

ArcPy

Automatizarea fluxurilor de lucru folosind ArcPy

Ionuț Alixăndroae

ialixandroae@esri.ro

Pregătire

- <http://pro.arcgis.com/en/pro-app/arcpy/main/arcgis-pro-arcpy-reference.htm>
- www.esri.com/training/Bookmark/PK8GUK69A

ArcPy in ArcGIS Pro

ArcGIS Pro

[Home](#)[Get Started](#)[Help](#)[Tool Reference](#)[Python](#)[SDK](#)[Community](#)

ArcPy / Get started / What is ArcPy?

[Python in ArcGIS Pro](#)[The Python Package Manager](#)[Run stand-alone scripts](#)[Debug Python code](#)[The Python window](#)[Python migration from 10.x to ArcGIS Pro](#)[▼ What is ArcPy?](#)[What is ArcPy?](#)[A quick tour of ArcPy](#)[Essential ArcPy vocabulary](#)[Importing ArcPy](#)[➤ What is the ArcGIS API for Python?](#)

What is ArcPy?

ArcPy is a Python site package that provides a useful and productive way to perform geographic data analysis, data conversion, data management, and map automation with Python.

This package provides a rich and native Python experience offering code completion (type a keyword and a dot to get a pop-up list of properties and methods supported by that keyword; select one to insert it) and reference documentation for each function, module, and class.

The additional power of using ArcPy is that Python is a general-purpose programming language. It is interpreted and dynamically typed and is suited for interactive work and quick prototyping of one-off programs known as scripts while being powerful enough to write large applications in. ArcGIS applications written with ArcPy benefit from the development of additional modules in numerous niches of Python by GIS professionals and programmers from many different disciplines.

Related topics

- [Essential ArcPy vocabulary](#)
- [A quick tour of ArcPy](#)
- [Importing ArcPy](#)
- [Python in ArcGIS Pro](#)
- [ArcGIS API for Python](#)

Pagina Esri Training

✕🔍🔖

Search tips

FILTER BY:

All GIS Capabilities

All Products

All Learning Formats

☐ Available with maintenance ☐ Free training

VIEW: **Grid** | List

SORT: Relevance ▼

20 Results | Items Displayed 30 ▼

Web Course

🕒 3 Hours, 30 Minutes

Python for Everyone

Learn fundamental Python concepts and be introduced to the Python scripting environment in ArcGIS. Tips and techniques to help you master proper Python syntax, script flow, and error handling are presented.

⋮ In Progress

FREE

View Details

Web Course

🕒 3 Hours

Python Scripting for Geoprocessing Workflows

Increase your productivity by creating Python scripts to automate ArcGIS geoprocessing tasks. You will learn to work with ArcPy, the Esri-developed site package that integrates Python scripts into ArcGIS Desktop.

✅ Completed

🔒

View Details

Training Seminar

🕒 60 Minutes

Creating Python Toolboxes Using ArcGIS 10.1

Created August 30, 2012
At ArcGIS 10.1, geoprocessing toolboxes and tools can be created with Python. This seminar demonstrates how toolboxes authored with Python make it easier to

⊕ Wish List

🔒

View Details

Web Course

🕒 1 Hour

Training Seminar

🕒 60 Minutes

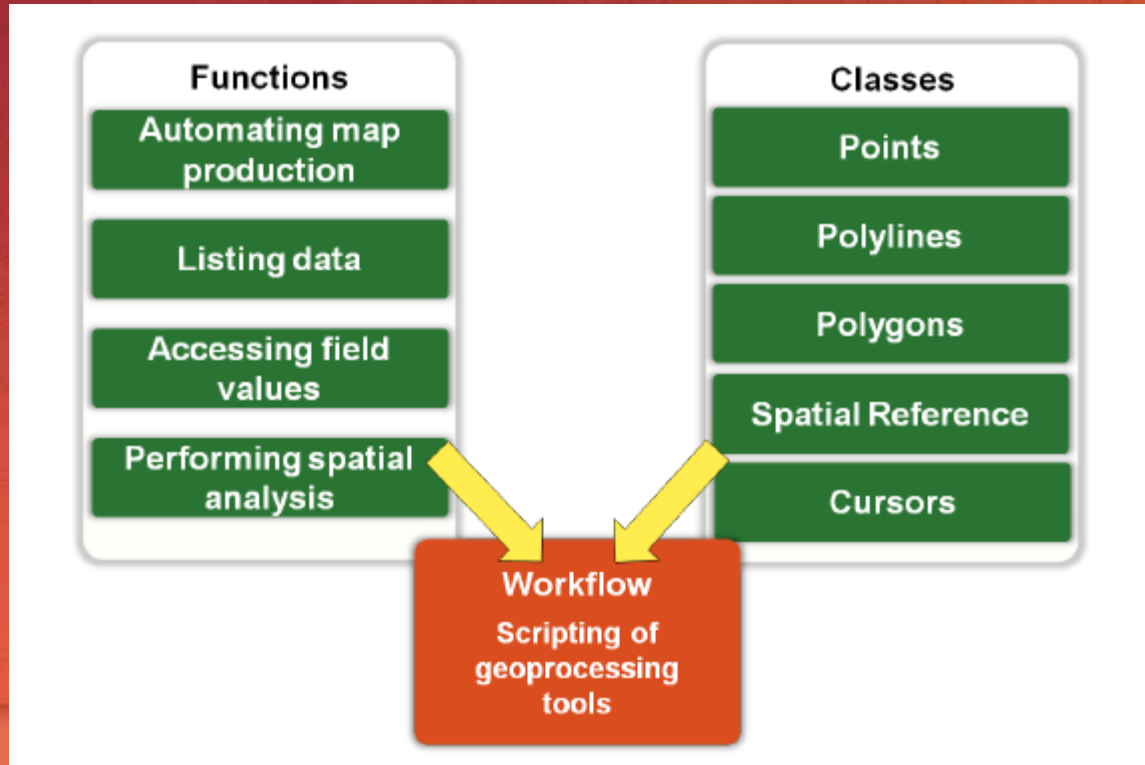
Video

🕒 59 Minutes

API, privire de ansamblu

<http://pro.arcgis.com/en/pro-app/arcpy/main/arcgis-pro-arcpy-reference.htm>

Funcții și clase



Module

Site Package
`import arcpy.mapping`
Module

ArcPy modules available in an ArcGIS for Desktop install

ArcPy module	Import/access	Description
Data Access module	<code>arcpy.da</code>	Provides classes and functions for working with data. There is support for converting to/from NumPy arrays and edit sessions, along with support for versioning and replication workflows.
Mapping module	<code>arcpy.mapping</code>	Functions and classes for automation of map document (.mxd) management.
Network Analyst module	<code>arcpy.na</code>	Provides helper functions and classes for working with and automating workflows in the Network Analyst extension.
Spatial Analyst module	<code>arcpy.sa*</code>	Provides access to the Spatial Analyst extension functions and operations.
Time module	<code>arcpy.time</code>	Useful classes and functions for working with time deltas and time zones. Can be used in place of the Python datetime module.

Site Package
`from arcpy.sa import *`
Module


Tool
`Slope()`



```
import arcpy
from arcpy.sa import *
arcpy.CheckOutExtension("spatial")
arcpy.env.workspace = "C:/MyData/MyProject.gdb"
ras1 = Slope("elevation", "DEGREE", 0.3043)
ras2 = "SolarRadiation"
outRAS = (Raster(ras1) + (Raster(ras2)))
arcpy.CheckInExtension("spatial")
```

Fluxuri de lucru

https://github.com/ialixandroae/arcpy_webinar_esriro

 This repository Search Pull requests Issues Marketplace Explore

ialixandroae / arcpy_webinar_esriro

Unwatch 1 Star 0 Fork 0

[Code](#) [Issues 0](#) [Pull requests 0](#) [Projects 0](#) [Wiki](#) [Insights](#) [Settings](#)

Cod sursa pentru webinarul ArcPy [Edit](#)

[Add topics](#)

2 commits


1 branch

0 releases

1 contributor

Branch: master New pull request

Create new file Upload files Find file Clone or download

 ialixandroae Add files via upload Latest commit 02c3c88 a minute ago

Arcpy Webinar.py

Add files via upload

12 seconds ago

README.md

Initial commit

3 minutes ago

README.md

arcpy_webinar_esriro

Cod sursa pentru webinarul ArcPy

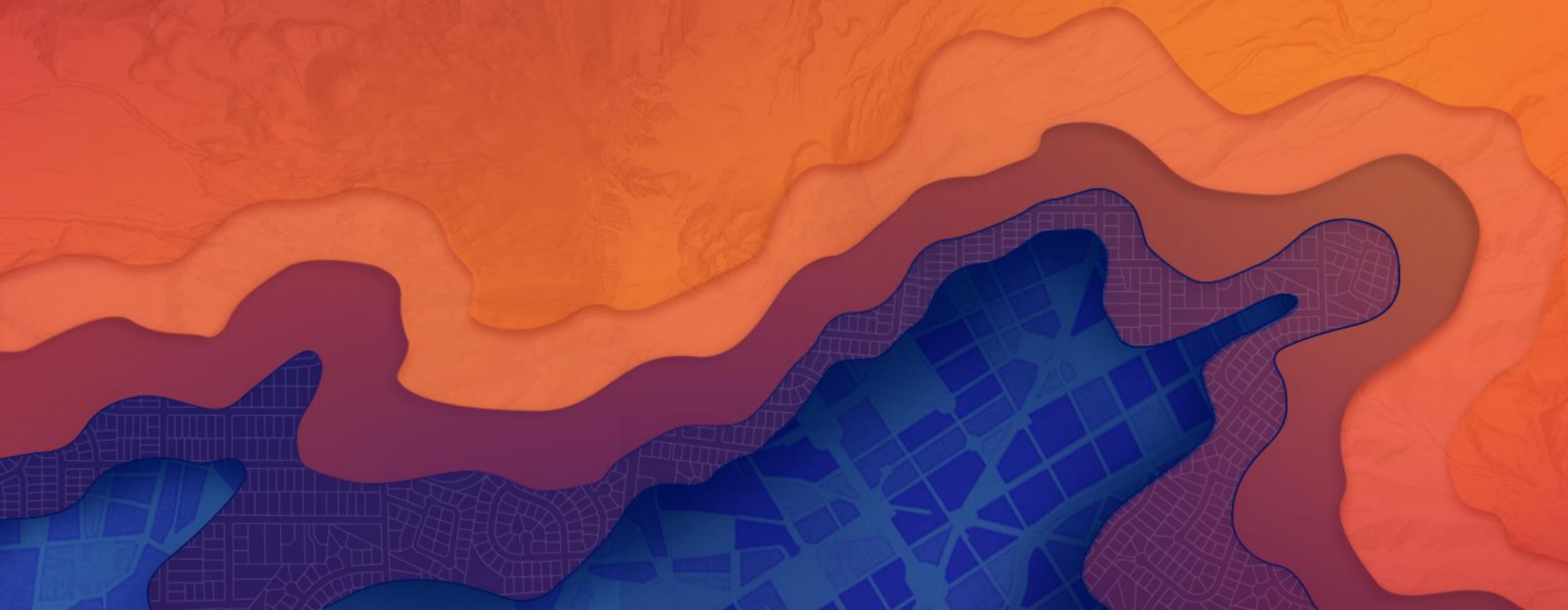
ArcPy în ArcGIS Pro

1. Citire layere din harta unui proiect ArcGIS Pro
2. Informații despre attribute
3. Adăugare câmp nou
4. Adăugare informații în câmpuri în funcție de alte attribute
5. Aplicare instrument de geoprocesare – Buffer
6. Salvare informații

ArcPy în IDE

1. Creare bază de date geodatabase
2. Creare feature class-uri
3. Adăugare câmpuri de attribute
4. Salvare bază de date sub forma .ZIP

Întrebări





esri™ Romania

THE SCIENCE OF WHERE™