



# mapped ut 2013

## Maps on the move

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

**Thursday 17 October 2013**

Conference Centre CSU Wagga Wagga

HOSTED BY:

  
RIVERINA SPATIAL  
Information Group

**REROC**  
RIVERINA EASTERN REGIONAL  
ORGANISATION OF COUNCILS



<b>8.30 – 9.00</b>	Registration / Coffee	<b>11.45 – 12.15</b>	Barrett Higman, Alpine Shire Council - <i>There's a mApp for that!</i>
<i>Session One</i>		<b>12.15 – 12.45</b>	Ron Avery, OEH – <i>Reforming NSW Vegetation Information</i>
<b>9.00 – 9.15</b>	Welcome	<b>12.45 – 1.30</b>	Lunch & Trade Stands
<b>9.15 – 9.45</b>	Elliott Simmons, SES – <i>NSW Flood Database</i>	<i>Session Three</i>	
<b>9.45 – 10.15</b>	Tony Kelly & Daniel Smith, Coolamon Shire Council – <i>Regional Transport Planning</i>	<b>1.30 – 2.00</b>	David Baker & Simon Best, Australian Bureau of Statistics - <i>Mapping Census Data</i>
<b>10.15 – 10.45</b>	Trade Stands' Panel	<b>2.00 – 2.30</b>	Robert Dahni, Bureau of Meteorology - <i>Mapping Weather Information</i>
<b>10.45 – 11.15</b>	Morning Tea & Trade Stands	<b>2.30 – 3.00</b>	James Davis, Junee Shire Council – <i>Using Spatial Data for Executive Decision Making</i>
<i>Session Two</i>		<b>3.00 – 3.30</b>	Greg Windsor, Land and Property Information – <i>LPI Web Services</i>
<b>11.15 – 11.45</b>	Professor Bruce Forster, Asia-Pacific Remote Sensing – <i>Forty years of Landsat: the Landsat Data Continuity Mission</i>	<b>3.30 – 3.45</b>	Wrap & Close

## SPEAKERS AND TOPICS:

### **Elliott Simmons**, NSW State Emergency Service

Elliott has worked as GIS Manager at the State Emergency Service since 2004.

The NSW Flood Database is a State project managed in a partnership between the NSW SES and NSW Office of Environment and Heritage. The project is identified as a priority action in the NSW Government 2021 Plan. The NSW Flood Database is designed to support both local and state government by aggregating flood mapping extents and information from local government flood studies to inform strategic-level decisions on flood risk management. The presentation will also cover NSW SES use of contemporary mobile mapping platforms.

### **Tony Kelly**, Executive Manager Engineering and Technical Services, Coolamon Shire Council

### **Daniel Smith**, Assistant Engineer and GIS Officer, Coolamon Shire Council

Transport planning at a regional level is vital for councils wanting to access competitive grants for transport solutions.

The REROC member councils are working collaboratively to develop a regional transport plan for the eastern Riverina. Initially focused on freight routes, the project is identifying economically significant transport routes and barriers to their efficient operation. Spatial data is an integral part of the project, all major routes are mapped, B Double routes identified, route constraints and modal points have been mapped. The project combines words and maps to paint a picture of transportation in the region with the goal of developing integrated transport solutions.

### **Professor Bruce Forster**, Asia-Pacific Remote Sensing

Dr Bruce Forster is a Visiting Professor and formerly full time Professor at the University of New South Wales (Surveying and Geospatial Engineering), and the Managing Director of a consulting company, Asia-Pacific Remote Sensing, which has undertaken a wide range of projects in Australia and throughout Asia.

The recent launch of Landsat 8 provides a continuous, 40 year image data set over most parts of the Earth's surface. Acquiring image data in the visible and NIR wavelengths, the data has a wide range of applications. Following a brief history of the Landsat systems, their technical differences and the source of these free images, the address will highlight the application benefits of using these data sets for change mapping with examples from forest, water and urban applications. As the images have been acquired at different times, with different sun angles and atmospheric conditions, and for early and later Landsat systems at different resolutions (60m and 30m), the processing required to link and compare the data sets and some suitable image analysis techniques, will also be briefly outlined.

**SSSI Presentation** - during the day the SSSI will make a short presentation on the work of the organisation and its current activities.





**Barrett Higman**, Alpine Shire Council

Barrett has worked for Alpine Shire Council for the past 7 years as a GIS Officer.

Tablets and smartphones are ever present in both our personal and professional lives. Who could have guessed that 13 years since selective availability was turned off that every second person would have a location-aware computer in their pocket? Local councils can and should take advantage of the situation by developing custom apps, but there are also other strategic options available that have the potential to save on development time and cost.

**Ron Avery**, Office of Environment and Heritage

Ron is the Senior Team Leader Biodiversity Information Systems, Office of Environment and Heritage.

A candid review of progress in establishing a NSW Vegetation Information System (VIS); the resources currently available, and challenges ahead. Ron will provide some insights into how to initiate and conduct a major reform agenda such as this.

The VIS has now established a catalogue of vegetation maps, flora survey database and classification database that includes a common NSW vegetation classification nomenclature for use in mapping, planning and regulatory programs. Together with the BioNet-Atlas of NSW Wildlife, the VIS is now delivering synchronised classification, condition benchmarks, threatened species and threatened ecological community data to NSW regulatory tools (e.g. BioBanking, Property Vegetation Planning and BioCertification) and to public web applications (e.g. Save our Species, and Threatened Species web applications).

Focus is now on improving the quality of the underlying vegetation information, establishing standardised native vegetation mapping, and opening up access to standardised biodiversity information through simplified data licensing and smart data delivery technologies such as web services.

**David Baker and Simon Best**, Australian Bureau of Statistics

David and Simon work in the Australian Bureau of Statistics Census Data section.

The Census of Population and Housing is the largest statistical collection undertaken by the ABS. It provides a reliable basis for broad and small area population estimates, which are used for many purposes including electoral boundaries and the distribution of government funds.

Topics covered by the Census are wide and varied including ancestry and country of birth, languages spoken, educational participation and attainment, labour force status, occupation and industry of employment and income. Census data is available through a broad range of sources. This presentation will provide an overview of the various data sources and how they can be used to map data spatially.

**Robert Dahni**, Bureau of Meteorology

Robert has been working with the Bureau for over 30 years.

This presentation will take delegates through a selection of maps on the Bureau of Meteorology's website, highlighting how spatial mapping technology has been used, or could be applied to available weather information. The presentation will focus on mapping radar and climate data, with an introduction to MetEye, the Bureau's new interactive web-based weather viewer.

**James Davis**, Junee Shire Council

James is the General Manager at Junee Shire Council

Does this sound familiar? Information driven solutions generally escape the deserving eye of the executive team. Why? Is it that such technology is seen as an officer level tool, is it the IT department being committed to textual databases, or software limitation – or could it be that your executive hasn't seen a spatial response to an executive level issue? Junee Shire Council has recently implemented a new GIS product and instigated mandatory training for all staff who are linked to a PC or mobile device. That training invited staff to be early adopters in developing ways to support organisational outcomes. This case study provides a sneak peek into that experience and what early benefits have been accomplished.

**Greg Windsor**, Land and Property Information

The presentation will cover the latest updates in the delivery of LPI spatial services through SIX maps, CORSnet NSW and imagery programs.





## REGISTRATION FORM Thursday 17 October 2013

### Names of Attendees:

1: .....

2: .....

3: .....

Council/Organisation Details: .....

Address: .....

.....

Contact Person: .....

Phone: ..... Fax: .....

Email: .....

**Cost \$132.00 (incl. GST) per person for the first 2 attendees then \$110.00 (incl. GST) for each person after that.**

### Payment:

☐ Please find attached the cheque for payment (made out to REROC).

☐ Please invoice quoting Order No: .....

Signed: .....

Dated: .....

**Please Note:** No credit card or EFT payments accepted. **Closing date for Registrations is 11 October 2013**

### 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](mailto:mail@reroc.com.au)

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