



Newsletter

Wet Season 2015

Spatialites,

It's been a few months since our last newsletter, nevertheless the Exec has been active following up on requests from members and keeping the organisation in good shape governance wise.

In November Fungis hosted a successful GIS in the Open workshop at Woodleigh Station, with several attendees who were not Fungis members - this is exactly the audience that we will be continuing to reach out to as part of our ongoing drive to increase Fungis membership.

Alistair Hart recently resigned from the Exec, having served 10 years as an Exec member and 2 years as Chair. The Exec would like to thank Al for his immense contribution, helping Fungis to promote awareness and use of spatial information technology across FNQ and beyond, and bringing his creative energy to Fungis events. Al left Fungis in the strongest financial position of its 25 year history, and I consider it an honor to have taken over from him as Chair.

In 2015 the Fungis annual conference and AGM will take place on June 4th and 5th. This year's Conference title is KISS - Keeping It Spatially Simple! KISS will be a bit different to our usual conference, with practical workshops enabling attendees to

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Editors' Corner

The editorial team needs your help in developing upcoming issues of this newsletter which we hope to deliver to you every quarter. Please send us any fun pictures and articles relating to your work in GIS. After all it is not all just in front of the computer! **We need funny stories about what people think GIS is, hair loss incidents from dealing with software and inspirational and innovative projects that you are working on, have seen online or at conferences.**

newsletter@fungis.org

Do you know???

Geographers never get lost.
They just do accidental field work.

Financial Statement

Cumulative Profit & Loss – 1 May 2014 to 31 January 2015

Income: 1/5/2014 – 31/1/15		Expenditure: 1/5/14 – 31/1/15	
<u>Admin</u> - Bank Interest	\$47.05	<u>Admin</u> - Bank Fees	\$52.75
<u>Admin</u> – <u>Paypal</u> Miscellaneous Payments	\$0.15	<u>Admin</u> - <u>Paypal</u> Fees	\$93.64
Memberships – Individual	\$950.00	<u>Admin</u> – Secretariat	\$3,920.00
Memberships – Student	\$40.00	<u>Admin</u> - Newsletter	\$114.00
Memberships – Corporate	\$450.00	<u>Admin</u> - Insurance	\$699.05
		<u>Admin</u> – Accounting Fee	\$125.00
		<u>Admin</u> – Annual Association Fee	\$46.60
		<u>Fungis</u> Website	\$3,058.00
Staying Connected Conference Registrations & Sponsorship	\$2,860.00	Staying Connected Conference Expenses	\$1,346.00
GIS in the Open <u>Wkshop</u> Registrations	\$1,520.00	GIS in the Open <u>Wkshop</u> Expenses	\$2,191.79
Conferences/Workshops – <u>FunGals</u> Breakfast	\$90.00	Conferences/Workshops – <u>FunGals</u> Breakfast	\$133.98
<u>Total Income:</u> 1/5/14 – 31/1/15	<u>\$5,957.20</u>	<u>Total Expenditure:</u> 1/5/14 – 31/1/15	<u>\$11,780.81</u>

Balance Sheet – 1/5/14 to 31/1/15

Bank Balance at 1/5/14: \$22,392.46

Paypal at 1/5/14 \$0.68

Total at 1/5/14 \$22,393.14

Bank Balance at 31/1/15 \$16,523.03

Paypal at 31/1/15 \$48.50

Total at 31/1/15 \$16,569.53

immediately try out and practise skills and techniques demonstrated in Conference presentations. In line with member feedback, we want you to be able to utilise these techniques in your day to day work.

During the KISS Conference Queensland Government representatives will talk about Queensland Globe and the data portal. You will learn about the extensive data that is available to you, at no cost, for use online or in your GIS.

Mapinfo will be presenting Stratus and Esri will conduct a workshop on ArcGIS Online, walking you through the process of creating a story map. Terrain's new portal, built on an Esri solution, will be on display. CR Kennedy will demonstrate UAVs.

Each session will be designed to walk you

“ GIS technology is kind of like Google Earth, but better. ”

-Arnold Schwarzenegger

<https://www.youtube.com/watch?v=8g>

through the process of creating the demonstrated spatial products for yourself. So bring your laptops and your data and be ready to learn! :-)

Also featured will be an open display of GIS related maps, and vendor displays for the public. And of course our vendors will be available to help you work through your GIS issues. So please invite your colleagues and friends, and book a stall with us if you have spatial products you want to promote.

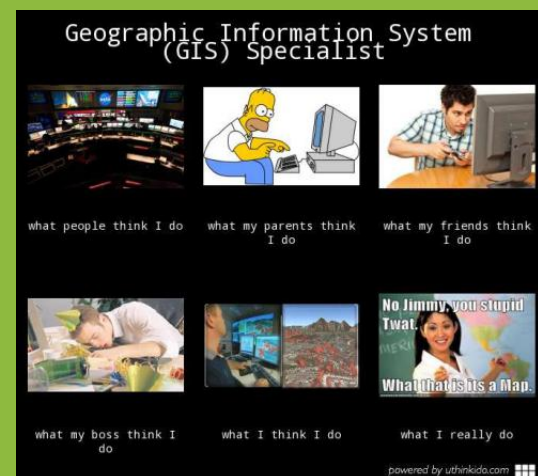
In March we are planning to hold a spatial Ideas after Dark - a simple gathering of spatialites to discuss all things spatial. We'll keep you posted on this one.



George Corea
Chair

GIS What I Do For Work

Here is a popular meme floating around the social media circles was the “what I do versus what other people think I do” meme. Eventually, someone made one for GIS. Here's the meme for GIS Specialist



GIS in the Open

by Shaun Kolmeitz

In November 2014 I had the great pleasure of presenting the “GIS in the Open” theme workshop at Woodleigh Station. The workshop took place in a casual, relaxed, friendly and open environment, which was befitting of the theme. There was time to explore the fabulous local area of the station, relax over a cold beer or two, enjoy the fabulous food and country hospitality and even get some networking in. There was plenty of time over the three days to explore a range of topics of interest that each attendee brought with them. Whether it be from a surveying perspective, field data capture and management, general map production, spatial analysis, creating your own forms or other.



During the workshop we used the Open Source GIS Software - Quantum GIS (aka QGIS) as our spatial/mapping tool. We covered a range of introductory spatial exercises in order to get more familiar with the functionality of QGIS and what it offers. Open Data was obtained from various sources in Queensland (especially the Qld Gov QSpatial site) and around the globe. With QSpatial we saw some examples of live data services such as WMS, data searching,

retrieval and downloading. Bob even took the time to capture some live field data using his GPS and we showed how easy it was to bring this data into QGIS as a layer.

A couple of more advanced topics were also covered, such as how to make custom forms without needing to resort to developing code and some nice cartographic aspects (thanks to Andrew) with fonts, labelling and general symbolisation.

Participants were given a set of freely available datasets which they could explore and use at their leisure.

Personally I think it was a great event and well worth attending and something that I think all spatial interest groups around the country should try and regularly run for its members and other would-be members. I'd like to thank the people who came and made the workshop their own platform to explore ideas and extend their skills. I'd also like to



thank the committee (and especially George and others behind the scene) for the opportunity to present and for organising the event and would gladly come back any time. If you haven't been to one, and have thought about it, do yourself a favour and go along. You won't be dissatisfied.

Cheers,

GIS News

From GISTimes.com

Google Project Tango brings consumer 3D scanning to life

Posted by: GISTimes Tags: 3d, 3D modeling, geospatial, google, point clouds Posted date: February 26, 2014 | No comment

GIS Tags

3d 3D modeling aerial photography **AeroMetric**

android **arcgis** arcgis online bing bing

maps **Blom** cloud Defence Geospatial

Intelligence DGI DigitalGlobe Erdas **ESRI**

Europe france **GEOINT** geos geoserver

geospatial **gis** GIScloud google earth

google map maker **google maps**

google street view Intergraph

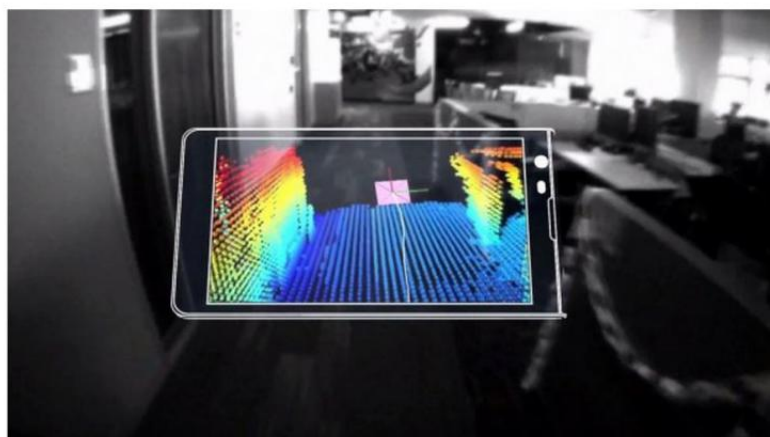
LiDAR mapsmarker mobile GIS Nokia

oldmapsonline opendata Open Source

openstreetmap osgeo qgis QuickBird

satellite satellite imagery updates webgl

worldview



Google just announced their new project called Project Tango, which basically brings us closer to a new era where the documentation of our physical world will be in our fingertips.

Google built an android phone with special sensors that allow the phone movements tracking, but that also capture the physical world around it, recording 250,000 points per second!



GIS Day

by Melanie Smith

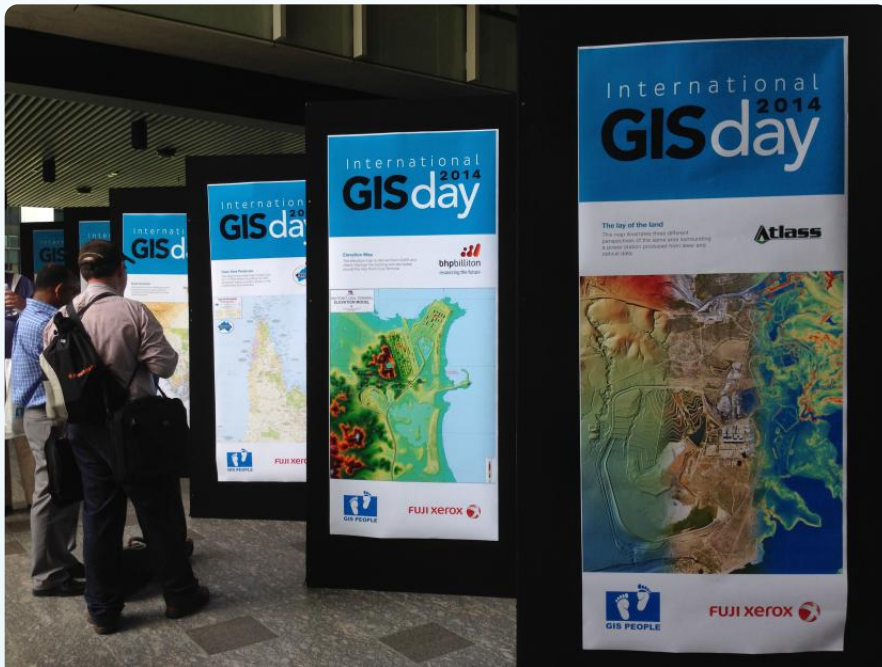


How did you spend International GIS Day?

On the 19th of November, International GIS Day was celebrated at the Gardens Point QUT Campus in Brisbane. The event was the largest GIS conference held in 2014 in Australia, with a whopping 2000 plus attendees and over 30 exhibitors.

GIS day was founded by Esri in 1999 as an annual day to celebrate and promote GIS and associated technologies as part of geography awareness week. It is a forum where users of GIS can demonstrate real world applications that are making a difference in society. (www.gisday.com)

The day kicked off with world renowned environmental scientist and SIBA Spatial Information Chair, Dr Tim Foresman, delivering the official opening. Dr Foresman was a leading scientist of NASA's digital earth initiative that established Google Earth as we know it.



The presentation timetable was back to back with a huge variety of topics. Of particular popularity was Dialog's presentation on 'Google Glass & Wearables – The Spatial Opportunity.' The google glasses are an example of augmented reality at its greatest, with the glasses allowing wearers to see directions and information as well as hearing instructions. Real world examples of how the glasses are being used included:

In medicine, where remote surgeons are ghosting their hands into a present surgeon's field of view to explain procedures.

In emergency services, where fire fighters are receiving floor plan layouts of buildings they have entered.

Alongside presentations, demonstrations were run in the aptly named 'Cube' building. The Digital Globe: World View 3 demonstration was projected onto the Cube's massive right angled two story screen. This was appropriate for the real life example of the mammoth crowd sourcing effort that the Digital Globe rallied up in search of missing Flight MH17, among other rescue missions they have assisted with.

The Map Wall was also a highlight in the Cube, with multiple interactive screens allowing visitors to scour through the Brisbane Flood mapping produced by QUT.

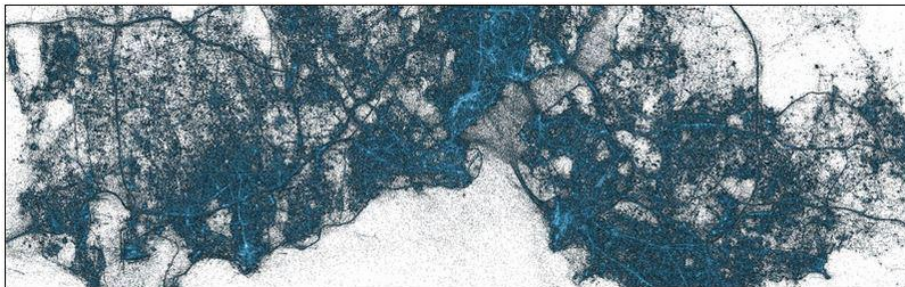
Competitions also added to the fun and interactive feel of the day. One competition required competitors to land a UAV (unmanned aerial vehicle) on a specified target. The operator of the UAV landing closest to the target scored an ION Adventure Camera.

The program was wrapped up with the Map App Hack competition finalists presenting their applications to the judges. Entrants in the competition were required to build an innovative and useful spatial app for the chance to win \$5000. 'Benchmrk' by Stephen Donaldson won over the judges in the end. His app provides users with the ability to search, locate and evaluate permanent survey marks in the field.

Overall the day was a great experience for newbies, professionals and students, with such a broad and diverse range of topics and technology. The day really proved how strong the Queensland GIS community is - definitely worth the effort of travelling down to the big smoke!

Mel Smith,
Exec member

SOURCE



A slice of Istanbul tweets, mapped

HOW-TO / MAPPING / TWITTER

TWITTER MAPPING: FOUNDATIONS

Twitter's Data Editor Highlights Challenges and Possibilities

With more than 500 million tweets sent every day, Twitter data as a whole can seem huge and unimaginable, like cramming the contents of the [Library of Congress](#) into your living room.

One way of trying to make that big data understandable is by making it smaller and easier to handle by giving it context; by putting it on a map.

October 10, 2014

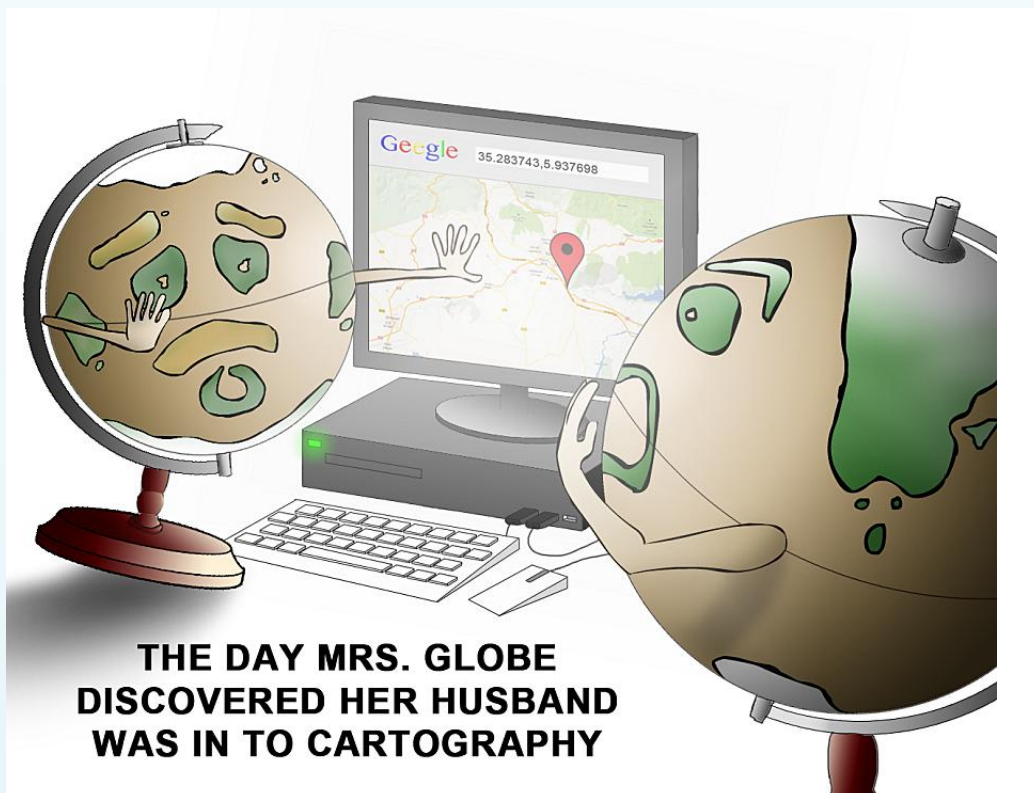
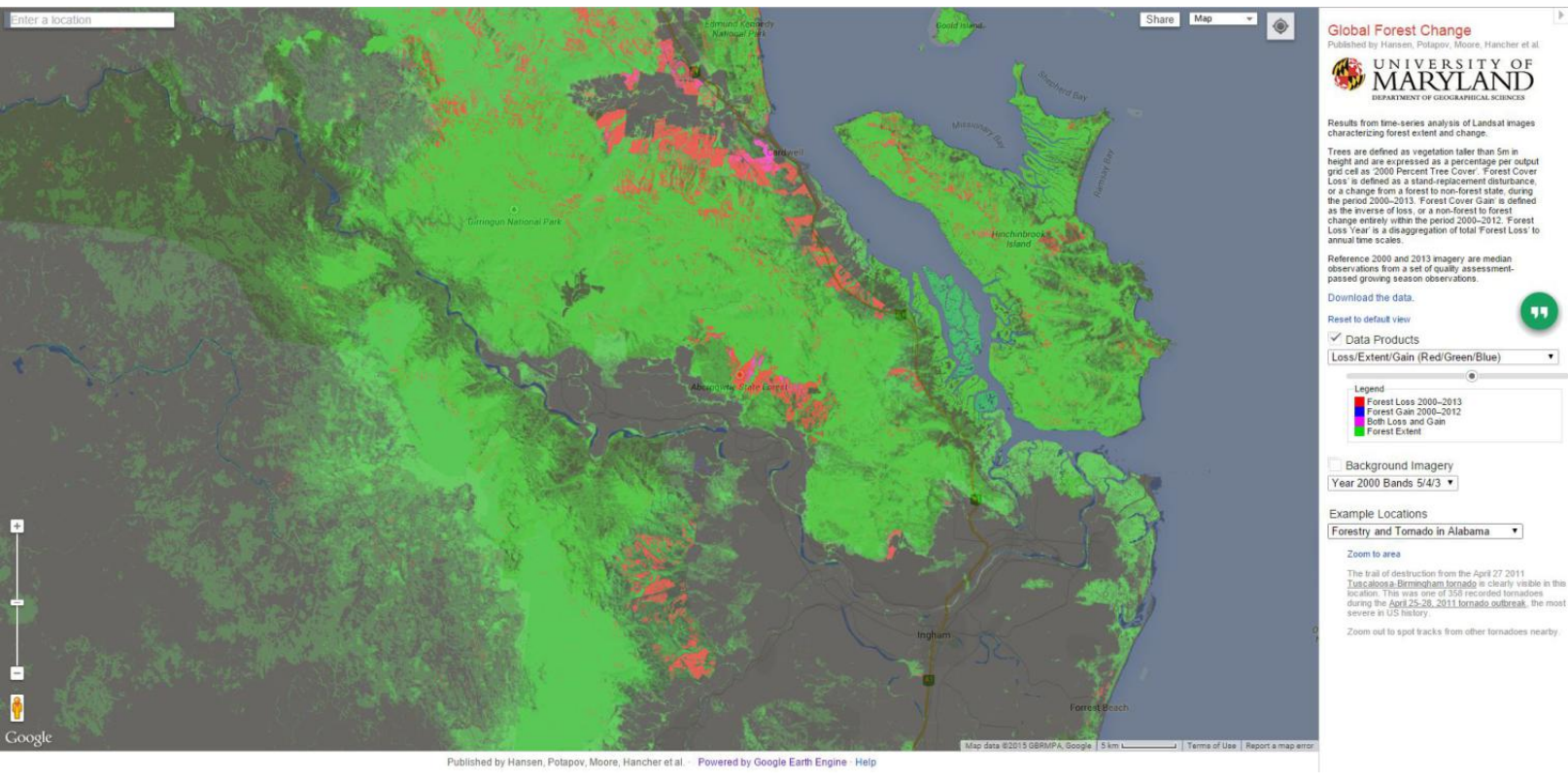
By Simon Rogers

1 Comment

People

**Please consider contributing to the website to make it
a more dynamic and interesting place for us all to gather**

Global Forest Loss - Create a map for anywhere in the world using earthengine.google.com



http://www.reddit.com/r/funny/comments/15a2qe/i_spent_ages_making_this_map_joke_i_can_tell_it/

Local Events

Spatial Ideas After Dark : Fri March 20th (evening)



At our directions forum in June and many other events, spatial professionals have indicated that they want to network more and have events that are fun and held regularly. We have thus planned Spatial Ideas After Dark. We will meet at a restaurant or pub somewhere in the area and have short 3 min pitches of what fun things we are doing with GIS -it may even be a drinking game :-)

Location: We want to have it at places that are convient for the majority. Please vote on our website by Feb 22nd

Startup Weekend Tablelands - Fri May 1st to Sunday May 3rd

#SWTablelands is a program for innovators. Do you have an idea for a service or product that you want to launch but just don't have the funds to invest in it, the time to develop the concept or test your market. Join us to not only learn how to do this but to practically build your business with as much as 200 hours of man power invested in it in 54h.

Location: Destiny Cafe, 49-57 Loder Street, Atherton. Visit www.StartupTablelands.org

"The Arc of My GIS Career"

The Arc of GIS career has brought me to some exciting places. Back in college, Grass was my gateway. I partook of it happily in the warm (Unix) Sun and was hooked. Alas, I eventually got distracted by the flashy look of Idrisi. This didn't last too long as I soon ran off with a Surfer. Eventually fate brought me the opportunity to hop aboard a big ship called ESRI for a good ten years. I have to say it was generally pretty smooth sailing with loads of amenities, however, I still ran across more than a few of those darn stowaway bugs on board.

Older and wiser, I'm now expanding my horizons some more. The recession has brought me Manifold reasons for discovering new territory, not the least of which is cost of (ahem) living. And since the internet is really the best place to be anymore (forget fixed coordinates, I can be everywhere!), I'm taking a Quantum leap, an OpenJUMP into becoming an online MapServer, GeoServer and MapBender. Got any favorite 'places' you recommend I visit? I'd love to hear about them! Hope to see you along my route – I'll be delivering lots of MapInfo on the Interwebs...

Bon Voyage and Amein!

Kelly Sparks, GIS Guru and Certified Map Geek