

GIS TO CARRY OUT ENVIRONMENTAL IMPACTS STUDIES



CF-49 3 Days (21 Hours)

Description

Theory and legal context of environmental impact studies, practical place of GIS in concrete cases,

Who is this training for ?

For whom

Employees, students, job seekers called upon to carry out environmental impact studies.

Prerequisites

None.

Training objectives

- Optimize the use of GIS in each stage of the impact study
- Master GIS sufficiently to organize your work and be operational to carry out environmental impact studies,

Training program

1er jour/Théorie

- Legal context of the impact study: The main principles of environmental law, Environmental institutions, The law applicable to spaces and species, The fight against pollution and nuisances , Environmental protection.
- Impact studies and development of S.I.G.: Technical aspects of the impact study, The INSPIRE directive, Metadata, Place des S.I.G.
- The environmental data: Proprietary data, Free data, State of recovered data, Repositories.

2eme jour/Pratique sur un cas concret

- Step 1: Initial state: WMS, WFS and OLE DB connections to databases, Importing tables: links and relationships, Consulting data: queries, Importing images: georeferencing, Thematic analyzes , Labels, Layout and environmental semiology.
- Step 2: Inventories: Specifications, "GPS" solutions and nomadic GIS, Integration of "GPS" data into a GIS.

3ème Jour/Pratique sur un cas concret (suite)

- Step 3: Analysis and Interpretation: Digitization of new entities, Geoprocessing (buffer zones, division of entities, etc.), Thematic analyses.*
- Step 4: Ecological sensitivity and prioritization of issues, Addition of information in the attribute tables (sensitivity levels, etc.)
- Step 5: Avoidance or compensation measures, GIS, decision support tool.