

Tasmania.....	Michael Giudici	<i>ICSM Chair</i>
Australia – civilian.....	Simon Costello	<i>ICSM Deputy Chair</i>
Australia – civilian.....	Gary Johnston	
Australia – Defence (AHS).....	Zarina Jayaswal	
Australian Capital Territory .....	Jeff Brown	
New South Wales.....	Narelle Underwood	
New South Wales.....	Wayne Patterson	
New Zealand .....	Mark Dyer	
Northern Territory .....	Rob Sarib	
Queensland.....	Russell Priebbenow	
South Australia .....	Michael Burdett	
Victoria.....	Craig Sandy	
Victoria.....	Amelia Chapman	
Western Australia .....	Annaliese Walster	
Western Australia .....	Murray Dolling	

## Minutes

ICSM Executive Officer ..... Lesley Waterhouse

## ICSM Administration

The next ICSM meeting will be held 31 October and 1 November in Melbourne.

### ICSM Committee Members:

This was the last meeting as Chair for Michael Giudici. The committee thanked Michael for his contributions and leadership of ICSM during his tenure, and he will continue to be active in the management of ICSM as Deputy Chair until 2019. Simon Costello will be the ICSM Chair from 1 July 2018.

ICSM also welcomed Jeff Brown as the ACT representative, he already has close involvement with ICSM through attendance at prior meetings and until recently, being the ACT ANZLIC delegate.

## FSDf – Sponsorship

ANZLIC endorsed the Discoverability & Consumability Roadmap at its November 2017 meeting. (ICSM had endorsed this roadmap in October 2017). The purpose of the roadmap was to outline steps to improve the discovery, access and ease of use of all datasets registered within FSDf-LINK.

Invitations have been sent to form the membership of the Metadata Working Group. This group is now being constituted and will hold its first meeting by the end of June 2018. The working group will focus on providing best practice support and advice on metadata. This will involve documentation that will help Jurisdictions implement standards and practices more consistently.

Calls for membership for a taskforce to look at improving the symbology, ontologies, datums, naming conventions, vocabularies for roads data was sent via PCTI in 2017. This taskforce is yet to be established.

### Usage of FSDf-LINK

Since the launch of the FSDf-LINK platform in April 2017 there have been over unique 6.5K users and increasing amounts of traffic. Usage analysis using Google Analytics shows that the predominant usage is over Monday to Friday and between 10am-4pm. This suggests that these users are professionals seeking information. There is also another group of users who appear to be active in the evenings, which is interpreted as educational or student usage. Analysis of user activity shows that many people are seeking information through interacting with the Agency page and then going to data pages. This indicated that people are using FSDf-LINK as a means to find and access Jurisdictional data, using the Agency page to filter their searches. Interestingly, the Mandates and Use Case pages receive a lot of traffic, indicating that users

are reading information on the purposes of how and why data is used. Users are spending on average 3.5 minutes on the FSDf-LINK website reading information, in comparison users spend around 2 minutes on the ICSM website.

Additional functionality is being added to the underlying LINK platform, in particular the ability to track progress of dataset improvements and reporting.

## ICSM Committees

### Permanent Committee on Addressing (PCA)

Normative code list and governance framework pilot agreed to which will be presented by PSMA at next face to face PCA meeting in October 2018.

### Permanent Committee on Cadastre (PCC)

**3D Cadastre** - At its meeting in Canberra, in November 2017, PCC decided that a major emphasis of its future work would be in relation to 3D Cadastre. To further explore this topic, a workshop was held in Melbourne on 14 February 2018. A range of issues were identified in relation to 3D Cadastre to be further explored and assessment of any relevant business cases for further research.

The PCC and ICSM are supporting research projects that are being conducted by CRCSI:

(a) Fenceline detection from high resolution imagery, for DCDB upgrade. This project is progressing well, with results looking promising.

(b) Functions, Benefits, and Optimum Accuracy for Upgraded Spatial Cadastres in Australia & New Zealand. A two-day workshop was held in Melbourne in Feb 2018 to develop this work. A final report is expected by mid-June.

(c) Impact of the Dynamic Datum on the Cadastre The first two stages of this project – impact assessment and transition tasks – have been completed. These phases have focused on NSW, Phase 3 will now confirm the phase 1 and phase 2 findings for NSW with other jurisdictions.

(d) A modern definition of property This project is examining the community's perspective(s) of the concept of property as it relates to the occupation and use of land. While there are many situations in which 'land parcel' and 'property' can be used interchangeably, there are many examples where they cannot (e.g. a house on two adjoining land parcels; a house and a flat on the same land parcel).

A significant amount of work has been done on articulating the concept, largely based on information gathered in NSW and ACT. As this has been a larger task than anticipated, ICSM endorsed (out of session) a change in the budget allocation between the first and second phases. The second phase will now involve more targeted discussions with other jurisdictions to validate/refine the concept.

Ongoing discussion of the ePlan WG and the DCDB WG needing to become one WG or more aligned in view of the progression and integration of electronic lodgement of survey data and the need to integrate it directly into the DCDB.

### Permanent Committee on Geodesy (PCG)

In December 2017, the Minister for Resources and Northern Australia, the Hon Matt Canavan officially released GDA2020. This new reference frame will ensure that positioning data from global navigation satellites such as GPS is aligned to spatial datasets, with benefits for industries and applications that rely on accurate positioning.

A range of products and services developed by Geoscience Australia, PCG and the GDA Modernisation Implementation Working Group were also made available in December including:

- A website to transform data using FME Cloud
- An ICSM GitHub repository with spreadsheets, software and data
- GDA94 – GDA2020 transformation grids for use in software (e.g. ESRI)

- AUSGeoid2020 model; first Australian geoid model to provide location specific uncertainty associated with the ellipsoid to AHD conversion.

GeodesyML V0.5 is near complete and V0.4 is in production. GeodesyML is The Geodesy Markup Language (GeodesyML) is a standard way of describing (encoding) and sharing geodetic data and metadata. By mapping your database to GeodesyML, when your data is shared with others, it is easy for the user to discover and combine with other data. It will soon be available on the GeodesyML website [www.geodesyml.org](http://www.geodesyml.org). GeodesyML has been endorsed by the International GNSS Service as the recommended way to transfer GNSS metadata via web services. GA has also developed an application which allows users to update their site metadata (<https://gnss-site-manager.geodesy.ga.gov.au/>).

Geoscience Australia continues to work towards the implementation of the National Positioning Infrastructure Capability (NPIC) Strategy. This strategy recognises that Australia is the only developed continent without access to a high-integrity (trusted and reliable) satellite positioning capability (i.e. a Satellite-Based Augmentation System or SBAS). The strategy further acknowledges that Australia's network of global navigation satellite tracking infrastructure that supports high accuracy positioning is disparate, unstandardised and not optimal.

As a component of NPIC, Geoscience Australia is leading a test project of a Satellite-Based Augmentation System (SBAS) for the Australasia region. An SBAS will overcome the current gaps in mobile and radio communications and, when combined with on-ground operational infrastructure and services, will ensure that accurate positioning information can be received anytime and anywhere within Australia and New Zealand.

The two-year project will test two new satellite positioning technologies including next generation SBAS and Precise Point Positioning, which will provide positioning accuracies of sub-metre and five centimetres respectively.

#### **Permanent Committee on Place Names (PCPN)**

New portal for the Composite Gazetteer of Australia is live. Metadata and help files are being refined before it is formally released. Formal release date and a promotion/communications plan will be determined at the PCPN meeting in September 2018.

PCPN's work on the Feature Classification Review and the Composite Gazetteer of Australia was demonstrated as part of Graham Hammond's presentation at Locate18.

#### **Permanent Committee on Topographic Information (PCTI)**

Elevation on ELVIS Infrastructure has continues to grow at approximately 20% a month. This infrastructure is now on track to deliver ~40,000 orders per year of elevation data to users. All jurisdictions that have open elevation data are now collaborating and contributing to the infrastructure ( NSW, ACT, QLD, TAS) and GA is work through adding indexes of the other jurisdictions (WA, NT, VIC) to allow the discoverability of their data. We estimate over 50 million dollars' worth of investment into collecting open elevation data is now available on the website