rand McNally and Yahoo! Maps — and found a mixed bag of facts, errors and omissions.

Go to link:>

Mapping errors create problems for drivers / Mount Vernon News
<http://www.mountvernonnews.com/local/12/02/03/mapping-errors-create-problems-for-drivers#ixzz1INUUYwms>

Tracking Your Shopaholic Partner

Firms Roll Out Shopper Traffic Mapping Solution

February 3 2012

In the US, retail performance consultancy Claris Solutions has joined forces with data analytics start-up Euclid Elements, to offer a solution that uses mobile sensors to map shopper traffic patterns in retail spaces.

The new ‘Claris-Euclid Store Experience Program’ uses these sensors to detect Wi-Fi signals on shoppers’ smartphones, to enable consultants to understand exactly how shoppers move through a physical store environment. Claris then provides anonymous and aggregated shopper data to help retailers make decisions about store layouts, merchandising, staffing and other aspects of the in-store experience.

Go to link:>

<http://www.mrweb.com/drno/news14957.htm>

Landmarks help TomTom navigate in Indian Territory

Alka Kshirsagar
Pune, Feb 2:

In a country where 70% of the roads have neither a name nor a number, a quintessentially Indian tendency to rely on prominent landmarks for navigating through towns, cities and villages has impelled TomTom India to change the way the mapping company operates worldwide.

The wholly owned subsidiary of TomTom Inc, the Amsterdam-based supplier of navigation products for automobiles, has taken the better part of three years to complete mapping of 1.3 million km (of 1.6 million km) of paved roads in India, and declares that it is now ready for “turn-by-turn navigation.”

For TomTom, which has mapped 40 million km of roads worldwide, the Indian need to communicate a location in relation to a landmark has been a revelation, says Jocelyn Vigreux, General Manager and Senior VP, India. “How different can it be from anything I know?” he asks, following this with the exclamation, “It pretty much tops the line!”

Go to link:->

http://www.thehindubusinessline.com/industry-and-economy/marketing/article2857486.ece?homepage=true&ref=wl_home

Google gets green light to resume snapping Czech streets

Google agrees to conditions set by the Czechs' Office for Personal Data Protection for its Street View service

[Tom Jones](#) | 03.02.2012



© ČTK A Google Street View Car by the Vltava River in Prague

The historic spa town of Karlovy Vary and number of UNESCO heritage sights outside Prague should soon be available on Google's Street View service now that the US search engine giant has agreed to measures to protect personal privacy,

including the option for people to demand that their property be erased from the 360 degree panoramas on ground level.

Go to link:>

<http://www.ceskapozice.cz/en/business/companies/google-gets-green-light-resume-snapping-czech-streets>

Land registry overhaul advances

Friday, February 03, 2012

By Clayton R. Norman

Legal help available to settle Costa Rica's sticky land disputes.



Surveyors from the National Registry interview a landowner about property limits. A national plan to map and register every property in Costa Rica is in its seventh year. *Courtesy of the National Registry*

Property fraud in Costa Rica has long been a problem for foreigners, but the government is making efforts to improve the legal security of property rights.

The Cadastre and Registry Regularization Project is a massive operation to map and register all properties in the country. It is ongoing since 2005, and aims to develop an integrated system housing both an officially mapped, physical definition of every property, along with a legal registry of the owner or owners who go with it. Officials say the integrated system is a way to improve the legal security of landowners and protect buyers from getting scammed in fraudulent sales schemes.

“The fundamental advantage of this program is that once the program goes through its processes, we will know the exact and unequivocal location of every property,” said Alexander González, coordinator of the formation component of the *catastro*, or national land registry.

Go to link:>

http://www.ticotimes.net/Business-Real-Estate/Land-registry-overhaul-advances_Friday-February-03-2012

Final boundary map of 600 unauthorised colonies prepared

New Delhi, Jan 30,2012, DHNS:

Entrusted with the task of finalising the boundaries of 1,018 unauthorised colonies which are awaiting regularisation, Survey of India has submitted its the final report on 600 of these localities to Delhi government.

Go to link:>

<http://www.deccanherald.com/content/223349/final-boundary-map-600-unauthorised.html>

Digital Cameras and Mapping

Nikon Selects NAVTEQ® Map for Their New COOLPIX AW Series of Digital Cameras

NAVTEQ location content enables map display and geotagging of photos

By [NAVTEQ](#)
Thursday,
Feb. 2, 2012
SINGAPORE

NAVTEQ, the leading global provider of maps, traffic and location data enabling navigation, location-based services and mobile advertising around the world is supplying NAVTEQ® map and location content for Nikon's COOLPIX AW series of compact [digital cameras](#), the first COOLPIX devices targeted for outdoor users. The AW100 is Nikon's first compact digital camera with waterproof, shock-proof and cold-resistant specifications. In addition, the device is also equipped with a number of new features including GPS support, an electronic compass and a map display.

Unique to the AW100 is the ability for users to view their exact location on the map display that comes pre-loaded within the devices. Both devices are equipped with built-in GPS (Global Positioning System) functionality that allows geo-tagged images to be pinpointed via Point of Interest (POI) data supplied with the NAVTEQ map. The NAVTEQ map today features millions of POIs in over 50 categories including restaurants, tourist attractions, shops, hotels and much more. Thanks to the millions of locations included within the NAVTEQ map, the AW100 will recognize your location and display it, either as longitude and latitude, or by place name.

Go to link:>

<http://www.sacbee.com/2012/02/02/4233874/nikon-selects-navteq-map-for-their.html>

MapQuest Adds Traffic, Road Cameras



Denver-based mapping service **MapQuest.com** said this morning that it has added immediate access to traffic and road condition cameras on the service. According to MapQuest, it now shows traffic cameras and traffic conditions as part of its "Live Traffic" information. The service said that it now shows over 11,000 cameras in 100+ markets in the US and Canada.

Go to link:>

<http://www.techrockies.com/mapquest-adds-traffic-road-cameras/s-0040769.html>

When Skyscrapers Are Your Screen

By *ADRIENNE DAY*
January 25, 2012



Mr. Skola and his creative partner Max Nova create guerrilla projections; that is, works that are shown in public without any of the necessary approvals. They are part of a "video mapping" art scene that is bubbling up in New York, London and other urban centers. While video projection art is not new, it has become much more ambitious thanks to recent advancements in 3-D-projection mapping, a technology that helps create the illusion of multidimensional movement across or around the contours of any surface, regardless of its shape. And cheaper versions of video mapping software are now on the market, opening up the medium to a wider array of artists.

Go to link:>

<http://www.nytimes.com/2012/01/29/arts/design/video-mapping-artists-use-light-as-a-medium.html>

Google Expands Street View Indoor Maps Via Trusted Photographers

By [Leslie Horn](#)

January 27, 2012 10:03am EST

Since Google took Street View mapping indoors last year, shoppers have been able to see the insides of stores, restaurants, salons, and more without having to leave their homes. Now Google is making it easier for even more business owners to have 360-degree images of their companies included in this service with the launch of a "trusted photographers" program.



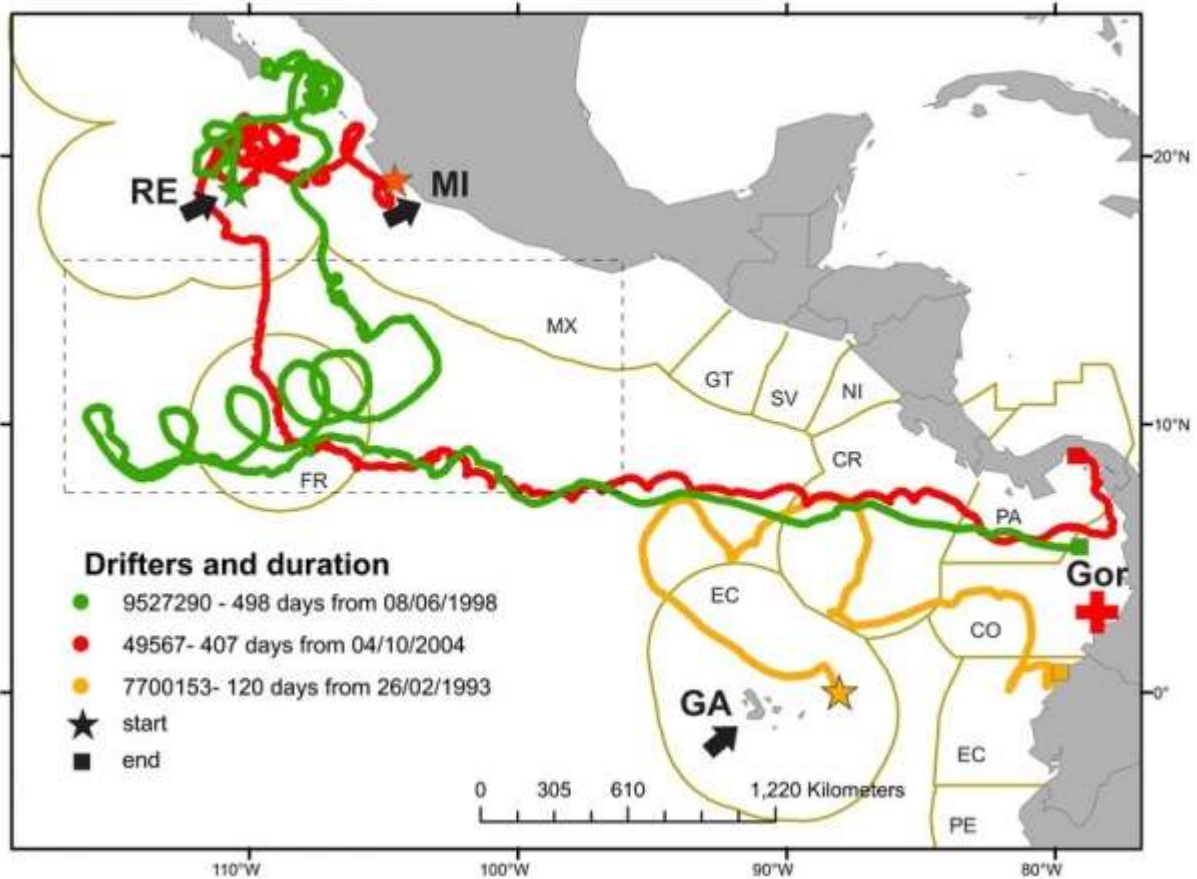
Go to link:->

<http://www.pcmag.com/article2/0,2817,2399456,00.asp>

Environmental & Health Mapping

Green light for migrating turtles

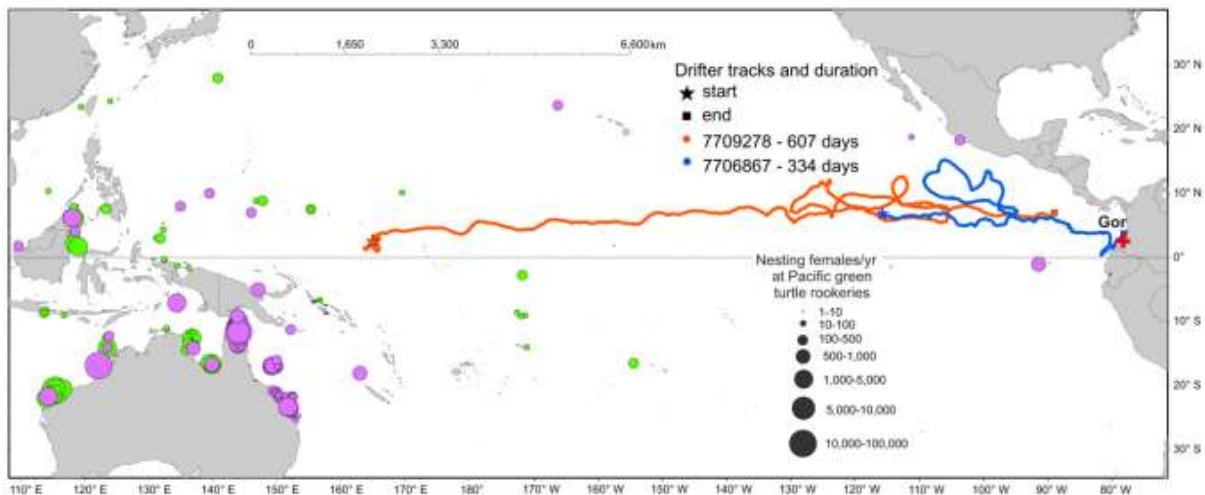
By Dave Armstrong
03 Feb 2012



Tracks from three drifters deployed near Eastern Pacific breeding ground heading towards the vicinity of the Gorgona study site (red cross). RE = Revillagigedo [Islands](#), Mexico; MI = Michoacan, Mexico; GA = [Galapagos Islands](#), [Ecuador](#); Gor = Gorgona Island, Colombia. Rectangle in broken lines highlight area with frequent eddies provoking recurrent looped tracks with increased speed (about 2X average) but longer entrainment within the current system. Countries' EEZ boundaries are indicated with two-letter abbreviations. Drifter data from NOAA/AOML Global Lagrangian Drifter Data (www.aoml.noaa.gov/envids/gld/krig/parttrk_id_temporal.php);

Go to link:>

[doi:10.1371/journal.pone.0031486.g006](https://doi.org/10.1371/journal.pone.0031486.g006)



Two drifter tracks initiating on the eastern edge of Western Pacific green turtle habitats leading to areas near the Gorgona study site (red cross). Total duration indicated in the [figures](#). Green turtle rookery locations and abundances derived from IOSEA Marine Turtle Mapping System (stort.unep-wcmc.org/imaps/indturtles) and the Marine Turtle [Database](#) maintained by C. J. Limpus at Queensland Parks and Wildlife Service, [Australia](#). Purple circles indicate Pacific basin breeding colonies that have been genetically characterized ([see Table 2](#)); green circles show populations with no genetic studies. Drifter data from NOAA/AOML Global Lagrangian Drifter Data (http://www.aoml.noaa.gov/envids/gld/krig/parttrk_id_temporal.php);

Go to link:>

[doi:10.1371/journal.pone.0031486.g007](https://doi.org/10.1371/journal.pone.0031486.g007)

This latter map tries to emphasise just how far these young turtles have already reached in their eventful lives. Note the red line ends in our Micronesian atolls! It's basically an easterly movement, with recovery needed after the juveniles' journey, but do they ever return for the traditional egg-laying at their native beach. Stragglers they might possibly be, but thanks to research by the American countries (Costa Rica, Colombia, Ecuador and Panama), worldwide interest will now be stimulated in the destinies and fate of these enchanting mariners.

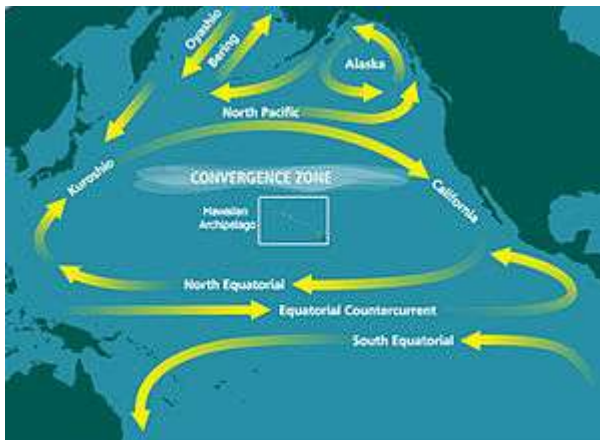
Go to link:>

<http://www.earthtimes.org/nature/green-light-migrating-turtles/1806/>

Mapping the Pacific Garbage Patch and Ocean Currents Moving Plastics and Debris

Written by @gletham

03 February 2012



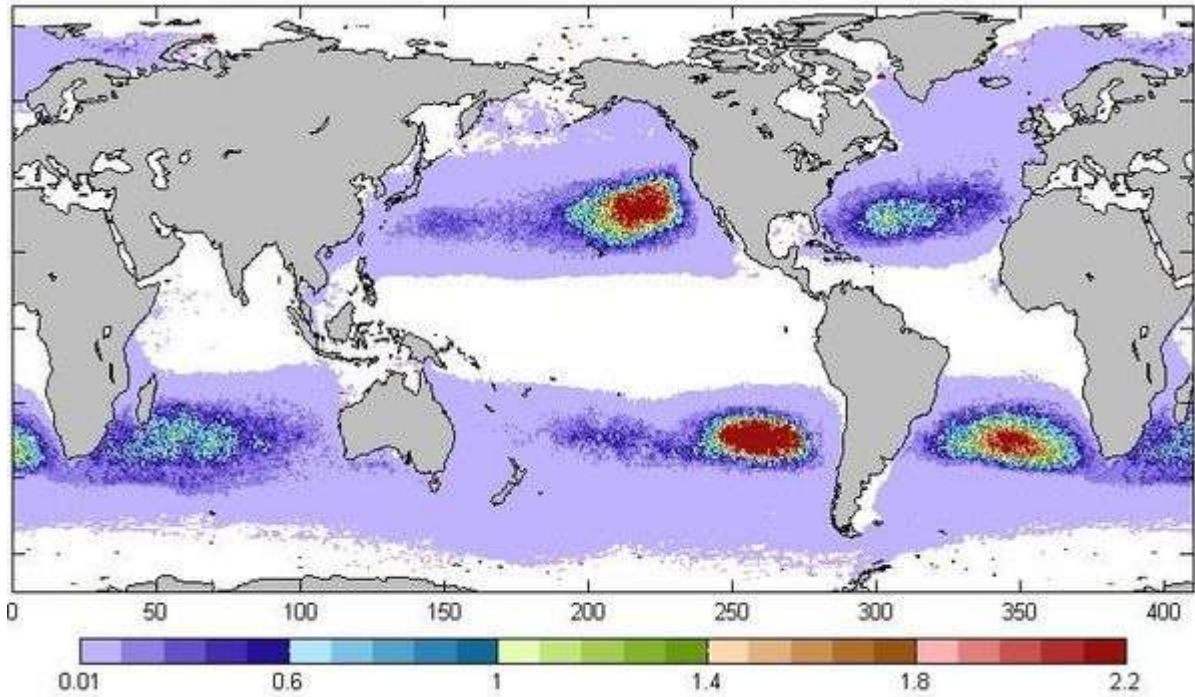
Map of Currents moving the garbage patch – Source: Wikipedia

PLASTIC OCEAN



<http://www.gisuser.com/content/view/25761/222/>

Just where does all the junk that goes into the ocean end up? Nikolai Maximenko is trying to answer that question. Trash gathers into "garbage patches" that are too diffuse to spot from a satellite. Scientists have encountered several areas where trash collects in the ocean, but nobody is sure where all of it is. Maximenko, a senior researcher with the International Pacific Research Center, led a team that created a computer model based on ocean currents to map out where those patches will pop up a decade after trash first enters the oceans:

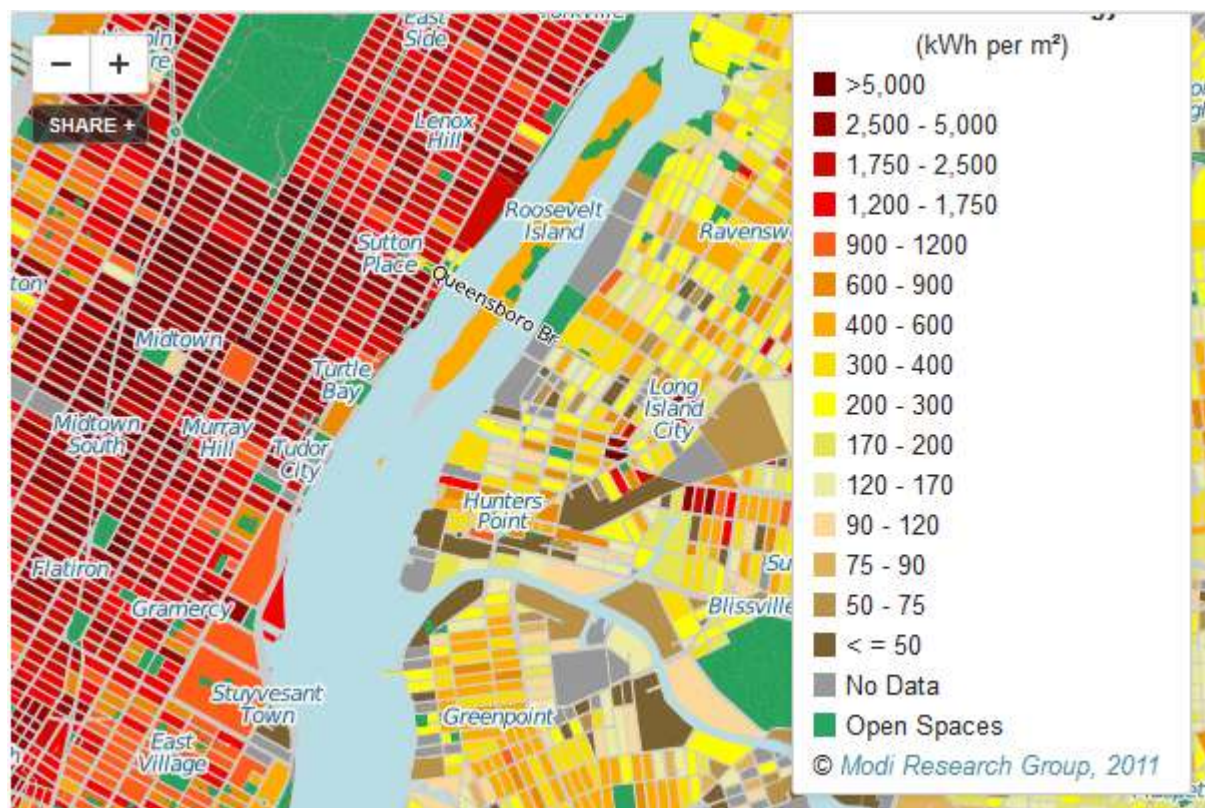


Go to link:>

http://latimesblogs.latimes.com/world_now/2012/01/just-where-does-junk-in-the-ocean-end-up.html

Mapping New York City's energy hogs

by Martin LaMonica
February 1, 2012



Columbia University yesterday released results from a mapping project that shows, block by block, how much energy buildings consume. Providing the data in a visual format makes it easier to locate buildings that are good candidates for efficiency improvements or potentially on-site energy production.

Buildings represent about two thirds of the energy used in New York City.....

Go to link:>

http://news.cnet.com/8301-11386_3-57369503-76/mapping-new-york-citys-energy-hogs/

Schools lead way on digital mapping

Thursday, February 2, 2012

BY LINH TAT

The Record

School officials (*at Fort Lee*) are hailing a new initiative that they say puts the district on the map as a trailblazer in campus security.

[Fort Lee](#) plans to become the first school system in the nation to use the MapEverywhere software, which provides detailed campus floor plans to emergency responders via a smart phone application that does not rely on Internet or Wi-Fi connections, officials said.

Maps of each school and information about explosive chemicals and potentially dangerous electrical wirings will be available on an application that police and other authorized personnel can upload during a hostage, fire or other crisis.

Instant access to such information is critical during emergencies, when a few seconds can mean the difference between a happy or tragic ending, said interim Superintendent Steven Engravalle, chairman of the technology committee for the New Jersey Association of School Administrators.

"Let's say a teacher has a heart attack," Engravalle said. "The police get the call: 'heart attack in room 218.' Now they can have [a map] on their smart device. They don't have to stop and wait and ask for directions."

Go to link:>

http://www.northjersey.com/news/138626694_Schools_lead_way_on_digital_mapping.html

Technology Innovations for Humanitarian Assistance

by Isobel Coleman
February 3, 2012



On January 4, 2012, people sit outside a house that was destroyed two years ago by the January 2010 earthquake in Port au Prince (Swoan Parker/Courtesy Reuters).

Last month, *The Global Journal* published a list ranking [the top 100 NGOs](#) in the world – an interesting, if ambitious task, with lots of room to quibble. The top ten list included some of the biggest, best-recognized NGOs in the world – like [Oxfam](#) (number 3), [BRAC](#) (number 4) and [CARE](#) (number 7). But number 10 on the list, [Ushahidi](#) caught my attention because it is a newcomer on the scene and relatively unknown. Ushahidi is a Kenyan-based NGO that calls itself a “non-profit technology company.” It has developed mapping software that is distributed for free, and can be modified by anyone. In a very rapid way, is it democratizing how information is collected, distributed, and used. Its great innovation is to leverage the resources of volunteer curators and translators to allow data, collected from basically any source, to be posted on a map in real time.

Here’s how it works:

Go to link:>

<http://blogs.cfr.org/coleman/2012/02/03/technology-innovations-for-humanitarian-assistance/>

Scotland's wild lands mapped in pioneering project

John McHale, Reporter
Thursday 02 February 2012



Scotland's wild land has been mapped in a pioneering project aimed at protecting some of the nation's most spectacular landscapes.

Scottish Natural Heritage, the Government's advisory organisation on the outdoors, worked with a team from the University of Leeds to produce the maps.

.....the SNH maps detail the whole of Scotland's wild country – a first in Europe.

Go to link:>

<http://www.grough.co.uk/magazine/2012/02/02/scotlands-wild-lands-mapped-in-pioneering-project>

Scripps Helps Google Earth Update Ocean Mapping

By [Dave Rice](#) | Posted February 3, 2012,



Tech giant Google announced a [major upgrade](#) in ocean data on its Google Earth mapping program yesterday.

For the last three years, UC San Diego undergraduates working at the Scripps Institution of Oceanography have been working to correct errors in sea floor mapping data and adding information from the National Geophysical Data Center in Boulder, Colorado.

“The original version of Google Ocean was a newly developed prototype map that had high resolution but also contained thousands of blunders related to the original archived ship data,” explained David Sandwell, a geophysicist at Scripps. “The Google map now matches the map used in the research community, which makes the Google Earth program much more useful as a tool for planning cruises to uncharted areas.”

15% of Google Earth’s oceanic images are now derived from shipboard soundings, a 50% increase over the previous version. This method of charting the sea floor is considered more accurate than the alternative, measuring via satellite. Information from 287 Scripps research expeditions over the last three decades is included.

Go to link:>

<http://www.sandiegoreader.com/weblogs/news-ticker/2012/feb/03/scripps-helps-google-earth-update-ocean-mapping/>

Discussions on Cartography

Ready to trade your heavy guidebooks for a travel app? A trip to Central Europe shows the advantages and limitations of high-tech tools

Friday, February 03, 2012,

By Alex Pulaski, The Oregonian

...what guidebooks to stuff in your backpack. There's no point in going if you don't know what you're seeing and its layers of history, and I've been known to lug pounds of paper over the Thames, up the Alps and into the Vatican.

But that was before smartphones and tablets came along. Suddenly, hundreds of guidebooks and apps are at our fingertips in the same compact package.



So for my most recent excursion, an exploration of Central Europe (Berlin, Prague, Vienna, Salzburg and Munich) I left behind the paper and loaded up on 21st century guide tools.

Like picking out a guidebook, it takes some time and thought to settle on the right apps for your destination. I ended up buying cityscouter's offline guide apps (\$3.99 each) for Berlin, Prague, Vienna and Munich.

As a basis of comparison, I also arranged for the low-tech guide option: the personal touch, via guided walks (group and private) in several of the cities. I wanted to measure those real-life guides against the advantages and limitations of high-tech tools.

Go to link:>

http://www.oregonlive.com/travel/index.ssf/2012/02/ready_to_trade_your_heavy_guid.html

Does a Google-World Bank Deal On Crowdsourcing Ask Too Much of the Crowd?

BY [Nick Judd](#) | Thursday, February 2 2012



Photo: [ToastyKen](#)

Should the commons improve Google's data on the developing world?

A World Bank representative will meet with global transparency advocates and digital mapmakers to discuss a controversial geodata deal with Google it announced in mid-January, according to an official at the bank.

Aleem Walji, practice manager of the World Bank's innovation practice, said Thursday that he would be sitting down with people from [Global Integrity](#), the anticorruption organization, and the open-source mapping group [OpenStreetMap](#) to discuss a partnership between the bank and Google that would [see the search giant's Google Map Maker tool put to use](#) in developing countries.

The World Bank announced that country offices in Kenya, South Sudan, Tanzania, Sierra Leone, Ghana, Zambia, Nigeria, DRC, Moldova, Mozambique, Nepal and Haiti will all pilot the Google-World Bank agreement.

Map Maker is a tool that allows anyone to submit improvements to the maps and geospatial data that Google has in its database by adding the locations of things like schools and hospitals to datasets that can already be used to build detailed digital mashups of roads, demographic data, and physical terrain. The partnership gives the World Bank and a list of partner organizations, including U.N. agencies, access to the underlying geospatial data in Google's possession — a boon in countries where reliable and comprehensive digital maps are difficult to come by, says Walji, who was head of global development initiatives at Google before joining the World Bank.

But the move concerns activists who rely on freely available mapping data for international development or in crisis situations because Google's terms of service still apply as normal to all the volunteers and small groups outside of the agreement. Under those terms, data submitted through Map Maker cannot be used for profit without paying a fee to Google,

Go to link:>

<http://techpresident.com/news/21709/google-world-bank-deal-ask-too-much-crowd>

Map Apps: The Race to Fill in the Blanks Google, Skyhook Wireless, and startups are mapping airports, malls, and other indoor spaces

Technology January 12, 2012



Just as MapQuest kicked off a rush to provide street-by-street navigation for Web surfers a decade ago, the race is now on to map the Great Indoors. Startups such as Aisle411, Micello, and Meridian, which worked on the Powell's app, are creating detailed digital portraits of shopping malls, airports, arenas, and other places that were once big blank spots. On Nov. 29, Google ([GOOG](#)) introduced maps for more than 20 airports, hundreds of Home Depots ([HD](#)), and every Ikea store in the U.S., all of which are now available on the search giant's Android operating system for smartphones. "This market is getting real," says Jeff Lewis, co-founder of one-year-old Guidebook, which has created maps for about 900 museums, industry conferences, and other clients.

Go to link:>

<http://www.businessweek.com/magazine/map-apps-the-race-to-fill-in-the-blanks-01122012.html>

Conferences

International and Interdisciplinary Conference on Digital Cultural Heritage

St. Dié des Vosges (France), July 2-4, 2012

The International Congress Geotunis 2012

Sixth Session

26th to 30th March 2012

Tunisia,

“The use and the applications of GIS, remote sensing and digital modeling in the field of environment and in the management of natural resources and hazards”

“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>

Open Source GIS & WebMapping

24th April 2012

The ICA Commission on Open Source Geospatial Technologies are pleased to announce "Open Source GIS & WebMapping" workshop on 24th April 2012 at 15th AGILE International Conference on Geographic Information Science, Avignon, France. The workshop is organised and run by Barend Köbben (ITC - University of Twente, Faculty of Geo-Information Science and Earth Observation).

More details at <http://agile2012.imag.fr/index.php/workshops/hands-on-qopen-source-gis-a-webmappingq>

Mercator Revisited – Cartography in the Age of Discovery

25-28 April, 2012

International conference

Sini-Niklaas, Belgium

Contact: contact@mercatorconference2012.be

www.mercatorconference2012.be

2nd International Conference and

Exhibition on Mapping and Spatial Information (ICMSI2012) and 19th National Geomatics conference" in Tehran/Iran on May 8-10.

<http://conf.ncc.org.ir>

AgriGIS 2012 - Advancing Geospatial Technologies in Agricultural Research on

10th May 2012

University of Nottingham Malaysia Campus (UNMC), Malaysia.

4th International Conference on Cartography and GIS

18-22 June, 2012

Albena - summer resort on Black Sea, Bulgaria.

International and Interdisciplinary Conference on Digital Cultural Heritage

July 2-4, 2012

St. 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

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>

Workshop on City Atlases

November 15-16,

Guangzhou (China)

<http://www.univie.ac.at/cartography/karto/project/cnra/>

National Atlases in the Formation of the Global Information Space September 13-14, Kiev (Ukraine)

<http://www.univie.ac.at/cartography/karto/project/cnra/>

The influence of SOA on Map Production and GeoBusiness

November, 19th to 23th 2012 in Vienna,
Austria.

http://www.cartography.at/icamaproductio/?Upcoming_Events

International Symposium on Service-Oriented Mapping November 22-23, Vienna (Austria)

<http://somap.cartography.at/>

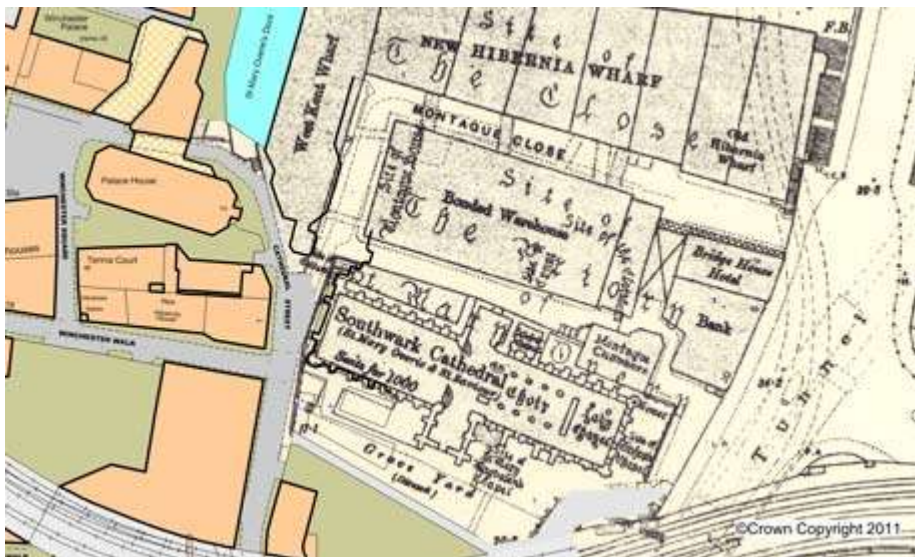
NOTE: If you are involved in a workshop, symposium or conference related to cartography please send me brief details for the newsletter.

The Value of Old Paper Maps

Past, meet present: Southwark council unites old maps and modern GIS

How a chance find of 20th century maps is providing the London borough council with vital information today

Tracey Caldwell
Guardian Professional,
Thursday 2 February 2012



Southwark cathedral is featured in a map stitched together from both modern and 20th century sources. Photograph: Crown copyright

Southwark council provides citizens with the latest mapping systems to share information and enable access to services. A chance find of 82 old paper maps presented it with the challenge of sharing that historical record with its residents too.

"I was looking through a storage area on one of the floors in the offices here, it's like a large map chest, and I found 82 large A0 map sheets. They were in imperial scale; the equivalent metric scale would be about one to 1056, which gives you a very

detailed overview, so you can see building outlines, the outline of the kerb line," says Stuart Carter, GIS manager at Southwark council.

The maps date from between 1936 and 1952 and were amended by the London county council between 1936 and 1952. They are now out of copyright and free to be published.

.....

He worked with CDR Group, a Pitney Bowes partner, to scan in the maps ready to load on to the council's MapInfo web-based mapping software. CDR scanned each of the maps in 16m colours at a resolution of 300dpi using large format scanning equipment, then cropped each image to enable them to be linked together to generate a single seamless map.

"We discovered they would join together to create an entire view of the borough, which we didn't expect," says Carter.

The cropped images were further manipulated to produce a true rectilinear image and remove the distortions in the paper map that occur over time due to paper shrinkage or stretching due to handling.

A further challenge was the reconciliation of the old and modern mapping systems. Modern Ordnance Survey mapping is based upon a Transverse Mercator projection, a set of mathematical rules designed to depict features on a 3D object onto a 2D object such as a computer screen. However, when the historic maps were surveyed, the Ordnance Survey used a Cassini projection.

The difference in projections leads to distortion when one set of maps is compared to another. What is a rectangle in a Cassini projection looks more like a parallelogram when viewed using a Mercator projection, for example.

The geographic position of each image was recorded so that when it is displayed in a GIS system, the image will appear in the correct position in relation to other modern mapping data.

"You could overlay the historic maps with modern data. So, for example, we've got data sets for conservation areas, so you could overlay the old maps with a boundary set showing the extents of modern conservation areas. There's another data set about listed buildings," says Carter.

Go to link:>

<http://www.guardian.co.uk/government-computing-network/2012/feb/02/southwark-council-gis-maps?newsfeed=true>

Amazing map offers an inventory of all the trees in the US

Jan. 16, 2012 (11:31 am)

By: Ray Walters



The full map is said to have an incredible scale: 4 pixels for every acre in the contiguous United States, according to the release. That land mass is 3,119,884.69 square miles, or about 1,996,726,201 acres. The graphic has 12,519,713 pixels (at 4457x2809) so it seems like there is an original, full-sized version is not available (or my math is wrong), but it's still quite an excellent image.

Go to link:>

<http://www.geek.com/articles/geek-cetera/map-trees-us-20120116/>