

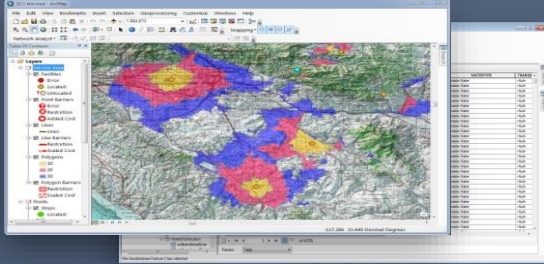


LES ÉVOLUTIONS D'ARCGIS PRO DONT L'EXTENSION UTILITY NETWORK

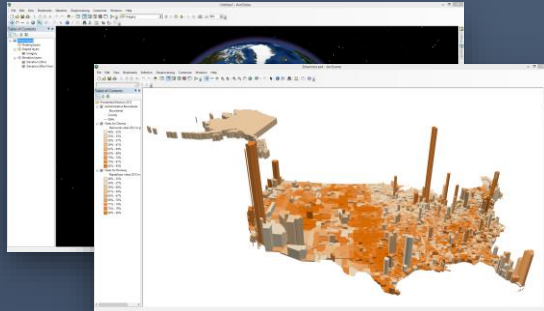
ASTRID GLADYS, ANNA PLANCHEREL, SILVIA RYTER

FUSION D'APPLICATION

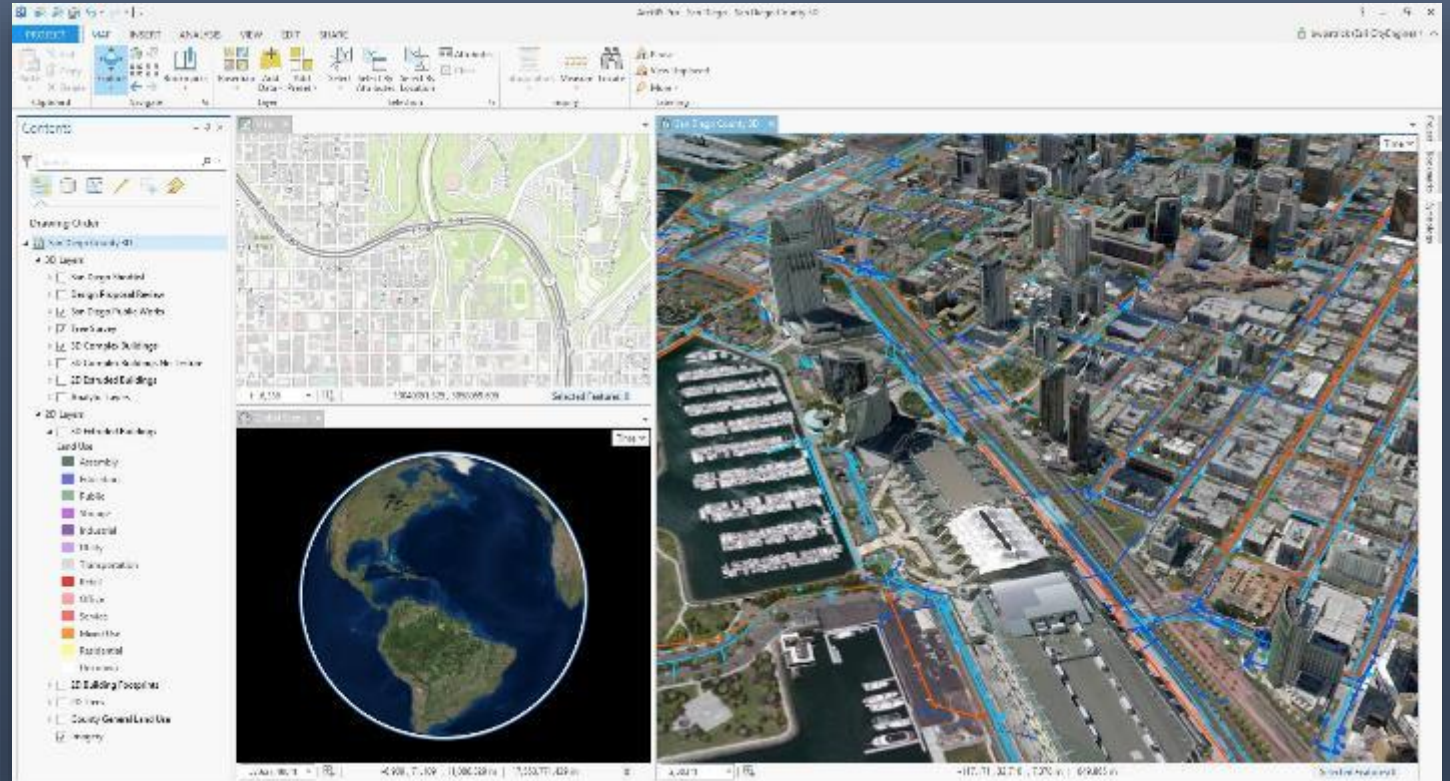
ArcMap / ArcCatalog



ArcGlobe / ArcScene



CityEngine



TYPES D'UTILISATEUR

Creator



GIS Professional



ArcGIS Pro

NU SU CU | NU

User types compatibles avec ArcGIS Pro

INFO MIGRATION

Fin du support Python 2.x au 01.01.2020

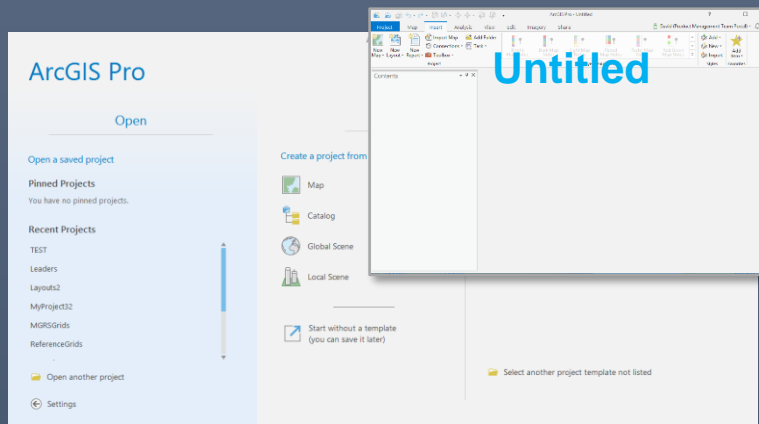
<https://devguide.python.org/#status-of-python-branches>

ArcGIS Pro utilise Python 3.X

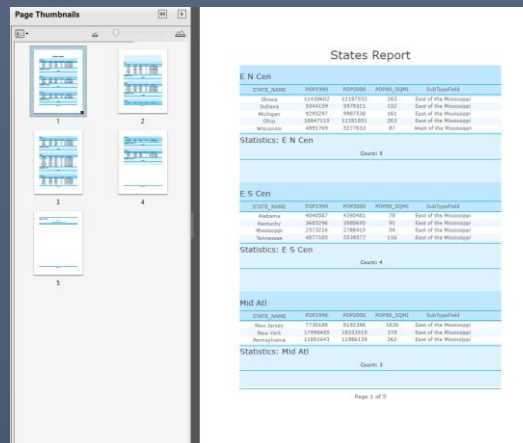
- Module arcpy
- ArcGIS API for Python

ArcGIS Pro SDK .NET

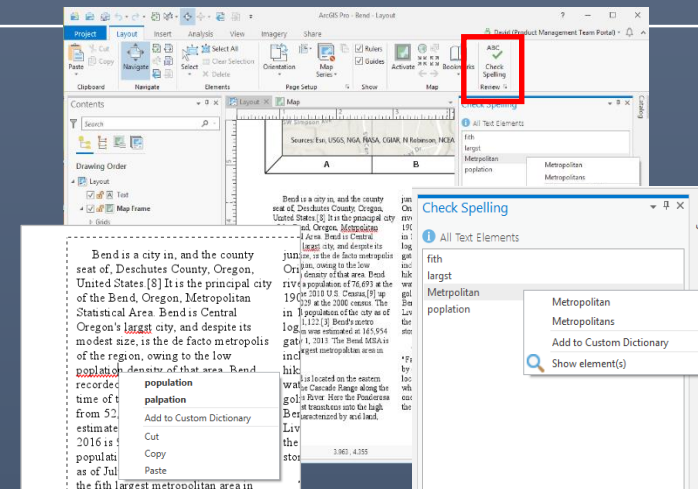
ARCGIS PRO 2.3 HIGHLIGHTS



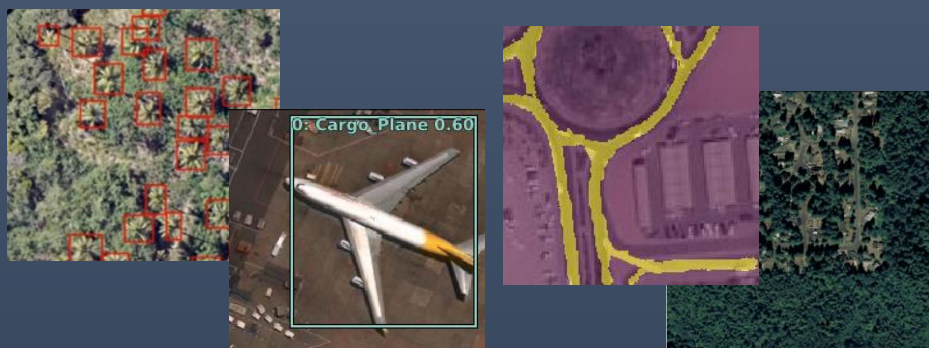
Page de démarrage



Rapport



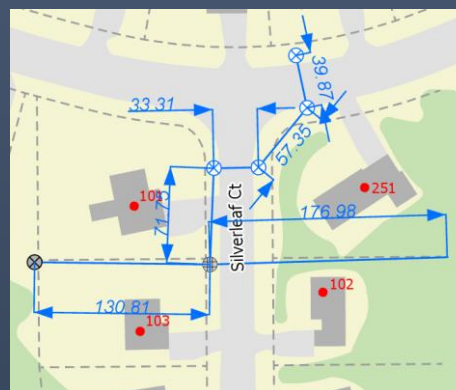
Vérification d'orthographe



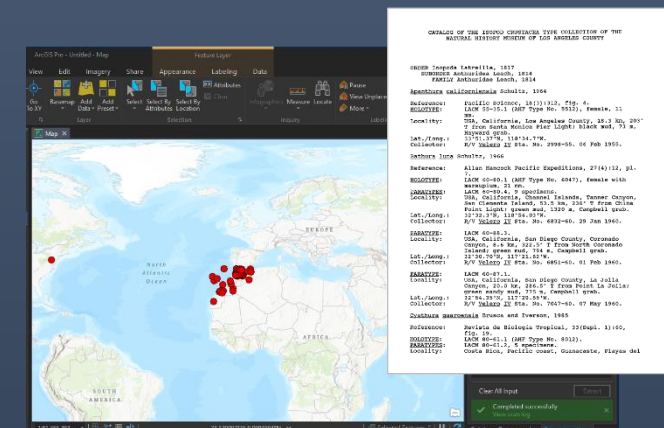
Object Detection

Image Classification

Outils Deep Learning



Cotations



LocateXT

LOCATE XT

Edit Custom Attribute

Name: Aggressor

Search: Near locations

GIS Name: Aggressor

GIS Length (chars): 254

Before (chars): 0

After (chars): 50

Matches: Keep only first

Keyword list

Keyword	Description
Aggressor:	Capture until stop string

OK Cancel

Edit Keyword

Keyword: Aggressor:

Capture control: Capture until stop string

☐ Case sensitive

☐ Include in capture

Stop string: Victim:

☐ Case sensitive

☐ Include in capture

OK Cancel

Coordinate Formats - DD

Coordinate Formats - DM

☐ Latitude And Longitude

☐ X Y With Minutes Symbols

Coordinate Formats - DMS

☒ Latitude And Longitude

☒ X Y With Seconds Symbols

☒ X Y With Separators

Edit Custom Attribute

Name: Description

Search: Near locations

GIS Name: Descript

GIS Length (chars): 254

Before (chars): 0

After (chars): 180

Matches: Keep only first

Keyword list

Keyword	Description
Description:	Capture until stop string

OK Cancel

Edit Keyword

Keyword: Description:

Capture control: Capture until stop string

☐ Case sensitive

☐ Include in capture

Stop string: Date of Occurrence:

☐ Case sensitive

☐ Include in capture

OK Cancel

Maritime_incidents.txt - Notepad

File Edit Format View Help

Keyword Capture Stop String Location trigger

Date of Occurrence: 10/29/2018 Reference Number: 2018-170

Geographical Subregion: 57 Geographical Location: 4° 46' 00" S

10° 08' 00" E

Aggressor: PIRATES Victim: TANKER

Description: (U) REPUBLIC OF CONGO: On 29 October, pirates in a speed boat chased and fired upon LPG tanker BW FRIGG carrying out bunkering operations underway near position 04:46S - 010:08E, 101 nm, west of Pointe Noire. Emergency bunker stop and cast off initiated. Speed increased and the tanker made evasive maneuvers and escaped. All crew reported safe. (IMB; MDAT-GOG; www.pvilt.com; www.sguardian.com; www.fleetmon.com)

Keyword Capture Location trigger

Date of Occurrence: 10/29/2018 Reference Number: 2018-169

Geographical Subregion: 57 Geographical Location: 4° 57' 00" S

10° 43' 00" E

Aggressor: ARMED PIRATES Victim: SUPPLY VESSEL

Description: (U) REPUBLIC OF CONGO: On 29 October, offshore supply vessel ARK TZE was boarded and hijacked by armed pirates near position 04:57S - 010:43E, 68 nm west of Pointe Noire. All crew taken hostage and made to lie on deck while the pirates, ransacked and stole crew and ship's properties. The pirates kidnapped four crew and escaped. The remaining crew sailed the vessel to a safe port. One crewman reported injured. Bridge equipment damaged during the attack. (IMB; www.fleetmon.com)

Stop String

Date of Occurrence: 10/26/2018 Reference Number: 2018-171

Geographical Subregion: 57 Geographical Location: 3° 40' 00" N

6° 40' 00" E

LOCATE XT

ArcGIS Pro - ArcGIS LocateXT - Unstructured data

Project Map Insert Analysis View Edit Imagery Share MarkLogic Add-In Appearance Labeling Data

Clipboard Navigate Layer Selection Inquiry Labeling Off

Contents

Search

Drawing Order

Unstructured data

Maritime_incidents

Cell_Towers

world_aiports

zip_codes

ukraine_geonames

WORLD_CITIES_15Kplus

Light Gray Reference

Light Gray Base

1:26,949,527

44.1713368°E 9.5885823°N

Selected Features: 0

Maritime_incidents

Field: Add Delete Calculate Selection: Zoom To Switch Clear Delete Copy

Date_Occur	Ref_Num	Aggressor	Victim	Description
03/31/2018	2018-100	Pirates	Vessel	YEMEN:On 31 March at 0535Z a vessel was approached and fired upon
01/03/2018	2018-10	Robbers	Bulk Carrier	VENEZUELA:On 03 January, five robbers in a small boat boarded an an
12/24/2017	2018-1	Pirates	Vessel	NIGERIA:On 24 December, a merchant vessel reported being attacked i
04/04/2017	2017-99	Pirates	Vessel	SOMALIA:On 04 April, Somali pirates hijacked SALAMA I off the coast o
03/29/2017	2017-98	Pirates	Tanker	NIGERIA:On 29 March, armed pirates in a boat chased and fired upon a
03/26/2017	2017-97	Robbers	Sailing Vessel	SAINT VINCENT AND THE GRENADINES:On 26 March, a dinghy and sm
04/03/2017	2017-96	Suspicious Approach	Vessel	YEMEN:On 03 April at 0530Z in 13-10N 043-03E, a M/V reported being
04/01/2017	2017-95	Pirates	Vessel	SOMALIA:Indian cargo dhow AI KAUSAR with 11 crew enroute form Du
03/26/2017	2017-94	Robbers	Tanker	PHILIPPINES:On 26 March, duty crew onboard a tanker anchored near p

0 of 4136 selected

Filters: 100%

Pop-up

Maritime_incidents (1)

Pirates

Maritime_incidents - Pirates

DESCRIPTION: INDIAN OCEAN:On 23 Feb, Singapore-flagged product tanker LEOPARD SUN was attacked by pirates, near 03-26N 050-27E, 159 nm off the central coast of Somalia. The tanker was approached by three skiffs and was fired upon by armed pirates. The armed security

Extracted Text 3° 26' 00" N 50° 27' 00" E

Extracted Type DMS

Precision (m) 31

Stand. Coord. 03.433333N 050.450000E

Date_Occur 02/23/2018

Ref_Num 2018-77

Aggressor Pirates

Victim Tanker

50.450000°E 3.433333°N

Pop-up

Maritime_incidents (1)

Suspicious Approach

Maritime_incidents - Suspicious Approach

DESCRIPTION: GULF OF ADEN:On 20 January, a small boat made a suspicious approach against a Panama-flagged merchant vessel under escort by a Chinese Navy frigate. The naval vessel fired warning flares and positioned itself for further action against the small boat, f

Extracted Text 11° 29' 00" N 44° 36' 00" E

Extracted Type DMS

Precision (m) 30

Stand. Coord. 11.483333N 044.600000E

Date_Occur 01/20/2018

Ref_Num 2018-30

Aggressor Suspicious Approach

Victim Vessel

44.600000°E 11.483333°N

ARCGIS PRO ÉVOLUE AVEC VOS IDÉES !



- 🔦 Add Multiple Fields Quickly with Domains to Add Fields tool
- 🔦 Add "Smooth" and "Simplify" tools to the editing environment (5:42)
- 🔦 ArcGIS Pro Show Vertex (5:59) *Hint: it's the T key now when editing.*
- 🔦 Select by Location in ArcGIS Pro (6:07)
- 🔦 ArcGIS Pro - Split polygons using existing line features (6:20)
- 🔦 Streaming mode in ArcGIS Pro (6:37)
- 🔦 Preview Attribute Table in Pro
- 🔦 ArcGIS Pro needs legend patch shape options like ArcMap (6:54)
- 🔦 3D data interpolation (7:01)
- 🔦 Add Clip-To-Shape option to map frame in ArcGIS Pro (7:06)
- 🔦 Open ArcGIS Pro without having to Save (7:29)
- 🔦 Add Direction to the Measure Tool (7:41)
- 🔦 Make Definition Query able to be turned on/off with Check Box (7:56)
- 🔦 Polygon Outline Color Ramp (8:07)
- 🔦 ArcGIS Pro Spell check (duplicate, 8:13)
- 🔦 Add a spellchecker to ArcMap for text elements in the layout. (8:13)
- 🔦 ArcGIS Pro: "Label Class" SQL expression text box needs formatting
- 🔦 Enhancement: In Pro, when setting Poly Symbol Line Color to Null, se

- 🔦 Columns & Margins in Polygon Text Elements (1:58)
- 🔦 Columned Text Editing Options in ArcGIS Pro (duplicate, 1:58)
- 🔦 Manage Tile Cache with ArcPro Map as Source (2:09)
- 🔦 Dimension Feature Class Editor in ArcGIS Pro (2:20)
- 🔦 ArcGIS Pro Attribute Rules Calculation Order (2:48)
- 🔦 Replace Sketch editing context command needed for ArcGIS Pro (3:04)
- 🔦 Better (ArcMap quality) layout for ModelBuilder models in ArcGIS Pro (3:10)
- 🔦 ArcGIS Pro: Referencing Needs to be XY & IMU Capable (3:12)
- 🔦 When adding a GIS layer or extension to Pro should default to http (3:28)
- 🔦 Pro: Fillet Tool is Missing (3:33)
- 🔦 Create Shapefiles without using Create Feature Class Tool (3:42)
- 🔦 When saving a project with a map frame, the map frame will be saved with the project (3:42)
- 🔦 ArcGIS Pro: When saving a project, the map frame will be saved with the project (3:42)
- 🔦 Add Toolbox into Modelbuilder (4:01)

- 🔦 Report Exporting on all GIS Data- Not just Survey123 (4:16)
- 🔦 Heat Map Symbology Options in ArcGIS Pro (4:20)
- 🔦 Ctrl-Double Click to open attribute table in ArcGIS Pro (4:33)
- 🔦 Save Feature Classes to in_memory workspace in ArcGIS Pro Map (4:43)
- 🔦 Flicker command, go to XY in ArcGIS Pro (4:58)
- 🔦 Split irregular polygons into equal parts (5:07)
- 🔦 Direct access to GDAL/OGR tools from within ArcGIS script tools (5:35)
- 🔦 Parcel Editor Basis of Bearing anytime

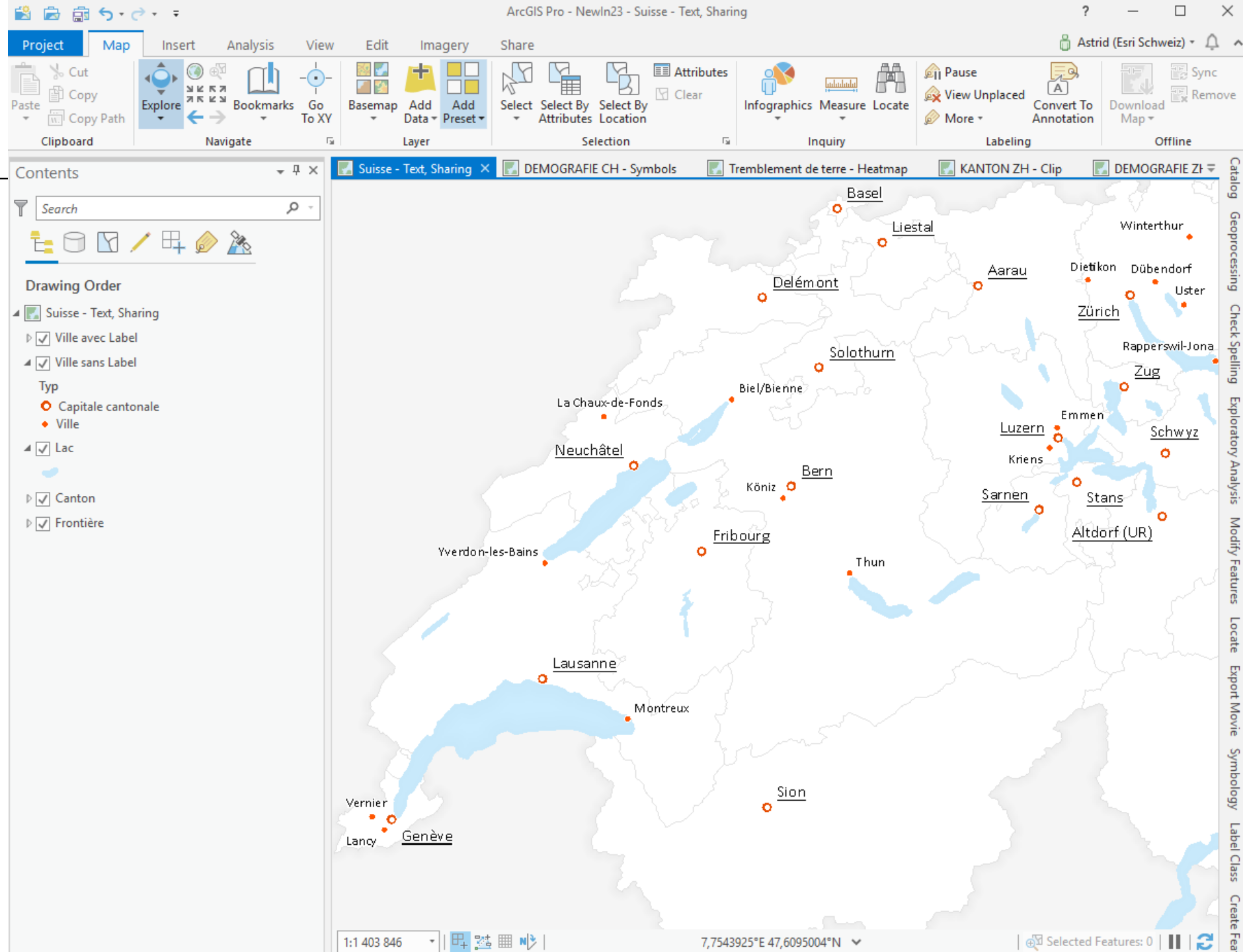
- 🔦 Configure ArcGIS Pro Default Scene Elevation Surface (0:07)
- 🔦 Pro: Show Portal Content in Catalog View
- 🔦 Ability to overwrite previous rectified images (0:13)
- 🔦 Printing from ArcGIS Pro (0:20)
- 🔦 Building Label Classes by Symbology (0:26)
- 🔦 Clip to UTM zone boundary set as default (0:34)
- 🔦 Follow Feature during Annotation Construction (0:46)
- 🔦 Add Multiple Favorites to ArcGIS Pro Project at once (0:51)
- 🔦 Strip Map Index Features in ArcPro (1:00)
- 🔦 Explain what other specific tools require map view to be enabled in C
- 🔦 ArcGIS Pro upgrade confusing messages (1:13)
- 🔦 Extend Recent Projects List (1:20)
- 🔦 Ability to edit the WFS connection in PRO (1:27)
- 🔦 ArcGIS Pro Pin Projects To Launch Screen (1:31)
- 🔦 Enable WFS Publish for ArcGIS Pro/ArcGIS Enterprise (1:43)
- 🔦 Make Add Outputs to Map Optional (1:48)
- 🔦 Improve Labeling Capability for Data Clock in ArcGIS Pro (1:54)

56 – ArcGIS Pro 2.3
18 – Product Plan
9 – Under consideration

DEMO

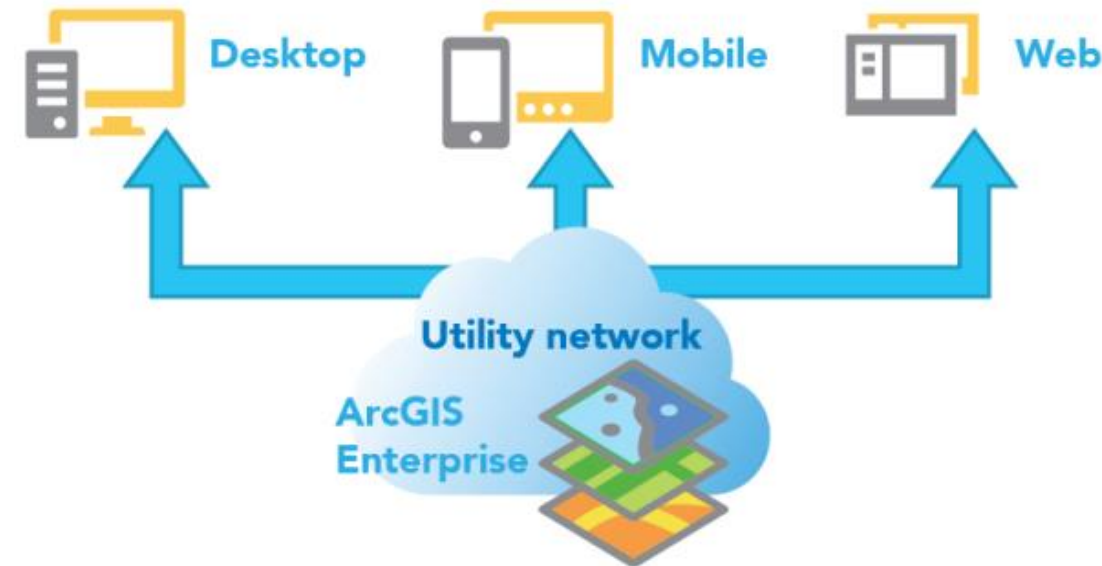
ArcGIS Pro 2.3

10 Nouveautés

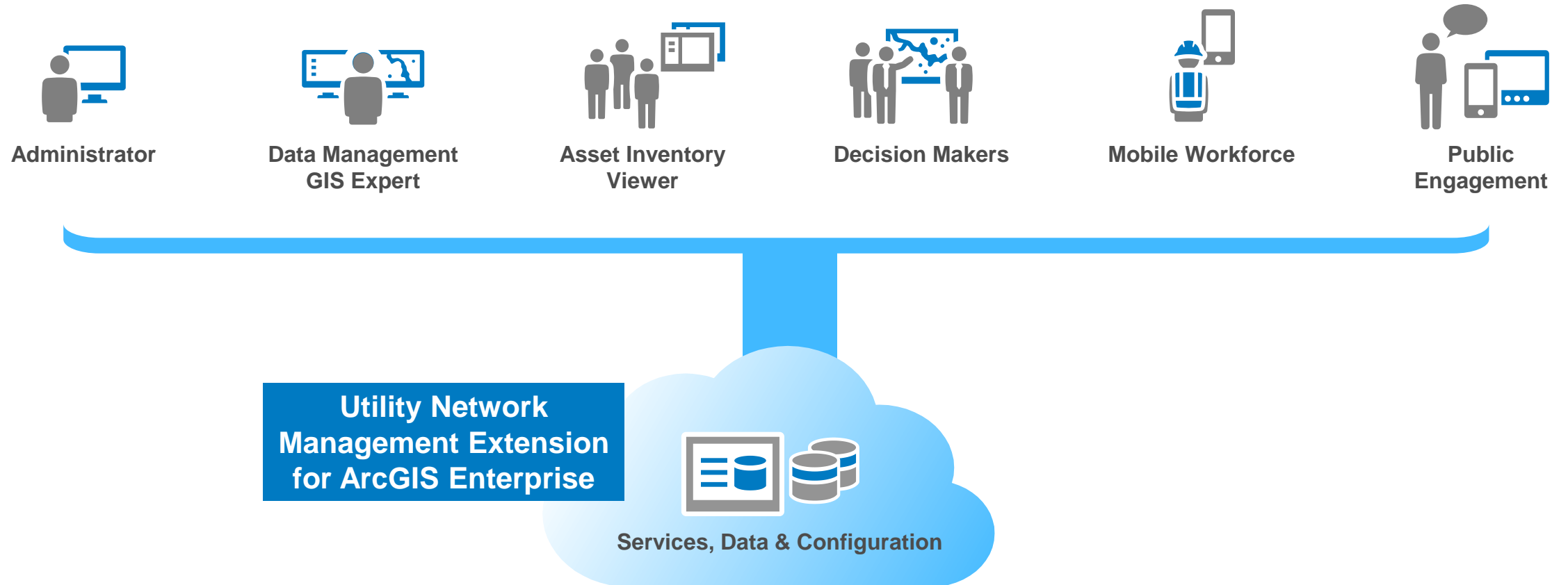


NOUVEAU RÉSEAU DE DISTRIBUTION

- Utility Network
- Architecture de services
- Transversal sur tous les périphériques
- Extension ArcGIS Utility Network Management



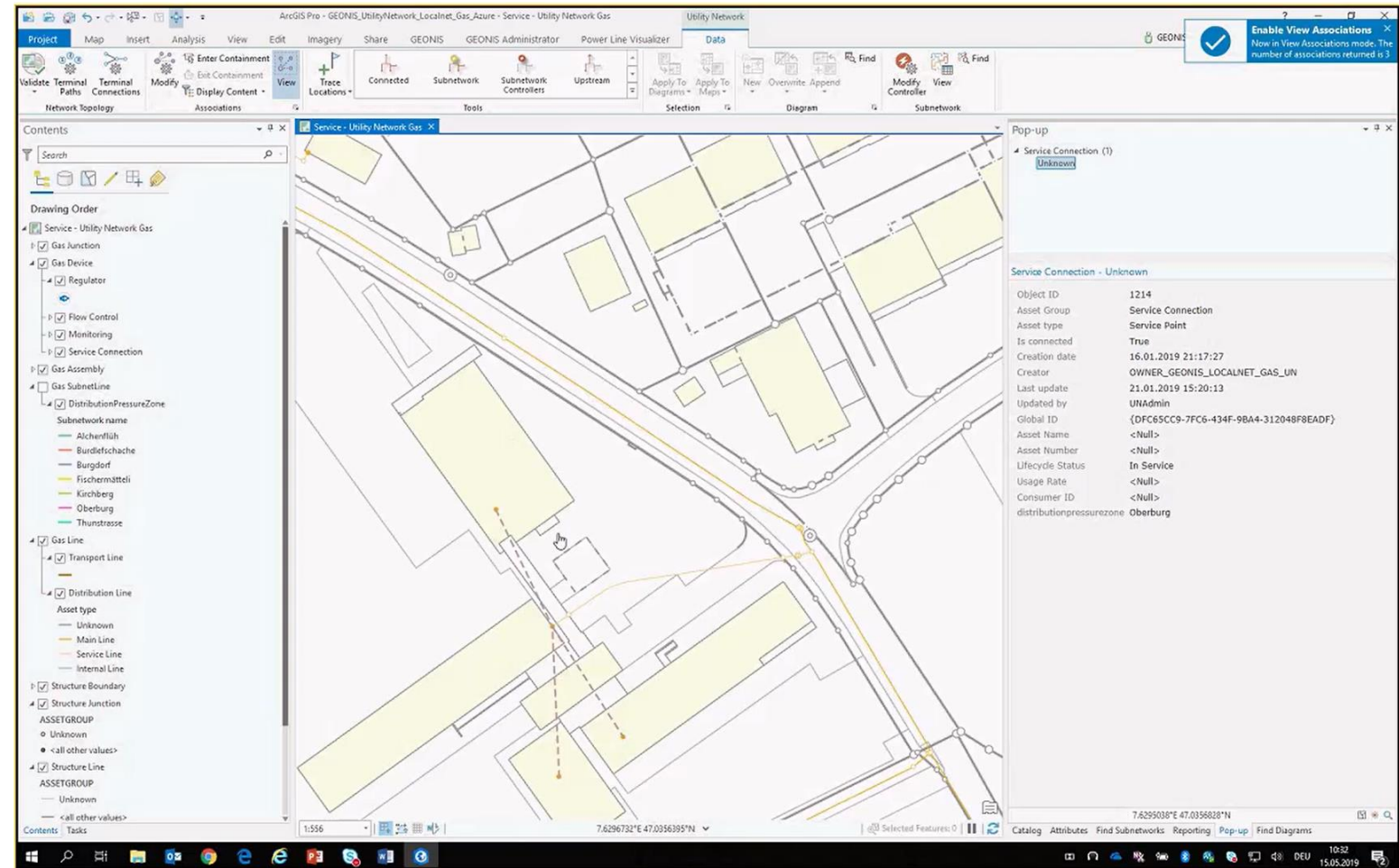
UTILITY NETWORK: UTILISATEURS



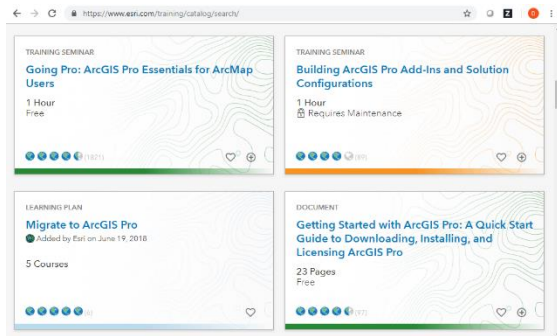
DEMO GAZ

- Projet pilote
- Données gaz

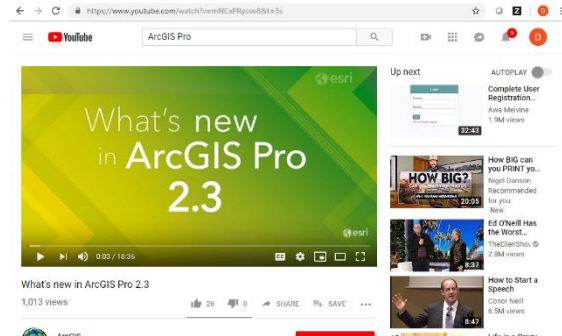
-  Utility Network Management Specialty



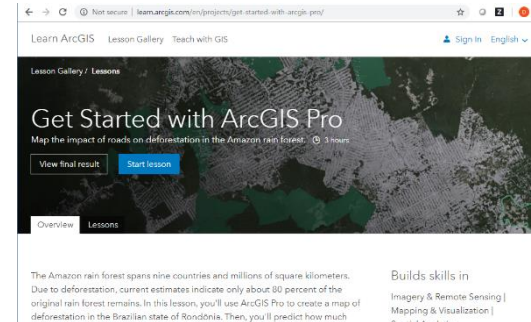
ARCGIS PRO RESOURCES



[Formation](#)



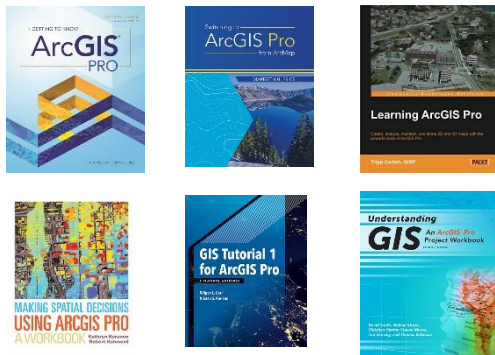
[Videos](#)



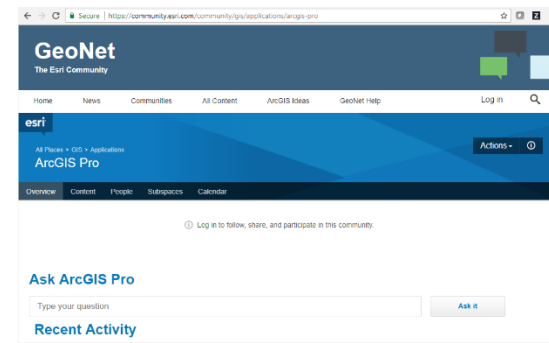
[Learn.ArcGIS.com](#)



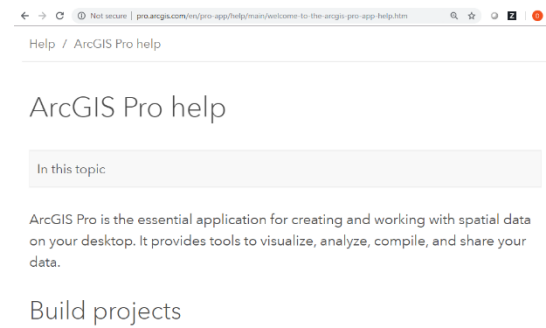
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THE SCIENCE OF WHERE