

## Webwaves



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### A guide to the ASEG Website for non-ASEG Members

The *Webwaves* column is written mainly by the ASEG's Webmaster and it is designed to inform readers of web-related developments as they relate to the ASEG. Recent columns have focussed on data security, how the site, [aseg.org.au](https://www.aseg.org.au), is used and by whom, and other columns have addressed agility and site additions. The ASEG's website is overseen by a committee of four who work with the site's developers (SpringDigital) to maintain and improve the site. The current site is the ninth version since 1999, and uses images contributed by Members in a photo competition. This edition of *Webwaves* highlights general aspects of the website that may be of interest to non-ASEG Members.

Some areas of the website, such as those related to the technical journal, *Exploration Geophysics*, purchasing Special Publications and the Society's

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annual wine offer are restricted to ASEG Members. However, much of the site, like *Preview*, is freely available to the general public in order 'to promote the science of geophysics, and specifically exploration geophysics, throughout Australia'. Of course, websites can be navigated using many devices from many locations

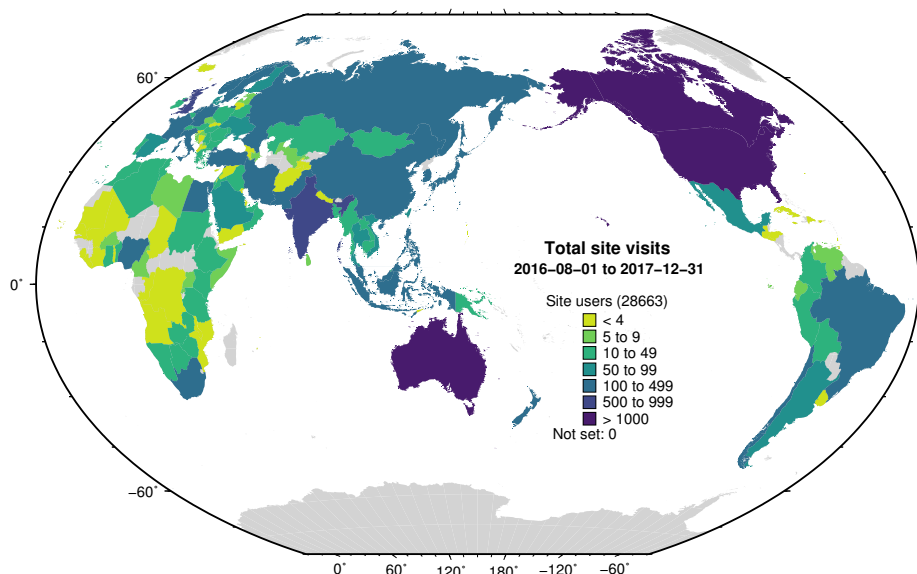
throughout the world. Figure 1 shows site visits by country since the website's launch at the ASEG's 25th International Conference and Exhibition in Adelaide in 2016. Naturally, site visits are dominated by Australia, but there are significant levels of access from other English-speaking countries. It is also apparent that the site has been accessed from much of the world, partially reflecting the ASEG's second largest Branch: International Members. In Australia, most access is from Perth, then Melbourne, Sydney and Brisbane. Two international cities (Lagos and Santiago) appear in the top 10 cities.

Mostly the site is used to access information about the current conference as well as the ASEG's Technical Journal; *Exploration Geophysics*. The ASEG's History Committee is active and their work documenting the evolution of the Society since its founding in 1970 includes documenting the ASEG's formation (<https://www.aseg.org.au/about-aseg/aseg-formation>) and the history of geophysical education in Australia (<https://www.aseg.org.au/about-aseg/exploration-geophysics-education>). Other reasons to access the site are to renew<sup>1</sup> membership (<https://www.aseg.org.au/members/overview>), catch up on news and events and a number of ASEG initiatives. Some of

these initiatives are the maintenance of a contractor database, maintenance of a repository of equipment manuals, course material and videos. The remainder of this column focuses on these initiatives.

The ASEG's Contractor Database is designed to help find geophysical contractors throughout the world. An initial list, which was compiled by Pat Kineen and Ken Witherly, has been extended and is updated on request. Currently in the final stages of a major redesign, it should help the geophysical community identify contractors by method and location. The contractor database can be accessed at <https://www.aseg.org.au/employment/contractor-database>.

Although geophysical instrumentation is in a constant state of development and refinement, much use is made of historical data. Often reports contain high-quality data that can be digitised and incorporated in modern interpretations. However, without metadata such as transmitter and receiver parameters, it is not possible to model such data without resorting to trial and error. Manuals for equipment used to collect historical data can be of critical importance to using these data and saving reacquisition costs. Equipment manuals are available at <https://www.aseg.org.au/equipment->



**Figure 1.** Cumulative site access by country between August 2016 and December 2017. Nearly every country in the world is represented. Site access is dominated by Australia, the USA and Canada, and there is significant access from other countries in areas of active geophysical exploration such as Africa, South America and South East Asia.

<sup>1</sup>Or join!

**manuals-brochures.** Somewhat related to historical data is the online equipment museum (<https://www.aseg.org.au/equipment-museum>), which provides photos and brief descriptions of a number of historical instruments.

Workshops are an integral component of ASEG conferences providing up-to-date information on geophysical exploration. Post-conference, this material is often lost even though it may be of interest to the general community. The same is true for ASEG-sponsored seminars. Therefore, with the permission of workshop and seminar convenors, the ASEG has begun to make material presented at conference workshops and seminars available to the general public who were unable to attend these sessions. Currently, presentations from nine workshops and seminars are available at <https://www.aseg.org.au/workshop-proceedings>.

The final, more recent initiative concerns videos. Currently the site provides access to five videos. Three of these are from a session at the 2015 ASEG conference, while a fourth was excerpted from an ASEG-sponsored workshop. The final video was taken at a branch technical night and webcast live internationally. Because this allows Members who were not able to attend the technical night access to material, the ASEG hopes to expand the number of such videos in 2018. ASEG Videos can be accessed at <https://www.aseg.org.au/aseg-videos>.

This column has attempted to provide an overview of the ASEG through its website, and the publicly available sections. We look forward to new visitors, and hope that they see enough value to join the ASEG (<https://www.aseg.org.au/members/overview>).



## Senior Geoscientist – Geophysics & Data Stewardship

- **Role Type:** 3 year term
- **Location:** Maitland

The Geological Survey of NSW is a division of Department of Planning & Environment and a custodian of a large collection of geophysical data from across the state. These data include airborne magnetics, radiometrics and ground gravity data acquired by governments since the 1970s, as well as open-file airborne, ground and downhole data submitted by private companies. The Senior Geoscientist – Geophysics and Data Stewardship is a member of a small team responsible for acquisition, processing, modelling, interpretation, compilation and archiving of these data. The geophysical data contribute to the Geological Survey's mission to improve the geological understanding of the state and provide geoscience information for explorers and decision-makers. The role requires expert knowledge of magnetic and gravity data, a focus on data quality and fitness-for-purpose, and strong data compilation and cataloguing skills.

The preferred candidate will be a geoscience professional with broad experience in geophysical data acquisition and processing, familiarity with modelling and inversion software, and proficiency in compiling data, harvesting metadata and maintaining databases. You will have a sound knowledge of potential field geophysics as well as understanding the geological significance of geophysical features. The role requires an ability to work collaboratively with strong teamwork and communication skills. An understanding of electromagnetic and electrical geophysics would be advantageous.

If you have the capability to achieve success in this role and are interested in creating a more prosperous NSW we would love to hear from you!

**Applications Close: Sunday 25 February 2018**

Applications must be lodged electronically. Please go to [iworkfor.nsw.gov.au](http://iworkfor.nsw.gov.au) and search Job Reference Number 00005R38.

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