

# AI APPLIED TO IMAGERY IN ARCGIS

MAXIMIZE YOUR RESULTS USING ARTIFICIAL INTELLIGENCE

## PEDAGOGICAL OBJECTIVES

The aim is to enable participants to master the use of the main AI tools in ArcGIS.

The knowledge acquired will be put into practice through object classification and extraction.



### TARGET AUDIENCE

General public



### PREREQUISITES

Basic computer skills, knowledge of ArcGIS



### 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

> 1 j. (7h training)



### RATES

> On request



### TERMS AND CONDITIONS

No pre-selection required

Dates to be agreed



### REGISTRATIONS

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For disabled access, please contact us.

## CONTENTS

### IA APPLIED TO IMAGING

- Theoretical aspects
- ArcGIS tools overview

### PUTTING IT INTO PRACTICE

#### Land use classification

- Discover the deep learning environment
- Overview of available models
- Use of a model available for soil classification on data
- Analysis of results

#### Extraction of building rights-of-way

- Issues & challenges of model training
- Understanding data requirements
- Setting up a training corpus
- Training a simple model
- Tracking and analysis of training curves
- Use of the resulting network and analysis of results
- Basic elements of metrics

