

# ARCGIS - EXTENSION SPATIAL ANALYST

## SPATIAL ANALYSIS ADVANCED LEVEL

### PEDAGOGICAL OBJECTIVES

This course is designed for people wishing to manipulate Vector and Raster data in advanced mode for spatial analysis of territories.



#### TARGET AUDIENCE

GIS technicians, engineers, researchers



#### PREREQUISITES

Basic GIS skills and/or ArcGIS Pro Level 1



#### TEACHING RESOURCES

Software license provided: no

Digital training material given to trainees (with concrete examples and practical exercises)

Evaluation questionnaire and end-of-training certificate



**DURATION** > 2 days (14h training)



**RATES** > On quotation



#### TERMS AND CONDITIONS

No pre-selection required  
Dates to be agreed



#### REGISTRATIONS

Email > [formation@arx.it](mailto:formation@arx.it)  
Tel. > + 33 (0)5 46 34 07 71

For disabled access, please contact us.

### CONTENTS

#### SPATIAL ANALYST EXTENSION FUNCTIONS

Spatial analysis in Raster and Vector mode

Terrain analysis

Surface analysis

Raster calculation

The Raster model and GRID format

#### GRID HANDLING

Add a grid to your map

Querying a grid

Create a layer automatically from a selection (value calculator)

Create a histogram

Identify cells

Reclassifying a grid

#### SURFACE ANALYSIS

Create a slope grid

Create a grid of altitude isolines

Create a shading grid for better data visualization

Micro-relief enhancement

Calculate an exposure grid

Define a sunny zone based on azimuth

#### CALCULATING DISTANCE, COMBINING AND WEIGHTING VALUES

Grid reclassification (slope, land use, etc.)

Combining and weighting values

#### COST DISTANCE CALCULATION

