Case Study

Our Water

Drawing on the success of the Waterlive app, the NSW Government foresaw a need to open up their broad information resources to a wider audience.

The Our Water website uses interactive mapping to provide a state-wide or local perspective of how water resources are managed and protected by the government in a clear and accessible format. Underpinning the website are cloud-based geospatial platforms that process complex data into readily understood map outputs. As a result, the website is able to share near real-time information with NSW residents regarding surface and groundwater.

> "When it came to marrying technology to the simple needs of both the community and government, Spatial Vision was able to work with us to develop our App and website under tight timeframes and deliver a fantastic pair of products. Their ability to work with us, take our needs and come up with innovative approaches and make it happen was the primary reason we were able to deliver the products to the satisfaction of the NSW government""
>
> **Bruce Cooper**
> Deputy Commissioner, Water Resources Assessment & Management, NSW Office of Water

Customer Profile

www.water.nsw.gov.au

Company

NSW Department of Primary Industries

Location

New South Wales

Industry

Government

Product

Our Water Website

Solution

Developing an interactive, visual way of efficiently presenting the state's water resources data to NSW residents.

Benefits

- Enable residents and stakeholders including farmers, canoeists, journalists, academics to find and comprehend detailed, near-real time data about the state's regional water resources and resources relevant to their location

- Informs the general public about the investment that NOW makes in understanding, monitoring and managing state's water resources.

The Solution

The solution to this problem was to develop an interactive, visual way of efficiently presenting the state's water resources data to NSW residents. Spatial Vision, a leading specialist in information and communication technologies, worked with NSW Government to understand their information resources and audience to design and build the website.

Key to the solution was the enthusiasm Office of Water staff to provide their ideas and knowledge. Spatial Vision worked with staff to clarify and prioritise their input to create a design for the website and to populate the content.

Where practical, the design uses dynamic mapping to provide the user with interactive or location aware options to present water resource information. The underlying spatial data is complex and voluminous. The solution relies on two cloud-based platforms to present spatial information. The cloud-mapping platforms are Esri's ArcGIS online and CartoDB. Each of these technologies has different elements and strengths. The Our Water website combines the strengths of these two technologies.

As it was expected that the website would grow in size as more information became available, it is was critical to adopt a technology that catered for expansion and maintenance of the application. Spatial Vision adopted the Joomla, a free and open-source content management system (CMS). Joomla is mobile ready and offers a huge range of templates that enable the deployment of sophisticated websites without the expense of extensive html coding. Importantly, the CMS would cater for significant growth of web content.

The Benefits

- Our Water offers a highly interactive way of experiencing water resources information in NSW, using a combination of videos and maps to unlock the data and enable residents to obtain a detailed, near-real time view of their state's water resources.
- Dynamic mapping content maintained by Office of Water.
- Website flexible enough to support continual growth in content and functionality.

Transform your static reports and complex data into engaging websites that will reach more people.

Get in touch.