

## OpenLayers Training

**Duration** | 1 day | 9.15am – 5pm

**Prerequisites** | Experience of creating simple web pages, GIS software and JavaScript.

**Cost** | £500 ex VAT

### Course Overview

OpenLayers is an open source JavaScript library for displaying map data in web browsers. It provides an API for building rich web-based mapping applications. GeoExt provides a suite of customizable widgets and data handling support that makes it easy to build applications for viewing, editing, and styling geospatial data.

This one day course will introduce attendees to OpenLayers and GeoExt. Attendees will learn how to create browser-based map applications and display data from a variety of sources. Anyone interested in web mapping is encouraged to attend, but familiarity with basic GIS concepts is suggested and experience with JavaScript is preferred, as is experience of creating simple web pages.

### Modules

#### Welcome to **miso**

- Course overview, resources and amenities

#### Introduction to open source

- Open software
- Open standards
- Open data
- Introduction to OpenLayers

#### Working with Layers

- Web Map Service (WMS) layers
- Layer parameters
- Layer projection
- Cached tiles
- Proprietary layers e.g. Google Maps
- Vector layers

#### Creating a map

- Library loading
- Markup
- Style declarations
- Map initialization code

#### Map controls

- Pan and zoom
- Layer switcher
- Scale bar
- Overview map
- Selecting tools

#### GeoExt

- Creating a floating map window
- Markup, initialization code and configuration objects
- Creating popups e.g. feature information

Check availability at [www.misoportal.com](http://www.misoportal.com).

Or contact us on **0121 232 8000** if you need any advice about our courses.