



GeoSpatial
Training Services

Webinar: A Brief Introduction to QGIS

E-Learning for the GIS Professional – Any Time, Any Place!

geospatialtraining.com

Housekeeping

- Webinar duration
- Recording
- Audio quality
- Questions

Webinar Outline

- Intro to QGIS
- Demonstration
- Comparison
- Going further

About Me

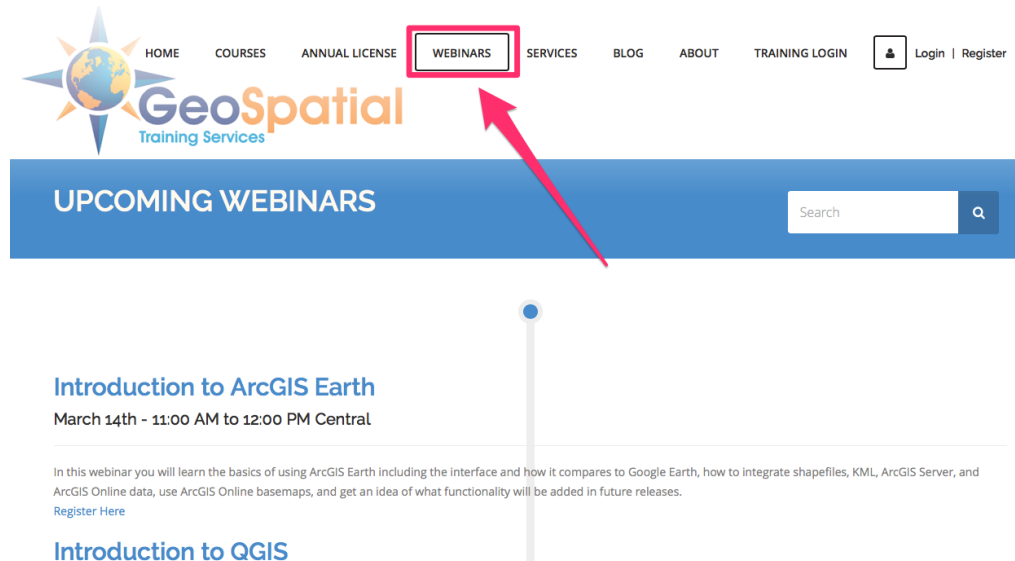
- 10 years GIS experience
- Developer -> geographer
- Background mostly ArcGIS
 - ArcGIS Server
 - ArcGIS Server API for JavaScript
- Open source web mapping frameworks



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Other Webinars

- Introduction to AppStudio
 - April 25th 2016
- Watch this space!



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UPCOMING WEBINARS

Search

Introduction to ArcGIS Earth

March 14th - 11:00 AM to 12:00 PM Central

In this webinar you will learn the basics of using ArcGIS Earth including the interface and how it compares to Google Earth, how to integrate shapefiles, KML, ArcGIS Server, and ArcGIS Online data, use ArcGIS Online basemaps, and get an idea of what functionality will be added in future releases.
[Register Here](#)

Introduction to QGIS

QGIS

- QGIS is the most popular open-source desktop GIS tool
 - User-friendly
 - Lots of functionality
 - Cross-platform: Windows, Mac OS X, Linux, BSD, Android (experimental)
 - Supports many vector, raster and database formats
- Developed by the Open Source Geospatial Foundation (OSGeo)
- Licensed under the GNU General Public License (GPL)
- Constantly being developed
 - Latest release is 2.12.3
 - Long term support version is 2.8.6

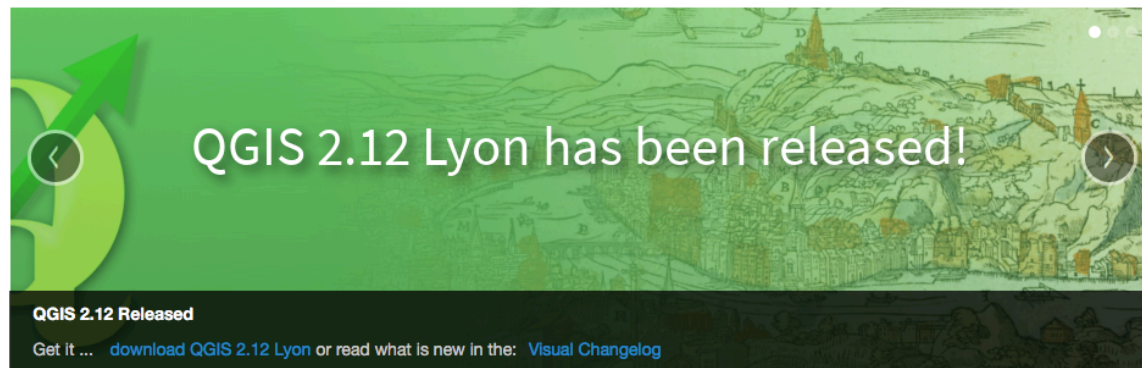


Getting QGIS

- Visit <http://www.qgis.org>

QGIS

A Free and Open Source Geographic Information System



Create, edit, visualise, analyse and publish geospatial information on Windows, Mac, Linux, BSD (Android coming soon)

For your desktop, server, in your web browser and as developer libraries

Download Now

Version 2.12.3
LTR Version 2.8.6

Support QGIS

Donate now!

Versions

- Windows
 - Self-contained .exe
- Mac
 - Download from <http://www.kyngchaos.com>
 - Install dependencies first (GDAL, Matplotlib)
- Linux
 - Choose appropriate packages for your distro or
 - Add QGIS repos to your package manager



DEMONSTRATION

How Does QGIS Compare?

- “Faster and more intuitive”
 - No licence validation – startup 8 secs vs 36 secs
 - Codebase newer
- “Less available operations and algorithms, geoprocessing”
 - Can use GRASS, SAGA or R for more complex analyses
- “Support is better!”
 - Docs are just as good
- “Does not support complex types like topologies, networks, etc”
- “Some operations are not as streamlined”

New Features Comparison

New in ArcGIS 10.3

- Advanced Digitising – Provides tools like parallel, perpendicular, locked angles etc.
- Map frame rotation – Not just limited to the Layout/Composer
- Embedded Heat Map Style
- Group Layer Styles (QLR) – Save groups of layers and their styles
- PostGIS performance improvements – BIG improvements!
- Updated legend styling – More options for expressions & display
- New function editor – Create your OWN functions!

New in QGIS 2.8

- Buffer tool – Now has planar AND geodesic options
- Spatial Join – Now has geodesic options
- Conversion Toolbox has “From PDF” – Currently only supports from PDF to Tiff
- Data management Toolbox, Create Raster Type
- Data management Toolbox, Diagnose Version Metadata
- Data management Toolbox, Diagnose Version Tables
- Data management Toolbox, Repair Version Metadata
- Raster Mosaic Toolbox, Apply Block Adjustment
- Raster Mosaic Toolbox, Analyse Control Points
- Raster Mosaic Toolbox, Append Control Points
- Raster Mosaic Toolbox, Compute Control Points
- Raster Mosaic Toolbox, Compute Tie Points
- Spatial Analyst Toolbox, Viewshed 2 – uses geodesic methods
- Server gets mxd to WebMap

Find Out More

- Discover QGIS
 - <http://www.qgis.org>
- Blogs
 - <http://planet.qgis.org>
- Geospatial Training
 - Courses: <http://www.geospatialtraining.com>
 - Blog: <http://www.geospatialtraining.com/blog-2/>
 - "Introduction to QGIS course" commencing May/June



What's Coming Up?

- Webinars
 - <http://geospatialtraining.com/upcoming-webinars/>
- Courses
 - May 4th – Introduction to ArcGIS Earth (Live/Online or 9 May in Phoenix, AZ)
 - Mar 31st – Programming ArcGIS with Python Workshop (Live/Online ... also dates in Phoenix, San Jose, Alaska)
 - Apr 13-15th Introduction to ArcGIS I: Fundamentals (Live/Online)
 - Many, many, more ...
- Visit <http://www.geospatialtraining.com>
- Use discount code “**webinar**” when checking out online to save 20% if you register for a class by the end of the day

Questions

- Any questions about the upcoming webinar series?
 - Yes, each webinar will be recorded for later viewing.
- Questions after the webinar?
 - Questions about Geospatial Training
 - eric@geospatialtraining.com
 - @gistraining on Twitter
 - Questions about QGIS
 - mark@appswithmaps.net
 - @gisapps on Twitter

