

# QGIS

## User Friendly, Open Source Geographic Information System



### Key Features

- Intuitive Desktop GIS
- Open Source Application
- No licencing costs
- Commercial support packages available
- Training available
- Multi-Platform - supports Microsoft Windows, Mac OS X, Linux & Unix
- Supports all OGR/GDAL formats including ESRI SHP & MapInfo TAB formats
- Supports PYTHON Plugins
- Integrates with SQL2008, SQLite, PostGIS & PostgreSQL

### Free your GIS

QGIS is a versatile, easy to use and fully functioning desktop GIS, which you can download and start using today.

The application offers a real alternative to traditional vendor based licencing for desktop GIS software.

QGIS contains all the features spatial professionals would expect in a desktop GIS including the import of data from multiple sources, on-the-fly reprojection, digitising, editing, data analysis, WMS & WFS, database connectivity and intuitive map production.

There is a large library of plugins available containing additional toolsets that can further enhance the application. Users also have the option to create additional functionality by developing their own plugins.

QGIS is currently being embraced by a variety of industries across Australia and around the world, including State & Local Government, Environmental agencies and the Minerals & Resources sector.

### Integration with MS SQL 2008

QGIS now fully supports native read/write access to Microsoft SQL Server 2008/2012 spatial. DMS was a key sponsor of this functionality which is now available to the entire QGIS user community.

Users are now able to load data into QGIS from any MSSQL Server 2008 spatial database for view, enquiry and editing in a native MS SQL Server spatial format.

### QGIS Functionality

As a fully functioning desktop GIS, QGIS supports all standard desktop GIS functionality as well as many advanced capabilities:

#### Data Import:

- Vector, raster, WMS or WFS layers
- Database (i.e. MSSQL2008, PostGIS, SpatialLite)
- OGR/GDAL formats

#### Analysis:

- Huge variety of tools for vector and raster spatial analysis
- Access to plug-in repository
- Ability to customise

#### Map Production:

- Easy to use, intuitive map composer
- Create map/print templates for organisational use
- Add map image resize and rescale
- Add map compilation elements including scale bar, title, legend, north arrow, marginalia, labels
- Add attribute data
- Add images and shapes
- Export as image, pdf, svg

### Testimonial

*"Working in local government I was always looking for a real alternative to the expensive big-name GIS software, without compromising on features and quality. I found it. It's QGIS!"*

- **Andy Bates**

- Business Analyst - GIS

- City of Armadale



Download the latest version for free from the QGIS website.

[www.qgis.org](http://www.qgis.org)



## Use Cases

### Department Environment and Conservation, WA

DEC is a state government agency in Western Australia responsible for protecting and conserving the State's environment. Previously, staff at DEC have predominately used vendor based GIS for all desktop GIS requirements. With reduced budgets, higher operating costs and an increase in the number of staff requiring GIS on their desktop, DEC decided to investigate the feasibility of implementing alternative desktop GIS solutions based on open source. Since adopting QGIS it has proven to provide the map creation and analysis functionality required by many GIS staff and is now being embraced by departments throughout the organisation. Many of the previously developed custom scripts have been ported over to Python scripts to run in QGIS. QGIS is increasingly becoming the GIS desktop system of choice across the organisation and is now increasingly promoted with ongoing in-house staff training.

### Arbor Centre, WA

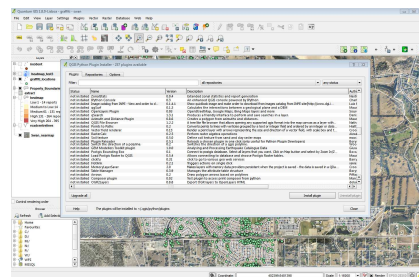
Shane Gosselink, Manager of Projects and Systems for Arbor Centre, has been using QGIS since the beginning of 2012. Arbor Centre is a Perth based Arboricultural Consultancy working in the fast growing Environmental sector. QGIS has proven to be an excellent fit for the desktop GIS requirements of the Arbor Centre, particularly when compared to the vendor options that require expensive software licencing models and ongoing maintenance fees. Shane is now an active member of the QGIS user community having attended the QGIS 2 day training course.



## Plugins

QGIS supports the ability to add custom functionality via Plugins. Plugins can be written by QGIS developers as well as other independent users who want to extend the core functionality of the software. Plugins can then be made available in QGIS for all users to access. There is currently an extensive library of plugins that can be accessed directly from within the QGIS user interface.

For example, the Atlas plugin allows the creation of map books and the OpenLayers plugin allows users to embed Google, Yahoo and Bing maps or OSM layers.



## Commercial Support

DMS now offers support packages to allow organisations to include the QGIS technology in their work environments with confidence. Phone and email support is managed via our centralised online support centre, ensuring rapid response to any support queries.

## Australian User Group Forum

The Australian QGIS User Group has been established to assist users in connecting with other local users. We encourage you to join the conversation at:

<https://sites.google.com/site/ausqgis/>



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## QGIS Training

Digital Mapping Solutions are now running regular QGIS training across Australia and New Zealand.

The two day introductory course covers the following topics.

- User interface and basic tools
- QGIS projects and preferences
- Coordinate Reference Systems and On-The-Fly (OTF) projection
- Map navigation and QGIS tools
- Vector map objects: Adding, deleting & modifying
- Attribute data: Field editing & modification
- Layer manipulation
- Digitizing
- Styles and labelling
- Object manipulation: Combine, split & buffer
- Registering raster imagery
- Creating layouts for printing
- Utilising WMS and WFS Web Services
- Plugins

For the latest course listings please visit our website.

Customised and flexible training options are available, including on-one training and train the trainer solutions.

Please contact us by email to register.

[info@mapsolutions.com.au](mailto:info@mapsolutions.com.au).

## Need more information?

To find out more about QGIS & our training services, please contact us on our details below.

### PHONE 1300 669 973

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