



# Mobile Mapping solutions using ESRI ArcGIS

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Professional Services

# Voordelen integratie Mobile Mapping



## Basis gebruik

- Visualisatie van situatie op het terrein
- Interpretatie
- Meet mogelijkheid
- Overlay met overige data lagen

## Inventarisatie

- Opzetten van eigen data lagen
- Inventarisatie van elementen
- 'Visuele' aanvulling van attributen
- Integratie met overige datalagen (CRAB, GRB, ...)

## Integratie in het ArcGIS Platform

- Integratie in Desktop
- Integratie in Web-applicaties (online/on premise) middels gebruik van widgets in WebApp Builder

## Gebruik ArcGIS Platform

- Inventarisatie op het terrein (collector, Survey 123, ...)
- Integratie in Webapplicaties voor overige diensten
- Publicatie naar burgers
- Crowd-sourcing

# Enkele voorbeelden

## Mobile Mapping oplossingen gebruik makend van ArcGIS

- [CycloMedia](#)
- [ImageV](#)
- [Google StreetView](#)
- [ESRI Oriented Imagery](#)
- [Mapillary](#)
- [ESRI Oblique Aerial Images](#)

Build your Digital Twin



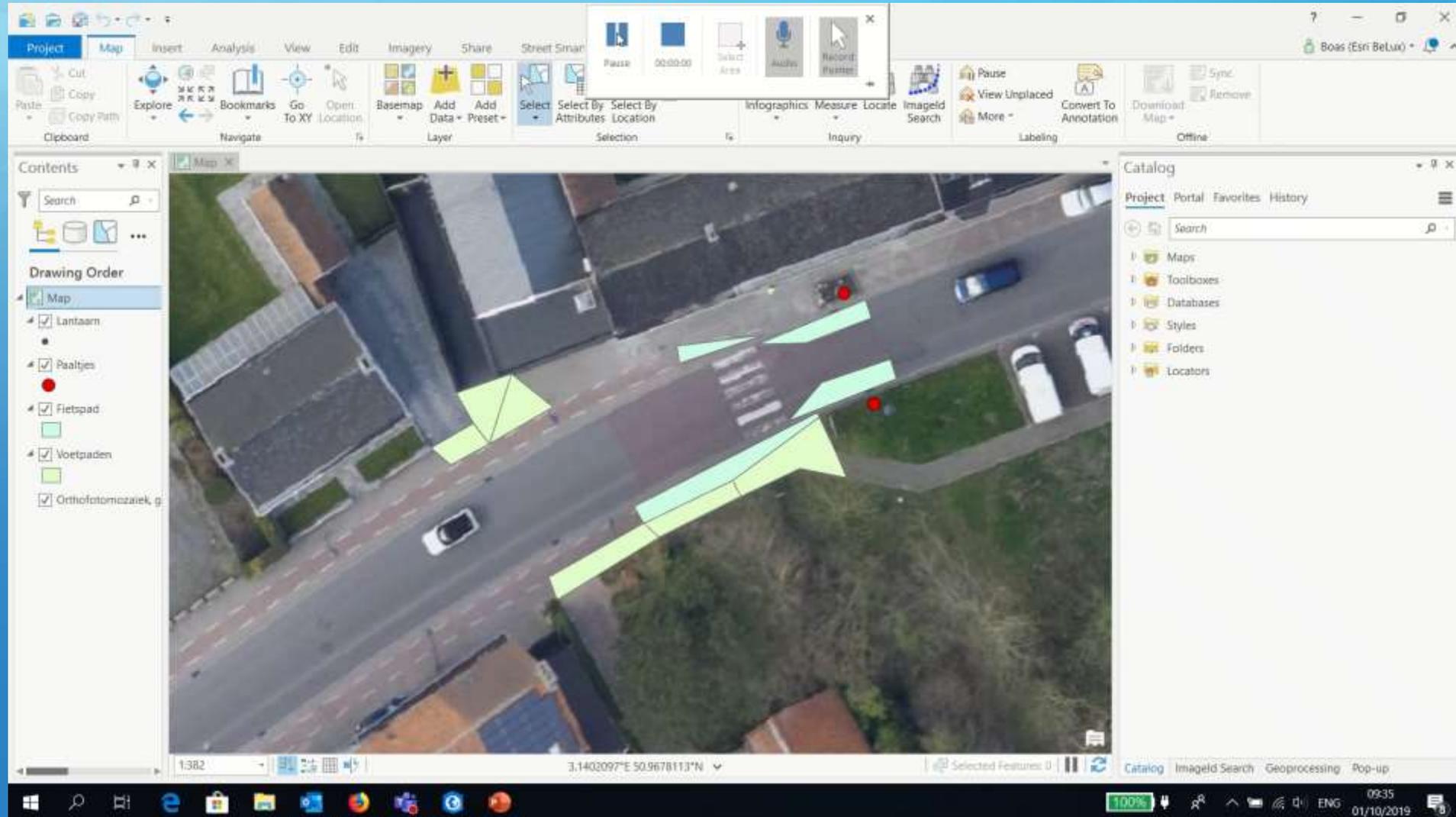
CycloMedia

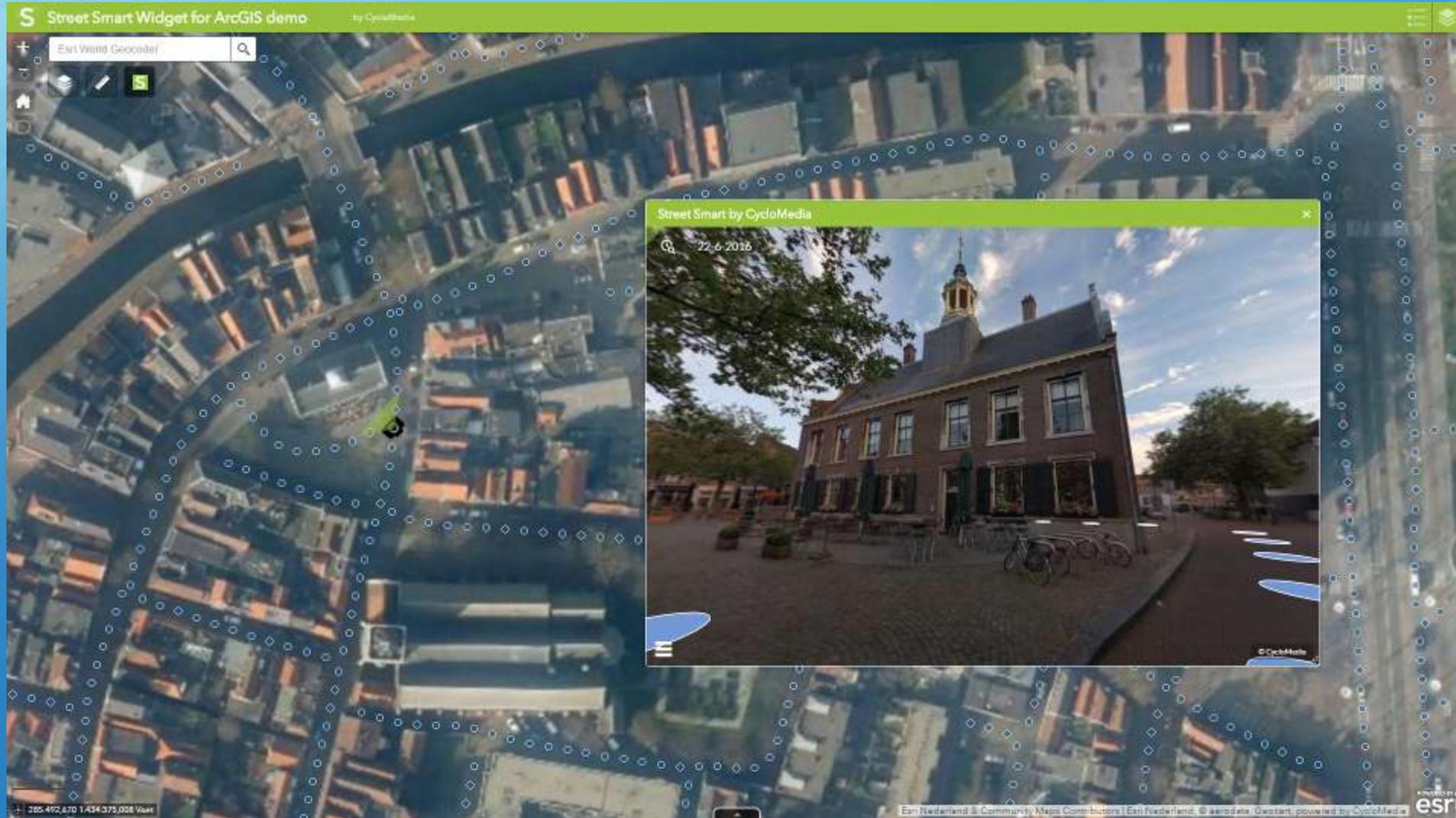
The background features a central globe of the Earth with a network of white nodes and lines overlaid on it. To the left, there are abstract, colorful patterns in shades of red, orange, and yellow, resembling a complex data visualization or a molecular structure. The entire scene is set against a dark blue background with subtle geometric shapes and light effects.

The screenshot displays the ArcGIS Pro interface. The main map shows an aerial view of a city street with numerous red circular markers representing 'Exposure Points'. A red shaded area highlights a specific section of the road. The 'Contents' pane on the left lists the following layers in drawing order:

- Map
  - Esri Redlands Campus
  - World Boundaries and Places
  - Cobb County (Cyclomedia)
    - Exposure Points
    - Current Coverage
    - Additional Coverage
  - World Imagery

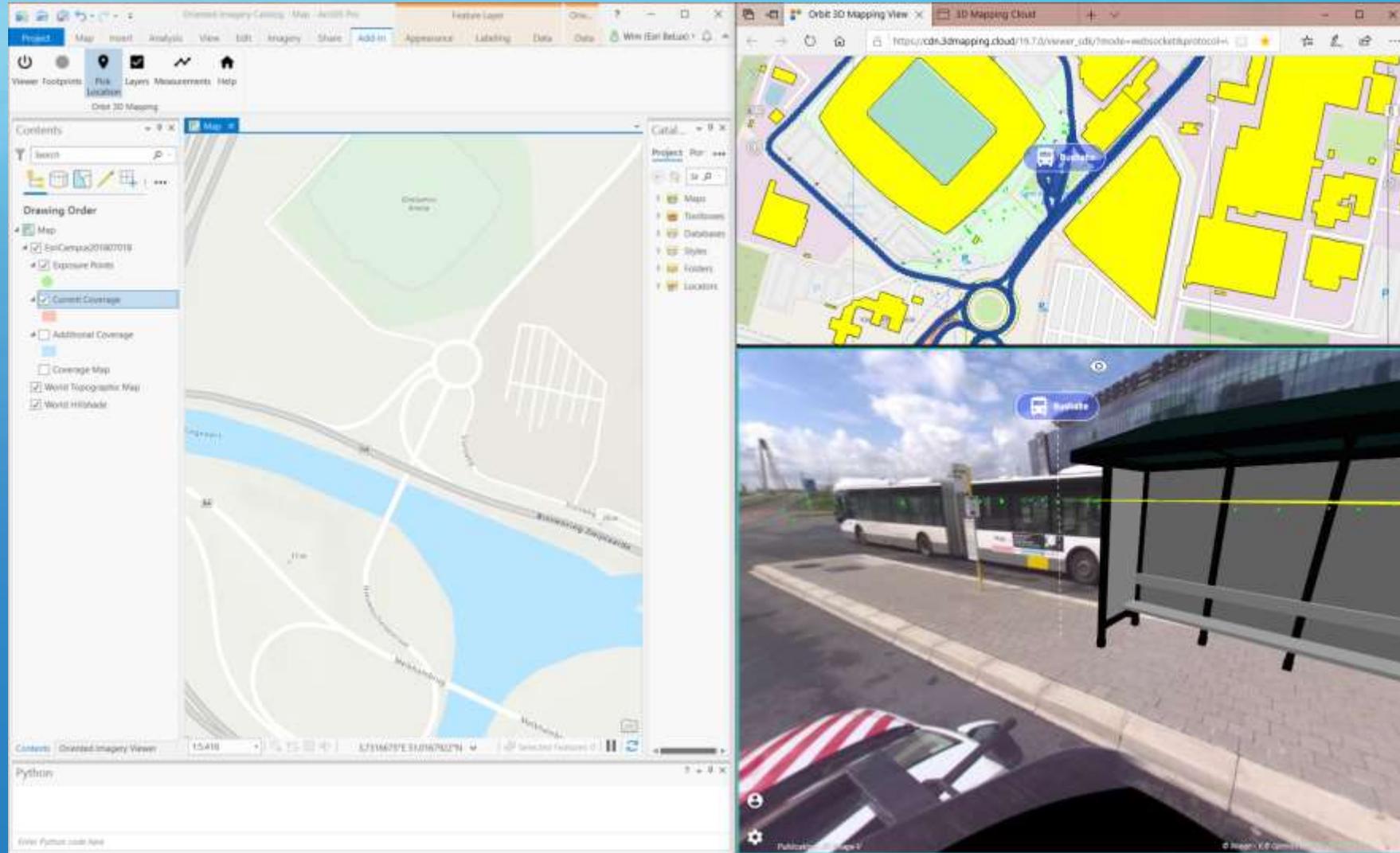
The 'Imagery Viewer - Cobb County (Cyclomedia)' window is open, showing a street-level view from a vehicle's perspective, with a red car in the foreground and a white car in the distance. The interface includes a top ribbon with tabs for Project, Map, Insert, Analysis, View, Edit, Imagery, Share, Appearance, Labeling, and Data. The status bar at the bottom shows a scale of 1:756, coordinates 84.4752714°W 33.8837866°N, and 'Selected Features: 0'.

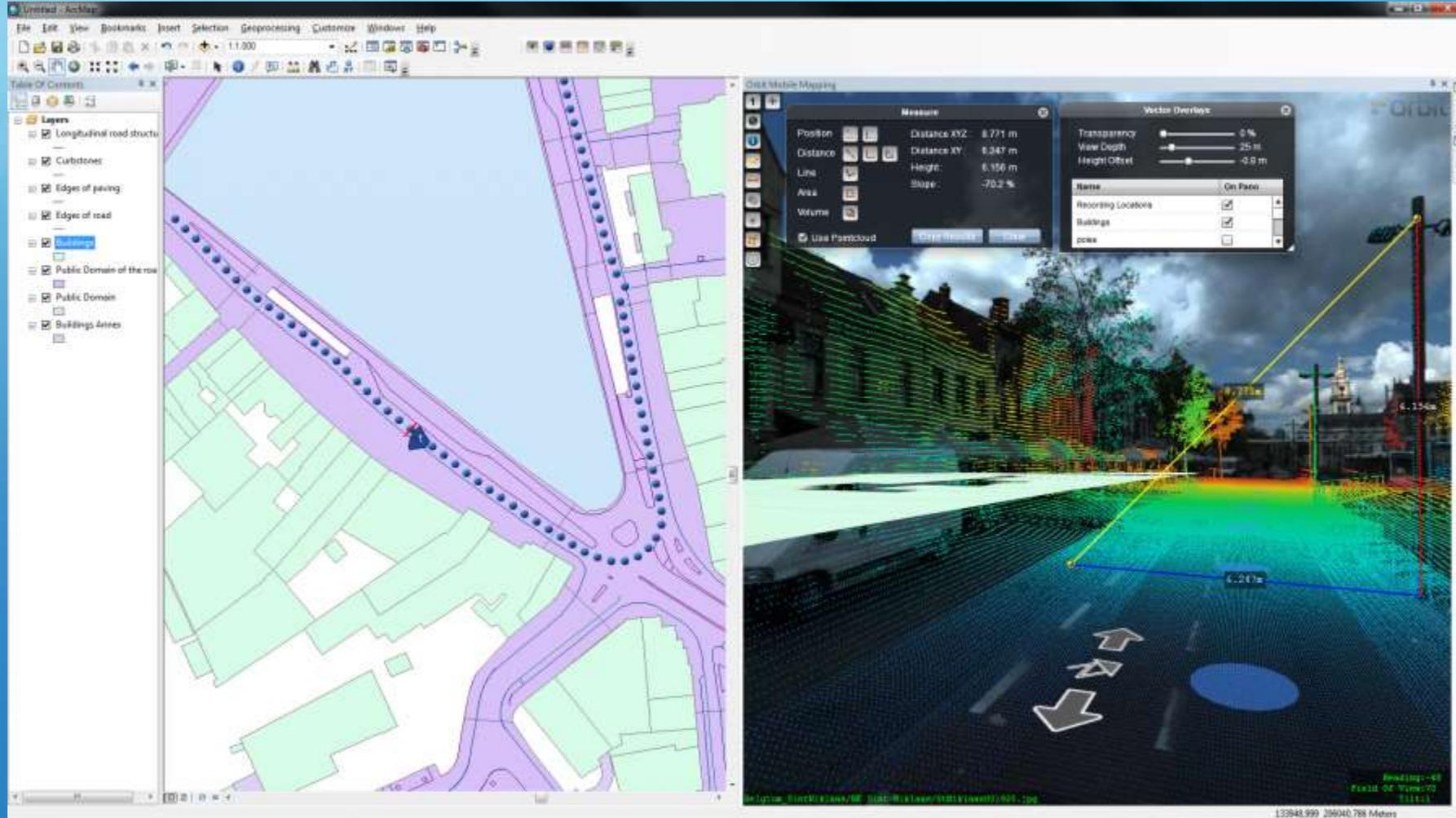






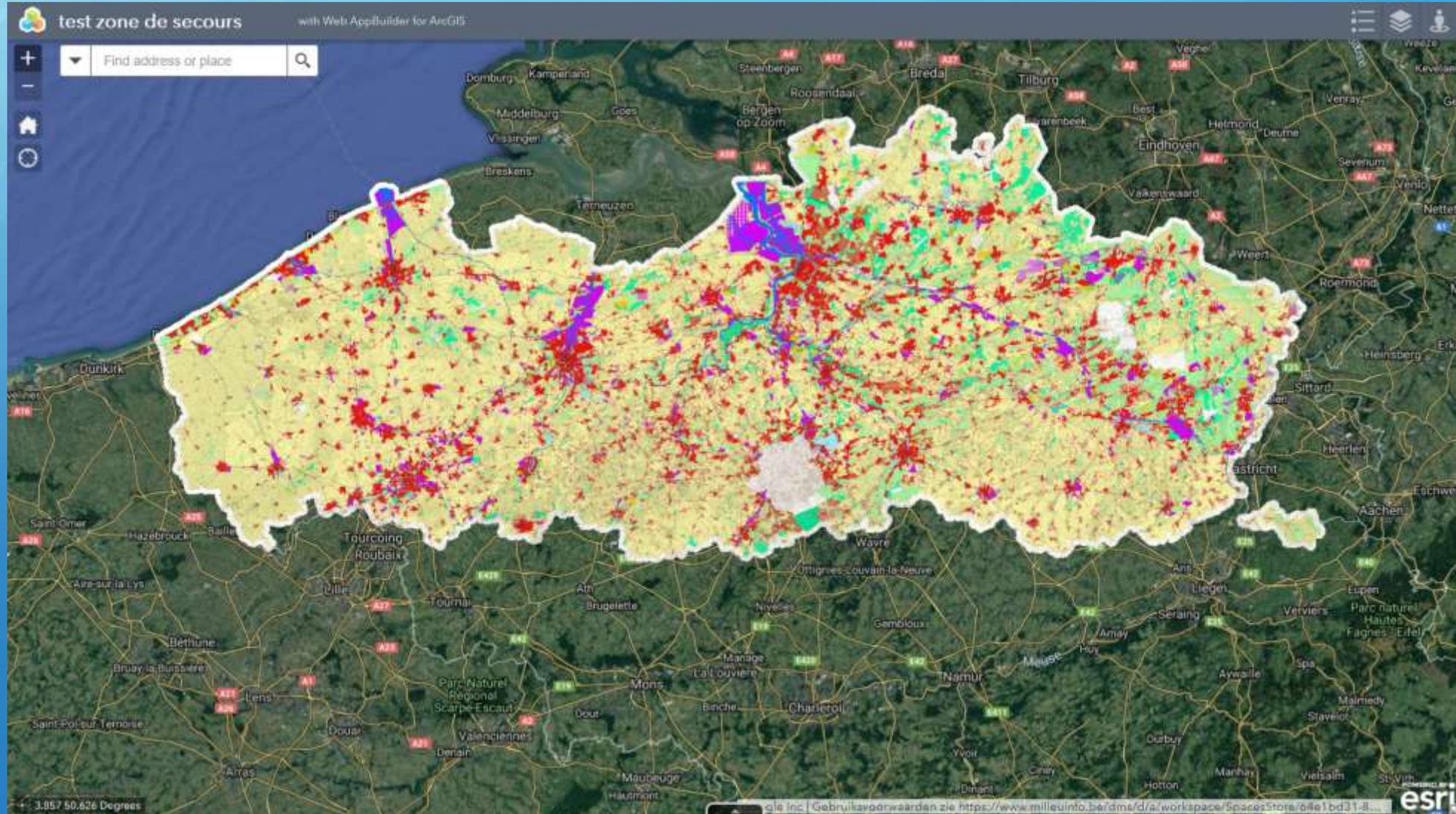
# Image-V







# Google StreetView



test zone de secours with Web Appbuilder for ArcGIS

nervierslaan, wemmel

Show search results for nervier...

StreetViewPopup

Click on the map to see the streetview for that location

[Full Page](#)  [Map](#)  [Street View](#)  [Birds Eye](#)

54 Nervierslaan  
Wemmel, Flanders

Google © 2019 Google Terms of Use Report

Map Satellite

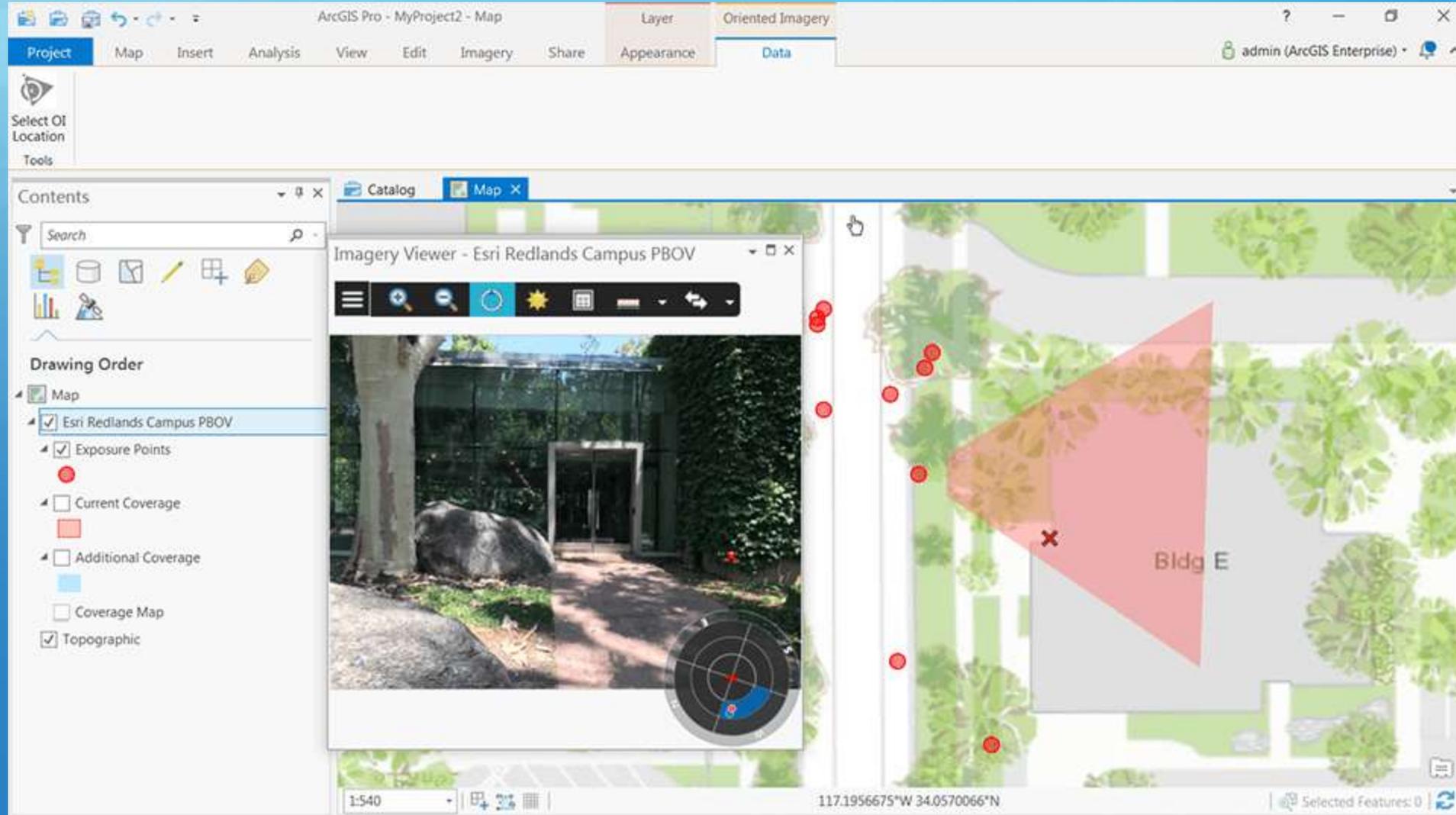
Esri Belux

Map data ©2019 20 m

4.317 50.899 Degrees



# Oriented Imagery from ESRI

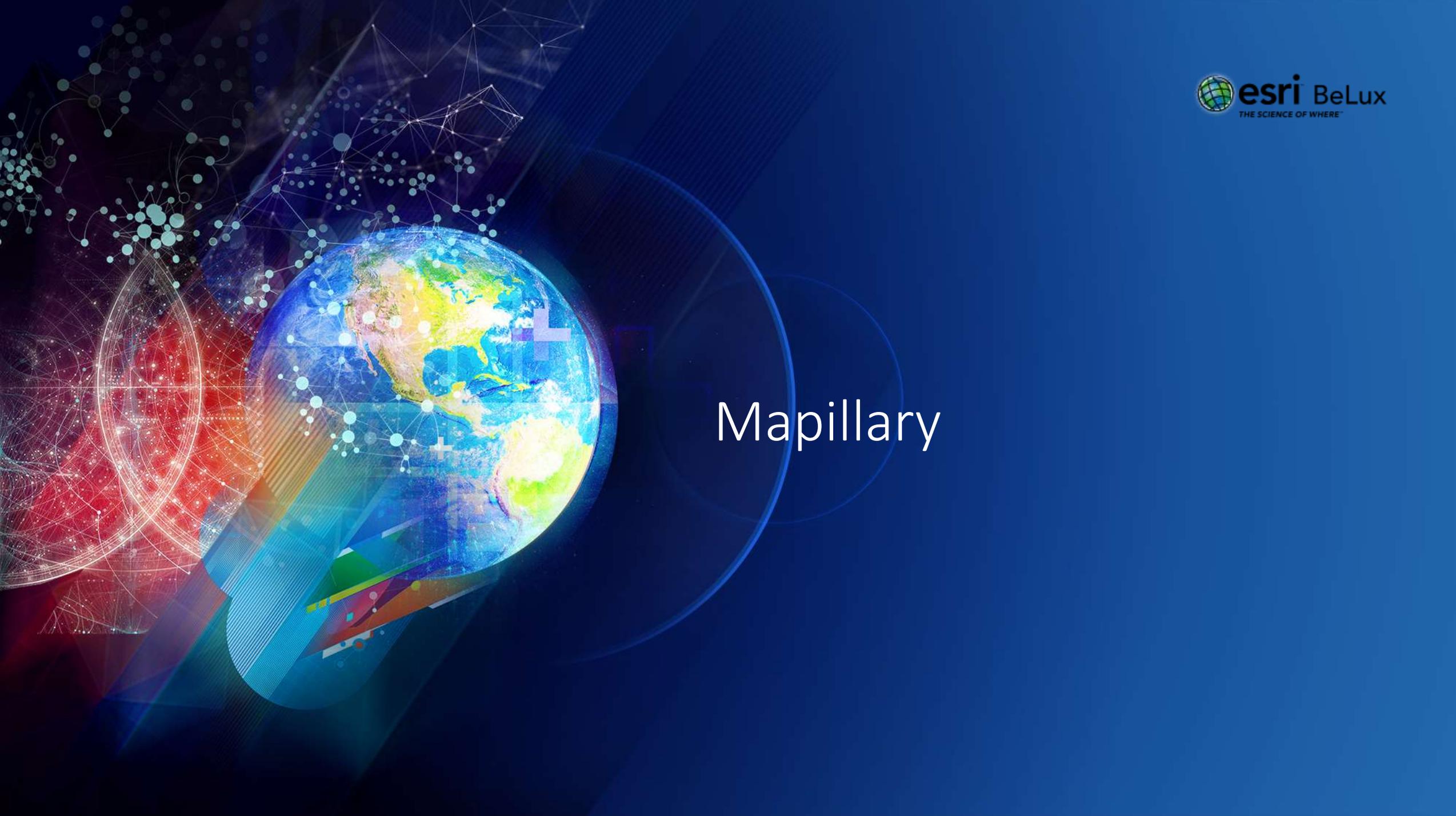


# Types of images & video formats supported by Oriented Imagery (OIC)

1. Streetview images (where the camera pitch is 90 degrees, towards the horizon)
2. Wide-angle images (where the horizontal field of view (HFOV) is less than 180 degrees)
3. Panorama images
4. Oblique or drone images
5. Inspection images (taken at close-range, where the camera pitch can be greater than 90 degrees)
6. Video
7. Bubble images, including the following:
  - a. A single, stitched image
  - b. Six separate images stitched together
  - c. Multiple images taken from the same location pointing in different directions, but considered a group

## Supported formats

JPEG • PNG • MRF (using either LERC or JPEG compression) • LERC • MP4 (Codec - h.264)



# Mapillary

# Mapillary : integration in ArcGIS



PRODUCT ▾

SOLUTIONS ▾

RESOURCES ▾

PRICING

BLOG

Sign in

Create account

## Mapillary for ArcGIS

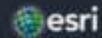
Manage, build, and explore your data by adding street-level imagery to the world's best-known geoinformation system.

FOR

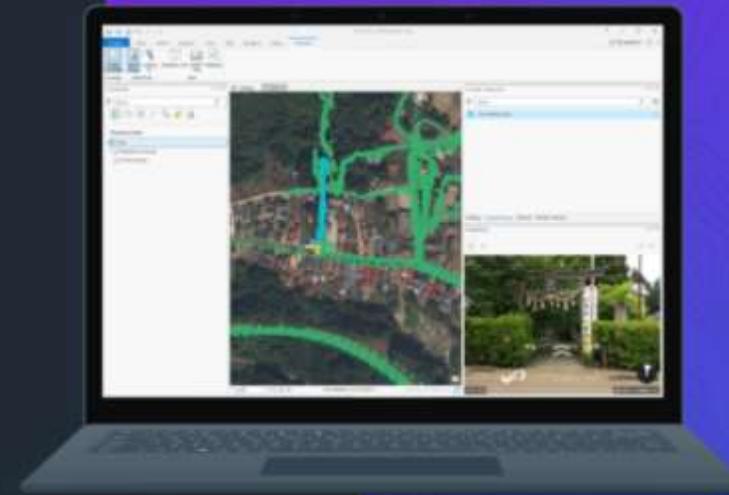
ARCGIS PRO

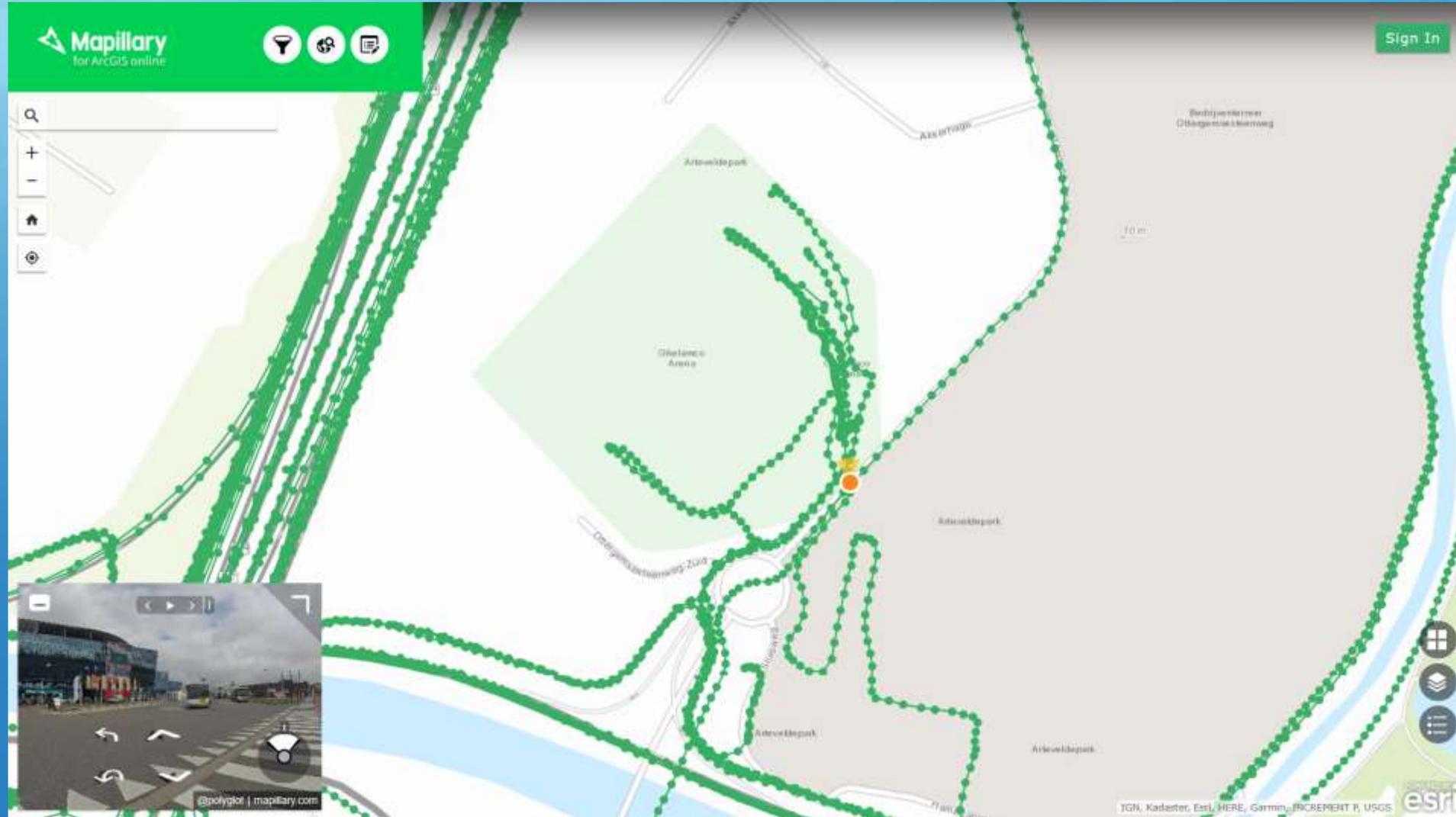
ARCGIS ONLINE

WEB APPBUILDER FOR ARCGIS



Mapillary is a part of the Esri Partner Network →

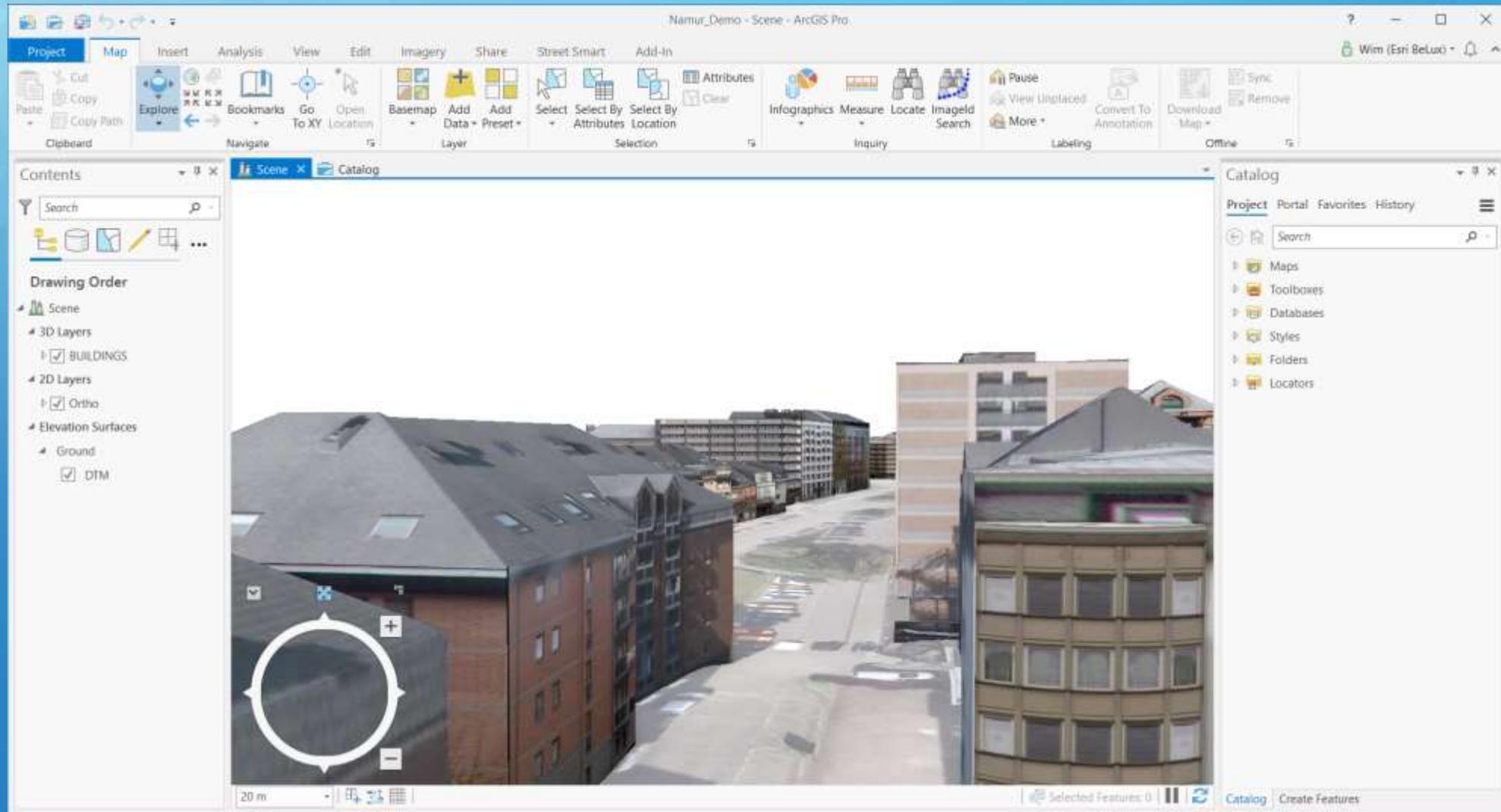


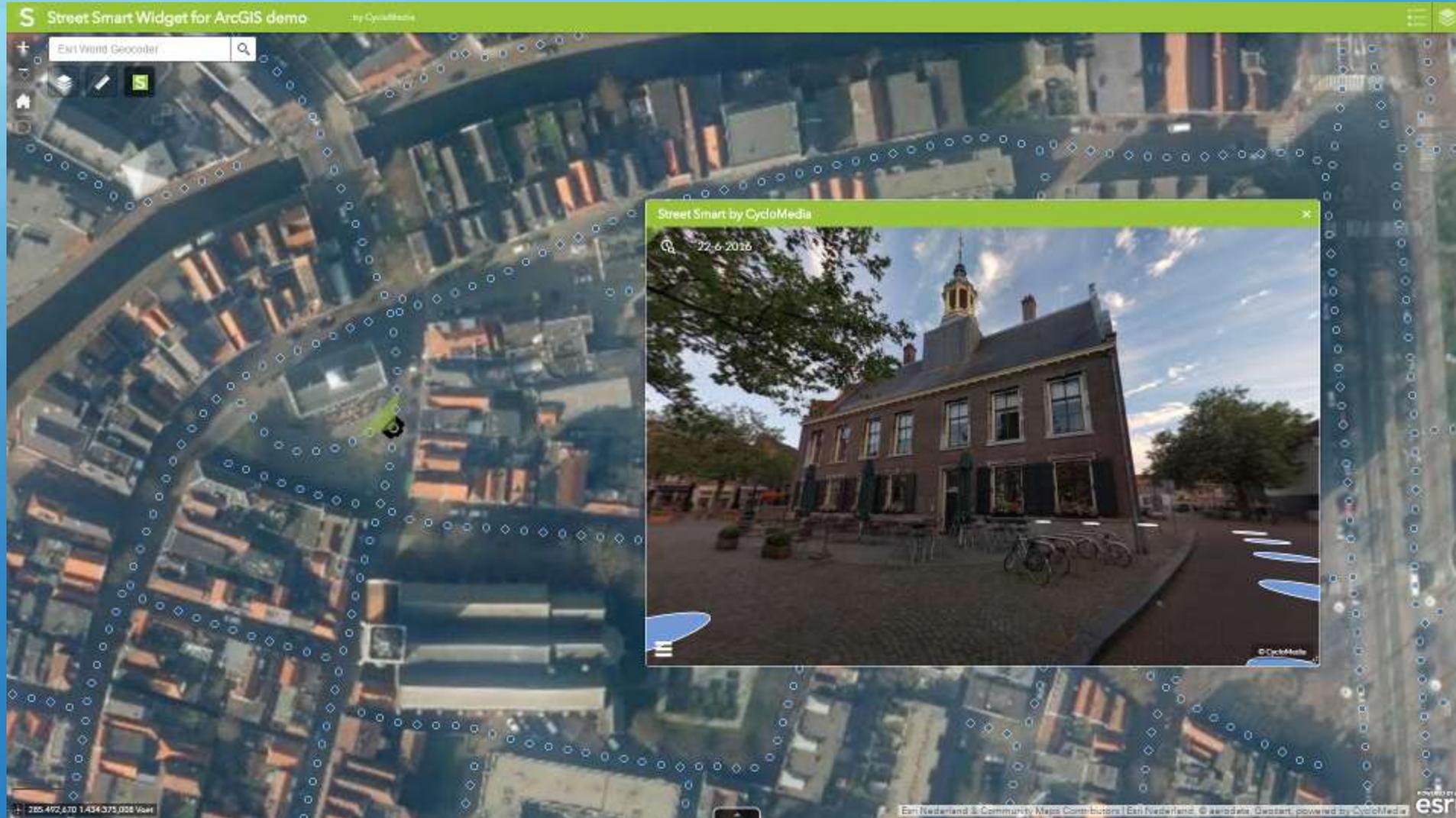


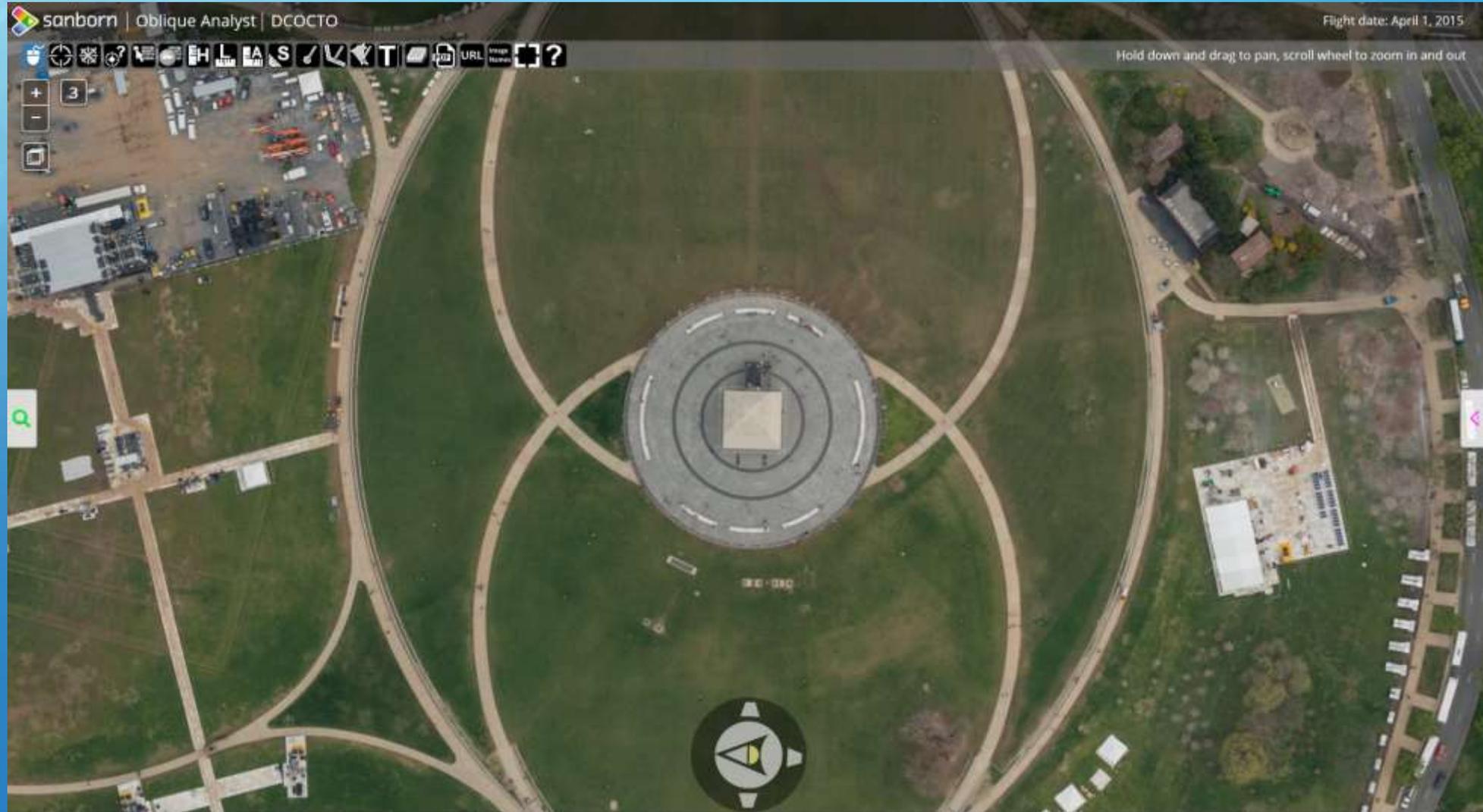


# Oblique Aerial Images from ESRI

# Namur 3D







# Databronnen en partners

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3. Panorama images
4. Oblique or drone images
5. Inspection images (taken at close-range, where the camera pitch can be greater than 90 degrees)
6. Video

**cyclomedia**



 **Mapillary**



# Thank you



## ESRI DAYS 2019

“Where GIS knowledge comes together”



Flanders: **October 15**, Esri BeLux, Nervierslaan 54, Wemmel

Wallonia: **October 24**, Château Ferme de Profondval, Court Saint-Etienne

Luxembourg: **November 20**, Parc Hotel Avisse, Route d'Echternach 120, Luxembourg