

USE OPEN SOURCE DATA

TRAINING OBJECTIVES

A lot of data is now available for free and in Open Source on the web. They can feed into your GIS.

At the end of this training, participants will be able to:

- Understanding Open Source
- Have a view of the available data providers
- Retrieve and use open source data
- Learn how to use an API



TARGET AUDIENCE

Anyone with a background in geographic information systems who wants to manipulate spatial data through a widely used free and open source program



PREREQUISITE

Know how to use a computer under MS Windows

Coming to training with your own laptop and having GIS software to visualize exercise data (QGIS for example). Preferably on Windows



EDUCATIONAL RESOURCES

Digital course material given to the trainee (with concrete cases, practical exercises, technical sheets)

Evaluation questionnaires and certificate of completion of training



DURATION > 0.5 days



REGISTRATION

Email > formation@arxit.com

Consulting us for accessibility for people with disabilities

PROGRAM

INTRODUCTION

What is Open Source?

Is it necessarily free?

DATA PROVIDERS AT A GLANCE

Global Data Providers

National Data Providers

Various vector data providers

Elevation Data Providers

Miscellaneous raster data providers

DATA FORMAT AND TECHNOLOGY

Overview of the formats used in GIS

What is a web API and how do I use it?

USE THE OPEN STREET MAP API: OVERPASS

Overpass Language

Make your first requests

The PBF format

USE THE MAPS OPEN API

What is a Duck DB?

Recover Data

