

MapInfo Level 1 and QGIS Discover

Desktop GIS software – Initiation

OBJECTIVES

This training allows you to create, edit, view and publish geographic information under two (2) GIS desktop softwares : **MapInfo Professional and QGIS**. At the end of this internship, participants will be able to:

- Understand the fundamentals of geographic information
- Administrate, represent and organize GIS datasets
- Integrate external databases by join to make graphic selections and SQL queries
- Set up thematic analysis by range of values, proportional symbols
- Perform simple geoprocessing (cutting, intersection, union)

PUBLIC

Everyone who wants to discover MapInfo Professional and QGIS, handle, organize, represent and analyze cartographic datasets.

BACKGROUND

Basics in computing science and IT technologies.

ORGANISATION

Duration: 5 days

Number of trainees:

- Open course = 15 people
- On site = 10 people

Types of training:

- Open-course (Kenya)
- Individual (France)
- On site in your country

Location:

- Open course: Nairobi - Kenya
- Individual: La Rochelle - France
- On site: to be defined

Training certificate: yes

Loan of a temporary software license:
yes



In collaboration with 2D3D.GIS
Official French GIS training center



AUTHORIZED
Training Center



TRAINING CONTENTS

Reminders on GIS and Geographical Information (GI)

- The Geographical Information
- Coordinate systems, projections, Vector, Raster data, webservice
- Data suppliers & GIS applications

Getting started with MapInfo and QGIS

- MapInfo: general description and preference tools
- Data connection, graphic selection, attribute and statistical data, bookmarks, measure a distance or an area, save a project

Representation and publication of GIS datasets

- Graphic semiology, Labels
- Thematic analysis
- Build a layout with MapInfo and QGIS, print and export a map

Joins and data interrogation

- Database joins and SQL query
- Data export

Data creation (digitalization)

- Create a Vector layer (shapefile format)
- Draw new geometries in a layer (drawing tools, points, lines, polygons)
- Update attribute datasets

Spatial analysis with MapInfo and QGIS

- Create a buffer area, intersection, clipping of layer
- Group of geometries and attributes

Raster and DEM data management with QGIS

- Create a terrain map
- Extract contour lines, hillshade and slope map