MapInfo Professional

Desktop GIS software – Initiation and Advanced

OBJECTIVES

This training allows you to create, edit, view and publish geographic information under MapInfo Professional. 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 geoprocessing (cutting, intersection, union)
- Advanced layers symbology and rules
- Advanced database connexion

PUBLIC

Everyone who wants to master MapInfo Professional, 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, webservices
- Data suppliers & GIS applications

Getting started with MapInfo Professional
- 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, 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
- Create a buffer area, intersection, clipping of layers
- Group of geometries and attributes

Raster management
- Georeferencing raster imagery

Advanced queries and SQL selections
- Know how with SQL queries
- Filter information, Column updates
- Link 2 tables (dynamic), crossing SQL queries on 2 Mapinfo tables
- Grouping data
- Advanced SQL language and queries (attributes and spatial)

Advanced digitalization
- Advanced creation of vectorial data (MAPCAD)
- Verification of data

CAD and external database
- Import and structure AUTOCAD datasets (DXF / DWG)
- How MapInfo handles external relational database (Microsoft Access, PostGIS)