

Stakeholder Engagement

At the March 2021 ANZLIC meeting, ANZLIC members received presentations from the Surveying and Spatial Sciences Institute (SSSI) and the Space & Spatial Industry Growth Steering Committee.

Surveying and Spatial Sciences Institute (SSSI)

SSSI presented to ANZLIC members on SSSI's current skills and capability service offerings and their plans to address skills shortages and grow spatial capabilities in the surveying and spatial sectors.



SSSI will continue to deliver the following skills and capability services as a priority:

1. Online delivery of Continuing Professional Development and learning – last year SSSI delivered 60-70 webinars. These were well received.
2. Mentor programs – SSSI's current mentor program targets new graduates, however they are looking to create a new mentor program targeting professionals with 6-12 years' experience.
3. Enhanced certification across all disciplines – SSSI are looking to further strengthen certification through exploring micro-credentialing opportunities with Universities and training providers.

In order to address the current skills shortages in the surveying and spatial sectors, SSSI will:

1. Increase their focus on young people by targeting vocational and tertiary entrants and getting them to engage with space and spatial,
2. Encourage the certification of future leaders by supporting professionals in their careers so that people are retained rather than leaving,
3. Create a career development framework, and
4. Introduce more micro-credentialing opportunities.

Moving forward ANZLIC will continue to work with SSSI to leverage SSSI's spatial skills and capability initiatives available at both a jurisdictional and national level. This will enable ANZLIC to progress the short and long term outcomes for the skills and capability initiative identified in the [ANZLIC Strategic Plan 2020-24](#).

Space and Spatial Industry Growth Steering Committee

Dr Peter Woodgate, Chair of the Space and Spatial Industry Growth Steering Committee, presented to ANZLIC members on the development of [2030 Space and Spatial Industry Roadmap](#). The roadmap is being developed to:

1. Highlight the strategic importance of a strong Australian space and spatial capability.
2. Identify the critical characteristics of such a capability.
3. Outline the steps required to realise an integrated space and spatial eco-system that will be a key national asset.
4. Identify industry growth opportunities and propose actions to grow the space and spatial sectors.

A broad consultation process is planned across the space and spatial sectors. Respondents will be encouraged to be creative and ambitious, i.e. "think big".

As a member of the 2030 Space and Spatial Industry Growth Steering Committee, ANZLIC is well positioned to participate in the development of the 2030 Space and Spatial Industry Roadmap. This involvement is an activity against the Space and Spatial Integration key initiative in the [ANZLIC Strategic Plan 2020-24](#).

Place Names

ANZLIC members from the Northern Territory and Tasmania have taken great strides towards achieving their dual place naming initiatives.

On 21 March 2021, under a draft version of the newly developed engagement framework for aboriginal place naming, a major beach in the Northern Territory was renamed to Bundilla Beach (meaning young girl in the Larrakia language). The beach was a traditional place for young women/young girls. Ministers were in attendance at the renaming ceremony.



Image: 21 March 2021, Darwin Lord Mayor Kon Vatskalis, Planning Minister Eva Lawler and Kootji Raymond at the Bundilla Beach renaming ceremony. (ABC News: Peter Lacey).

In Tasmania, a tranche of names has been prepared for government consideration. Tasmania's revised [Aboriginal and Dual Naming Policy](#) was released in 2019. The Aboriginal and Dual Naming Policy process now provides for an improved and consistent framework for engagement across the indigenous community, including a dedicated Aboriginal and Dual Naming Reference Group of experts in Aboriginal languages to provide advice on Aboriginal naming proposals.

Disaster Management and Response

ANZLIC members from South Australia, Tasmania, Western Australia and New South Wales provided updates on initiatives being undertaken in their jurisdictions to enable better disaster management and response.

In South Australia, a coordinated flood hazard mapping and assessment project for greater metro Adelaide will be undertaken. The result will be consistent contemporary flood data in step with other jurisdictions.

In Tasmania, work is underway to renew the current mapping portal provided to emergency services for all hazards response.

In Western Australia in October 2020, the Emergency Services Minister announced a program to contract aircraft with line scan imaging capability to be deployed during emergency incidents. Western Australia has since partnered with their Department of Fire and Emergency Services to operationalise the resulting imagery. The data has been integrated into the [Landgate FireWatch application](#) so data is processed and analysed in real time (within two minutes of capture). This capability has been used recently during the floods in the Kimberley and fires in Western Australia.

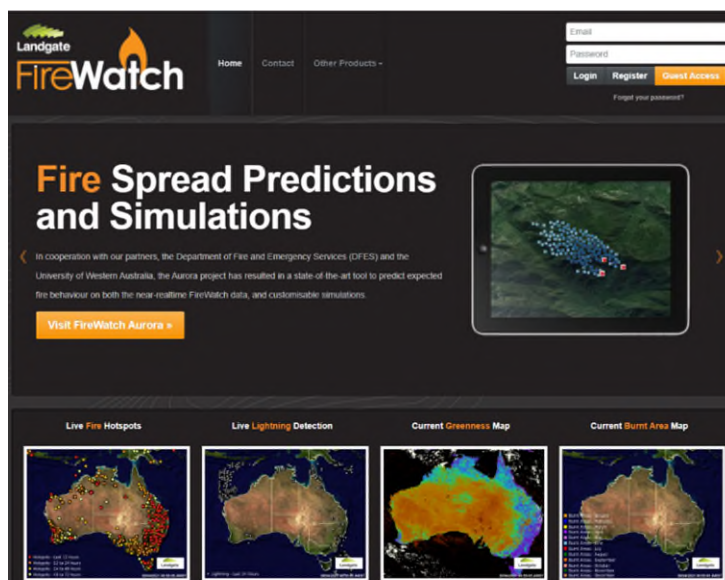


Image: Landgate FireWatch application.

In New South Wales, investigations are underway to create automated APIs enabling self-service access and delivery of data, e.g. automated imagery and elevation data capture processing and distribution for use in flood response and recovery efforts.

To address a common recommendation identified in the bushfire reports at both the jurisdictional and Commonwealth level, a time limited Intergovernmental Committee on Surveying and Mapping (ICSM) Telco Asset Data Working Group has been assembled to expedite a national approach for access to spatially enabled Telco Asset Data.

Australian/New Zealand 3D Cadastral Survey Data Model and Exchange programme

The Intergovernmental Committee on Surveying and Mapping (ICSM) and Land Information New Zealand (LINZ) announced on 22 February 2021 that SURROUND NZ Ltd will lead the development of an Australian/New Zealand 3D Cadastral Survey Data Model and Exchange (3D CSDM) programme. The 3D CSDM work programme aims to create a widely adopted standard across Australia and New Zealand for exchanging digital cadastral survey data between the survey industry and government land administration agencies.

The project has two primary objectives:

1. To develop a harmonised data model that covers all cadastral survey data components across all New Zealand and Australian jurisdictions. This includes both 2D and 3D elements.
2. To identify options for encoding and exchanging the data in the model in liaison with survey software vendors.

The work is planned for completion by early 2022.

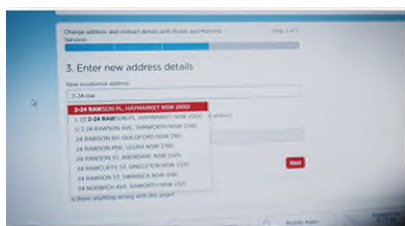
This contract for 3D cadastre will place Australia and New Zealand in a good position to realise the future of spatially enabled digital twins.

NSW Whole of Government Address Management Platform

The Department of Customer Service, NSW delivered a presentation to ANZLIC members on their whole of government address management platform.

The NSW address management solution consists of three pillars:

1. NSW Point – an automated address validation service which is embedded into government agency application forms,
2. Service Point – an integrated location based reporting system which uses NSW Point information to provide near real-time location based reporting in a way that protects privacy, and
3. Bulk address validation – a solution to enable the clean up of addresses that have already been captured but not validated and geocoded.



Images left to right; NSW Point, Service Point, and bulk address validation solutions.

This whole of government address management platform is being used to deliver the NSW Government's Dine & Discover initiative. Dine & Discover is a recent strategy designed by the NSW Government to help stimulate the economy following COVID-19 lockdowns, providing vouchers to the public for dining/entertainment. NSW Point is the engine behind Dine & Discover to ensure that vouchers are delivered to a recipient's place of residence.

As at 25 March 2021, Service Point indicated 648,000 customers have received their Dine & Discover vouchers. At its peak, NSW Point was used to process 3,000 customers per hour and 500 transactions per second, which shows the reliability of the service.

After three years the Department of Customer Service, NSW have 107 production users of their whole of government address management platform. This equates to 11 million API calls per month.



With the exception of the ANZLIC logo, any material protected by a trade mark and where otherwise noted; this work is licensed under Creative Commons Attribution 4.0 International licence (CC BY 4.0)
© Commonwealth of Australia (Department of Industry, Science, Energy and Resources)