



mapped **Out** 2015

Showcasing the use of Spatial Data
to enhance the operation and delivery
of Government Services

Thursday 12 November 2015

Convention Centre,
Charles Sturt University, Wagga Wagga

HOSTED BY:

RivSiG
RIVERINA SPATIAL
Information Group

REROC
RIVERINA EASTERN REGIONAL
ORGANISATION OF COUNCILS



8.30 – 9.00 Registration & Coffee

SESSION ONE

9.00 - 9.15 Welcome

9.15 – 9.45 Peter Florent, Department of Human Services – *Impact of addressing standards on delivery of Commonwealth payments and services*

9.45 – 10.15 Elissa Schuhkraft, Forestry Corporation of NSW – *Mobile field data capture – The forestry way*

10.15 – 10.45 Trade Stands Panel

10.45 – 11.15 Morning Tea & Trade Stands

SESSION TWO

11.15 – 11.45 Tony Gill, NSW Office of Environment and Heritage – *Mapping changes in vegetation cover in NSW: location, timing and causes*

11.45 – 12.15 Rob Owers and Andrew Haley, Wagga Wagga City Council – *The power of mobile mapping means reduced trenching disasters for Wagga Wagga City Council*

12.15 – 12.45 Aparna Lai, National Centre for Geographic Resources & Analysis in Primary Health Care (GRAPHIC) – *Enabling Location Privacy without loss of Location Accuracy*

12.45 – 1.30 Lunch & Trade Stands

SESSION THREE

1.30 – 2.00 Peter Holt, Department of Planning & Environment – *ePlanning: Progress to date and challenges ahead*

2.00 – 2.30 Michael Haines, VANZI – *The Role of the Spatial Surveyor in Creating the Digital Built Environment*

2.30 – 3.00 Suzie Holbery and Michael Leane, Riverina Local Land Services – *Aerial Survey with 4K Ultra-HD and Radiometric infrared camera technology modernises vertebrate pest monitoring in the Riverina*

3.00 – 3.30 TBA

3.30 – 3.45 Wrap & Close

SPEAKERS AND TOPICS:

Peter Florent, Department of Human Services

Impact of addressing standards on delivery of Commonwealth payments and services

Peter is the Assistant Director, Geocoding and Spatial Team, Strategic Information Division for the Department of Human Services.

Peter's presentation will cover how the quality of addressing information managed by the Local Government Areas can and does impact on the delivery of Commonwealth payments and services to residences within Local Government Areas.

Elissa Schuhkraft, Forestry Corporation of NSW

Mobile field data capture – The forestry way

Elissa is the Spatial Systems Coordinator for FCNSW's Softwood

Plantations Division Snowy Region.

Over the last few years the Forestry Corporation of NSW has developed a Mapping app for use on iPads. The aim of the app is to provide a platform for field staff to capture data in the forest in a variety of modules that are tailored to different sections of the Organisation, eg Softwoods Planning, Hardwoods Planning, BioData surveys, Forest Health surveys and Forest Fire. The Organisation wanted to be able to use one app to collect this diverse range of data and most importantly be able to seamlessly integrate the mobile data back into their extensive GIS system. An off the shelf product was not available so the Organisation developed its own app "FCNSW map app". This presentation aims to provide an overview of the app and how it is used across the Organisation

Tony Gill, NSW Office of Environment and Heritage

Mapping changes in vegetation cover in NSW: location, timing and causes

Tony is a remote sensing scientist with the NSW Office of Environment and Heritage.

We are all affected by changes to vegetation, whether they be by natural events or land management actions. To understand their impacts, we must first know where and when these changes occur and then what is causing them.

Tony will discuss the mapping and monitoring work done by the NSW Government to understand vegetation change across the State. He will show where this information is being used to support government programs.

Rob Owers and Andrew Haley, Wagga Wagga City Council

The power of mobile mapping means reduced trenching disasters for Wagga Wagga City Council

Rob is with Parks & Recreation Assets and Andrew is a geospatial officer at Wagga Wagga City Council.

Phil, coordinator for recreation projects, is in control as he grabs his mobile



phone. He is meeting onsite with electrical contractors regarding the installation of sports ground lighting worth \$440,000. The contractor's first question is what is underground. What do we need to avoid while trenching. Phil on the spot using his phone shows where all the underground services are: power, irrigation, communications, sewer, water mains, gas, storm water drainage and irrigation control cables. The contractors are astounded that Phil can give such useful and accurate information on the spot.

ArcGIS online + mobile technology are doing their job.

Aparna Lai, National Centre for Geographic Resources & Analysis in Primary Health Care (GRAPHIC)

Enabling Location Privacy without loss of Location Accuracy

Aparna is a postdoctoral fellow at the Research School of Population Health at the Australian National University.

Privacy and confidentiality are critically important in Health Care research, therefore location is often overlooked. GRAPHIC have developed the G-Tag System, which resolves the issue of no location or bad location in health research data. This topic has implications on the development of Primary Care Service Areas. The PCSA's that this project developed are based on Postal Areas (postcodes), but would be potentially more relevant if the basic spatial building blocks were better. The G-Tag System has the potential to deliver spatial accuracy to suit research objectives rather than research having to adapt to the paucity of useful location data.

Peter Holt, Department of Planning & Environment

ePlanning: Progress to date and challenges ahead

Peter is the Manager, Legal and Policy with the ePlanning Branch of the Department of Planning and Environment.

Peter will be giving a presentation on the ePlanning program and will discuss the success of the program to date, the features and functionality of each of the tools and some discussion of the next steps, including the establishment of the NSW Planning portal later this year.

Michael Haines, VANZI

The Role of the Spatial Surveyor in Creating the Digital Built Environment

Michael is CEO of VANZI.

With the advent of 3D computer modelling tools, we now have the ability to create an integrated model of the world, comprising millions of separate models. The problem is how to know if any model is a true reflection of the real world at any time. The answer is for the surveying profession to extend their expertise in measurement and property and planning law to provide a certification service regarding 3D 'as-built' models, including their integration with the National Position and Elevation Grids, as well as the cadastre and all legal boundaries. What are the challenges? What is being done in Queensland and elsewhere? How can the local profession drive this new approach to benefit the local community and themselves?

Suzie Holbery and Michael Leane, Riverina Local Land Services

Aerial Survey with 4K Ultra-HD and Radiometric infrared camera technology modernises vertebrate pest monitoring in the Riverina

Vertebrate pests in parts of the Riverina have proven difficult to control despite considerable time and money spent over many decades. In particular, rabbits are negatively impacting stocking rates and the environment, south of the Murrumbidgee River between Carrathool and Hay. Aerial surveying of the area was adopted to definitively identify and accurately record the GPS coordinates of all rabbit warrens and use the information to strategically target control efforts to maximise effectiveness. By using this aerial platform other species of interest were mapped simultaneously, including three woodlands listed as Endangered Ecological Communities (ECCs) and the invasive weed, African boxthorn. Two 4K Ultra-HD cameras were mounted on each side to capture data. Tablet computers were connected wirelessly to monitor the video feed and record GPS trails of the helicopter track. Over an 11 day period 158,040 hectares were surveyed providing invaluable data that will be used to develop new pest management programs in the future.





REGISTRATION FORM Thursday 12 November 2015

Names of Attendees:

1:

2:

3:

Council /Organisation Details:

Address:

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Contact Person:

Phone: Fax:

Email:

Cost: \$165.00 (incl GST) per person and \$132.00 (incl GST) for the second attendee and each subsequent attendee.

Payment:

Please find attached the cheque for payment (made out to REROC). EFT also available.

Please invoice quoting Order No:

Signed:

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Please Note: Closing date for Registrations is 5 November 2015

SEND YOUR REGISTRATION TO

MAIL: REROC, PO Box 646, Wagga Wagga NSW 2650

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CONFERENCE TO BE HELD AT

Convention Centre, Charles Sturt University, Wagga Wagga

Location, Lat/Long: -35.055093 147.349251

FOR FURTHER INFORMATION

PHONE: (02) 6931 9050 **EMAIL:** mail@reroc.com.au **www.reroc.com.au**

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