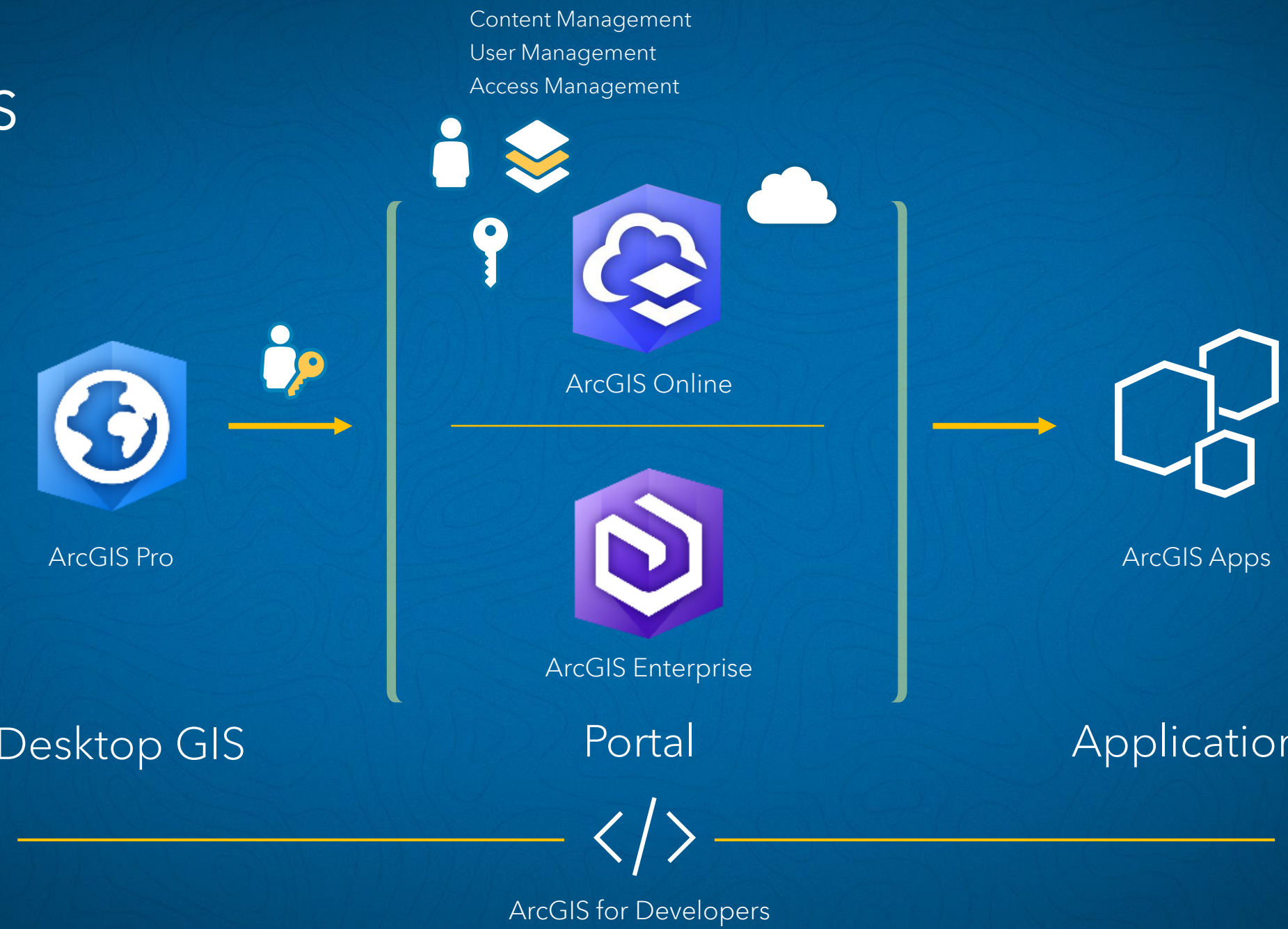
esri Suisse
THE SCIENCE OF WHERE

Neuigkeiten ArcGIS

Egregis Meeting 2019

ArcGIS


Content Management
User Management
Access Management
ArcGIS Online
ArcGIS Pro
ArcGIS Enterprise
ArcGIS Apps
Desktop GIS
Portal
Applications
ArcGIS for Developers

ArcGIS | Implementierung

ArcGIS kann auf verschiedene Arten implementiert werden.

ArcGIS Enterprise

Die Software läuft in der eigenen Infrastruktur und wird von Ihnen betrieben.

ArcGIS Online

Software as a Service.

Die Software läuft in der Esri Cloud und wird von Esri betrieben.

ArcGIS | Implementierung

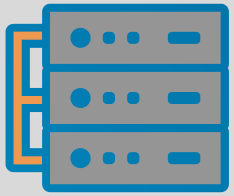
ArcGIS Online & Software as a Service

ArcGIS Enterprise in der eigenen Infrastruktur

ArcGIS Enterprise Software Komponenten

Portal for ArcGIS

Web Frontend und Infrastruktur Backend für die Interaktionen des Anwenders und die Gesamtfunktion des Web GIS

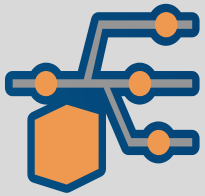


ArcGIS GIS Server

GIS Server als Hosting Server konfiguriert, stellt Layer, Services und Rechenpower für das Web GIS bereit

ArcGIS Data Store

Der von ESRI verwaltete Datenspeicher der die Informationen, die über das Portal geteilt werden, verwaltet



Web Adaptor

Von Esri bereitgestellter Load Balancer und Reverse Proxy, der den Netzwerk Verkehr steuert

Base Deployment

ArcGIS Data Store

- When configured as a relational data store it stores the data that powers your hosted layers

- When configured as a tile cache data store it stores the 3D scene data that power the 3D layers, web maps, and apps within your Web GIS

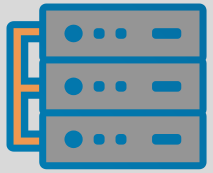
- When configured as a spatiotemporal big data store it distributes (shards) your big datasets, making it more efficient to store and access

- In the base deployment we advise you have ArcGIS Data Store configured as relational and tile cache (can be combined or separate)
  - We recommend you never combine the spatiotemporal big data store with any other data store configuration

Base Deployment und optionale Server

Portal for ArcGIS

Web Frontend und Infrastruktur Backend für die Interaktionen des Anwenders und die Gesamtfunktion des Web GIS



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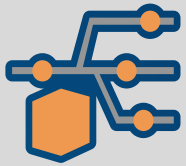


Web Adaptor

Von Esri bereitgestellter Load Balancer und Reverse Proxy, der den Netzwerk Verkehr steuert

GeoEvent Server

Integriert Echtzeit Datenströme in ArcGIS.
Filterung, Analyse und Verarbeitung von Echtzeit Ereignissen (Events)

GeoAnalytics Server

Verteilte Verarbeitung von Vektor basierten Daten.

Ermöglicht Verarbeitung und Analyse von Big Data

Image Server

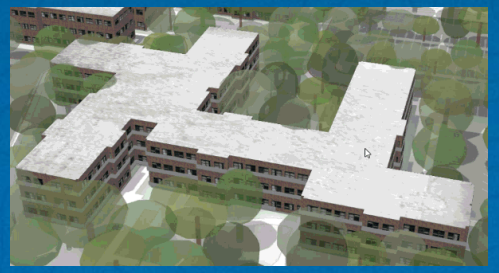
Bereitstellung, Prozessierung und Analyse von sehr großen Image Sammlungen in verteilten Umgebungen.

Dynamische Image Services und Raster Analyse

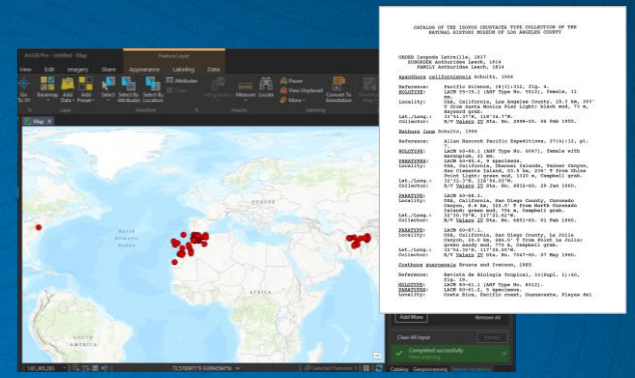
Neuigkeiten in ArcGIS Pro

Revit File Support

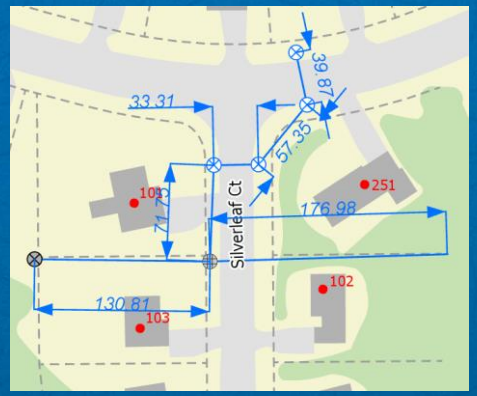
Stream Layer



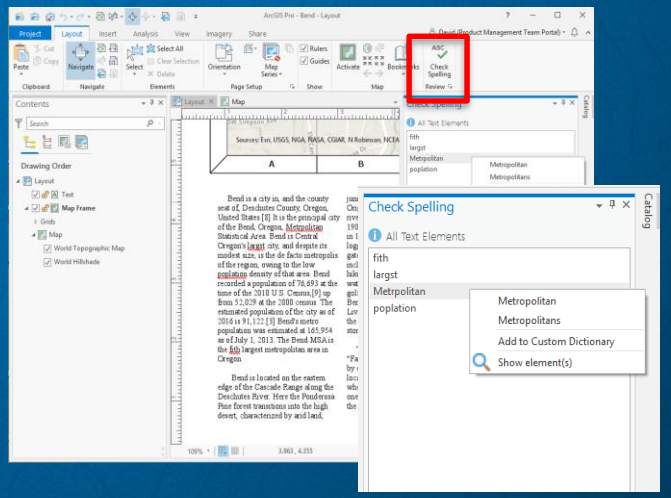
Slice Tool



LocateXT



Dimensions



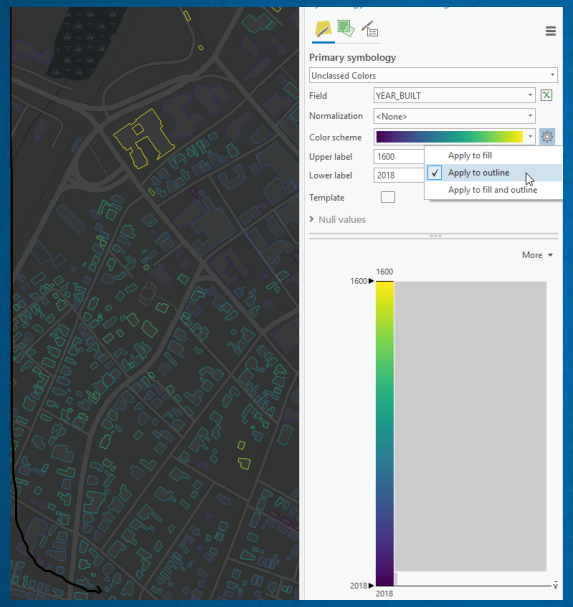
Spell Check

Object Detection

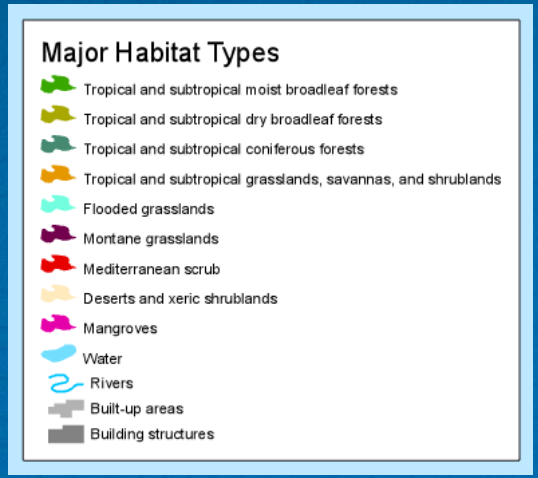
Image Classification

Deep Learning Tools

Neuigkeiten in ArcGIS Pro



Outline Color Ramp



Legend Patch Shapes

Equal Earth Projection

- ArcMap Equivalency
- Drag and drop von Windows Explorer
- Mounted drive
- Imagery Tools
- Publish to ArcGIS Server

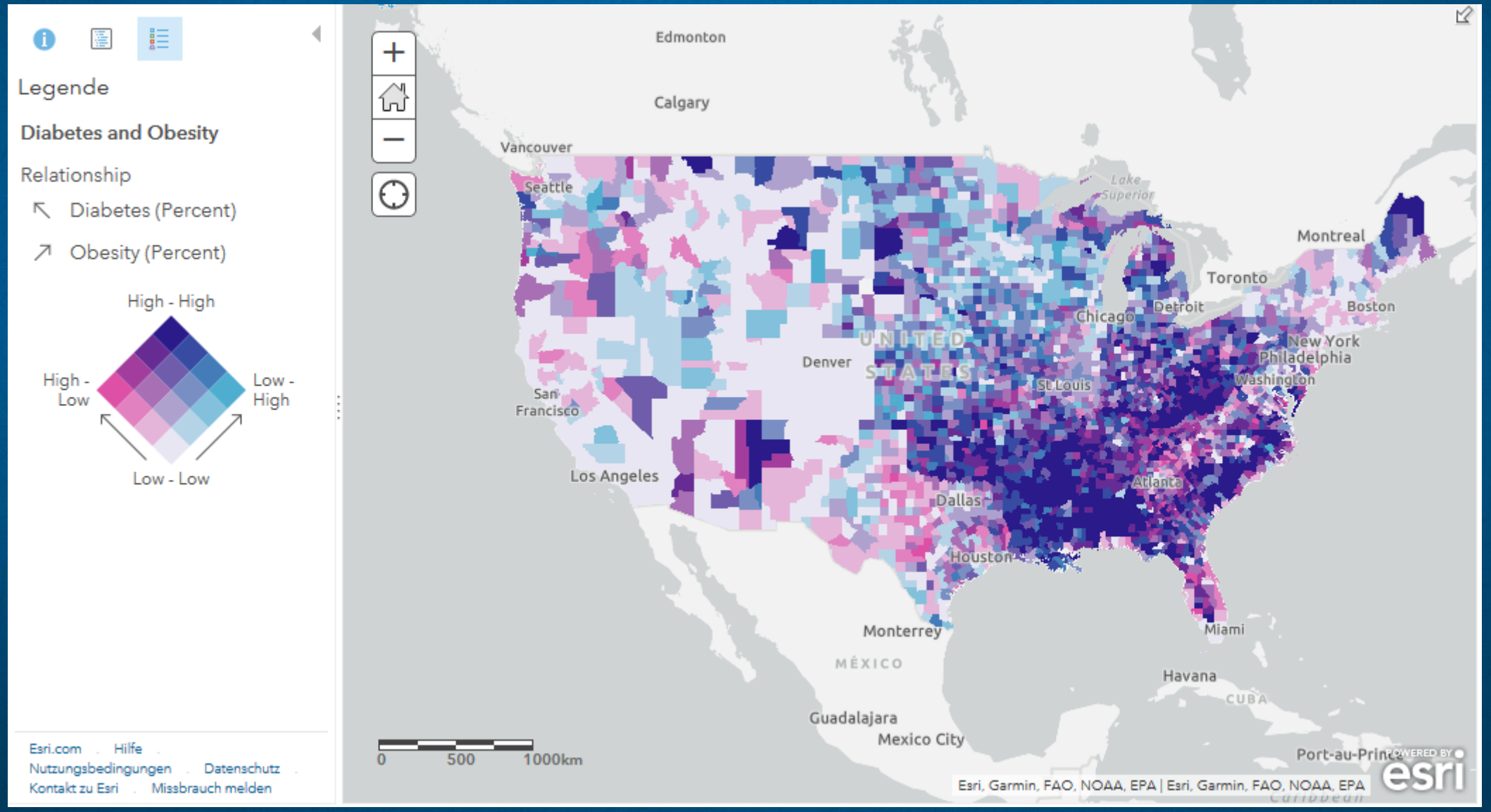
What's new in ArcGIS Pro 2.3 (Video)

ArcGIS Pro 2.3 is here! (Blog)

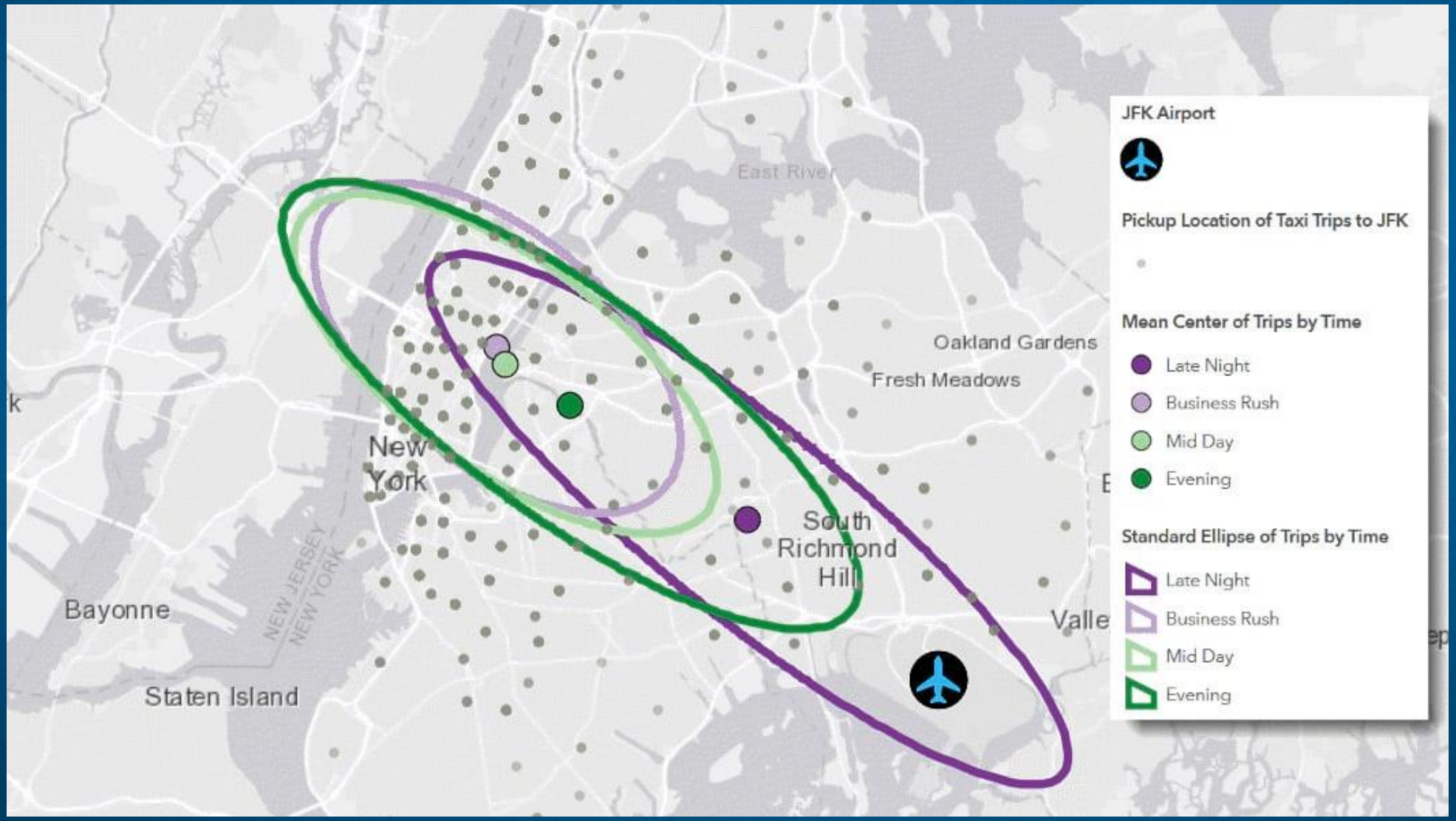
ArcGIS Pro 2.3 ist da! (Blog)

OSMQuery: Einfach Daten aus OpenStreetMap in ArcGIS bringen

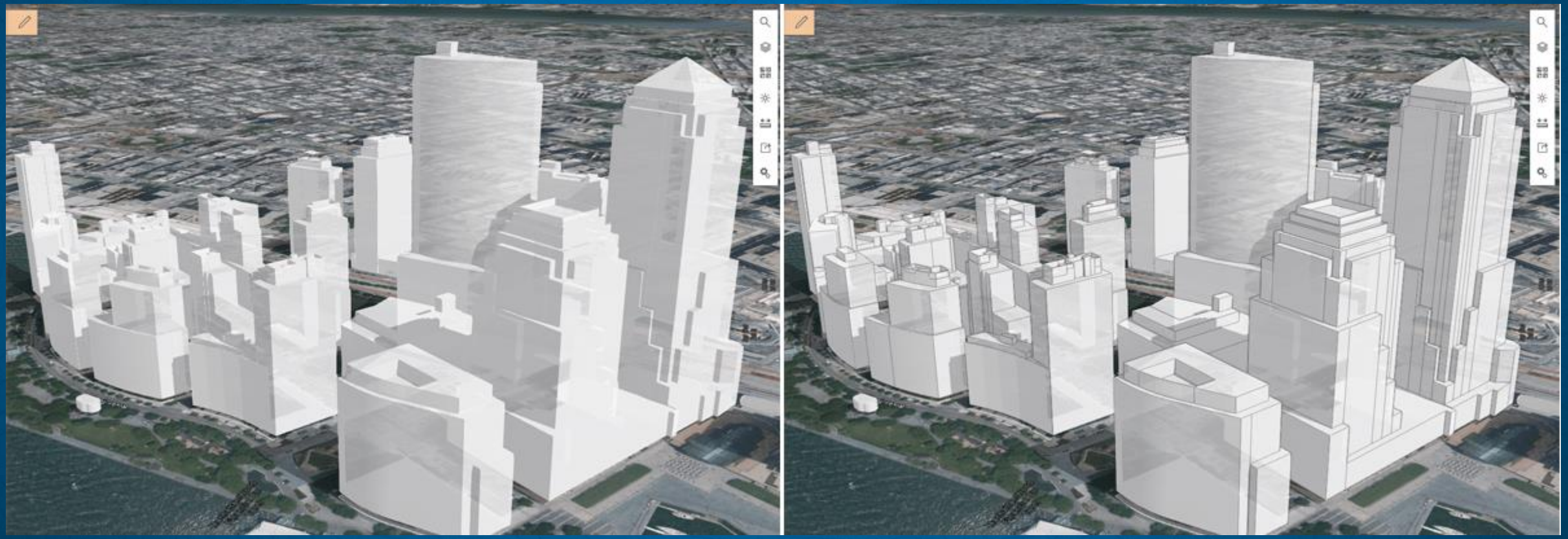
WebGIS – Smart Mapping – Relationship Styles



WebGIS – Spatial Analysis – Summarize and Center Dispersion



3D Scene Viewer – Edge Rendering

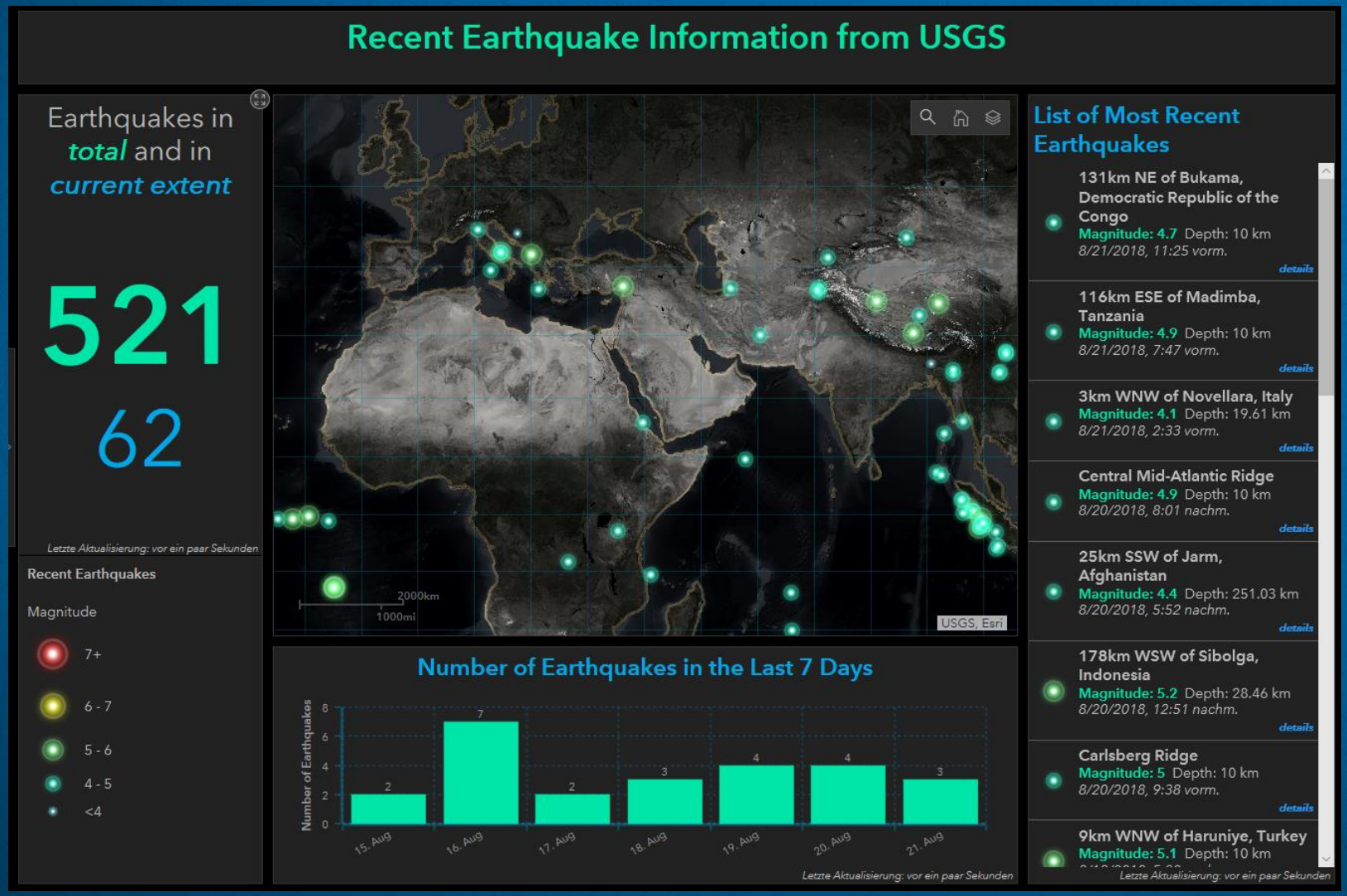


3D Scene Viewer: Slice Tool

- Höhenmodell
- Geologie
- Gebäude
- LIDAR

[Get Started with Scene Viewer]

Operations Dashboard for ArcGIS redesigned



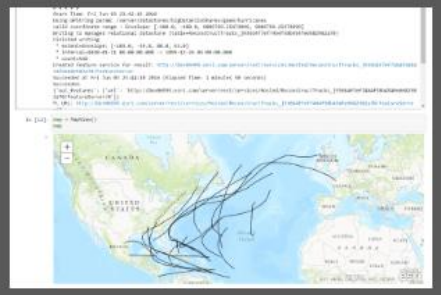
[Beispiel]

[Webinar]

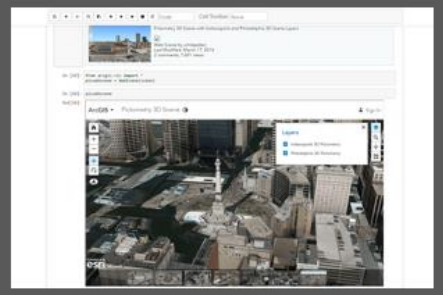
[Get Started]

ArcGIS for Python API

Featured Notebooks



Perform bigdata analytics ›

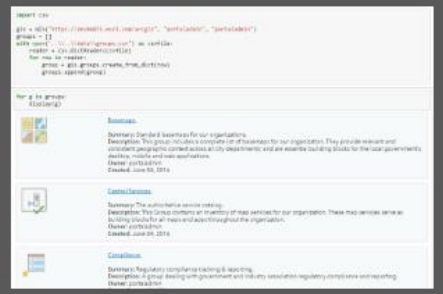


Update web maps and web scenes ›

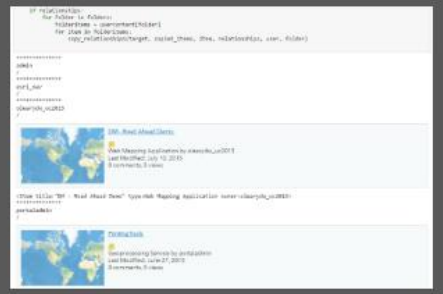
Update features in a feature layer ›

Share your analysis as notebooks ›

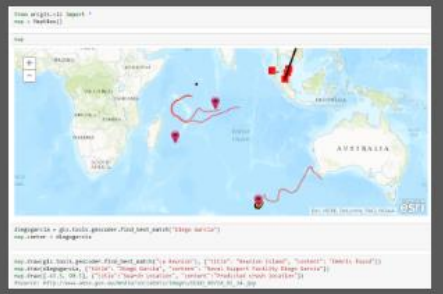
Use image layers and raster analytics ›



Script ArcGIS Portal administration ›



Clone Portal users, groups & content ›

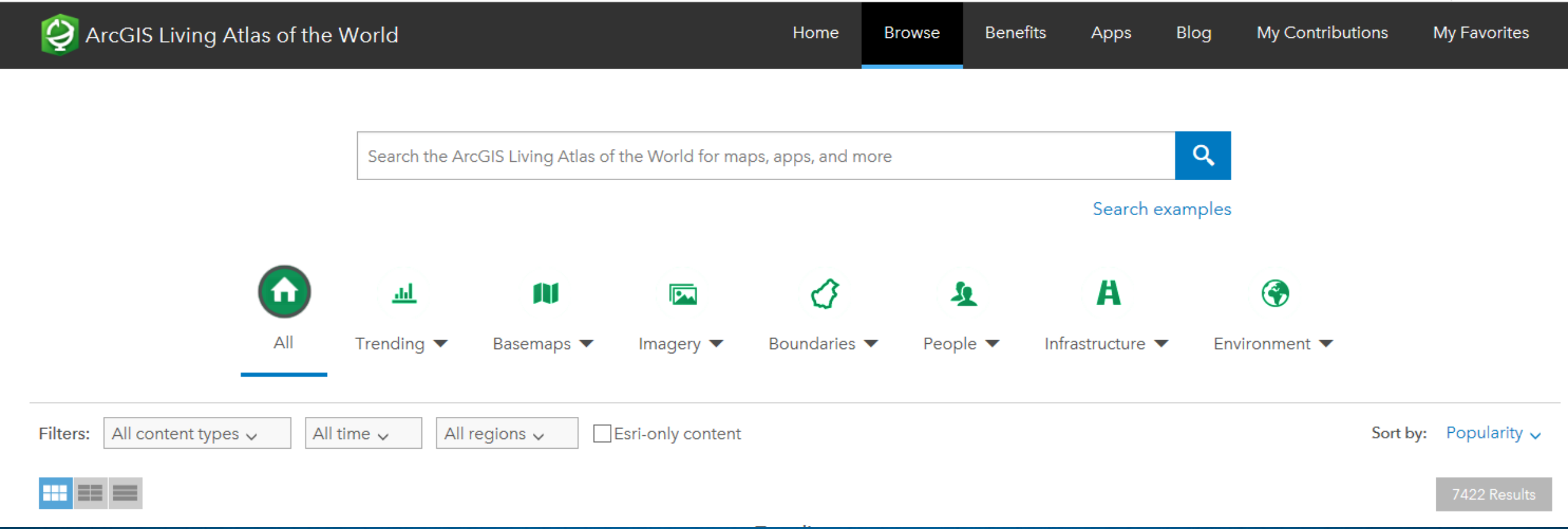


Leverage geoprocessing tools ›

Web Course

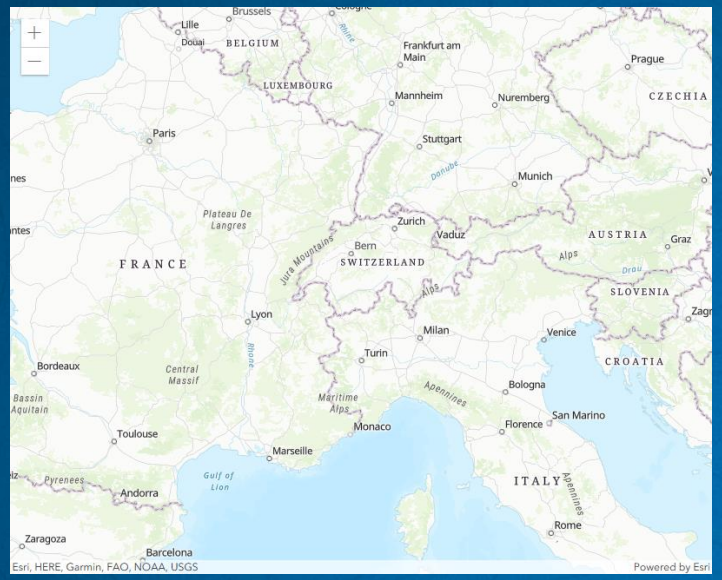
Get started

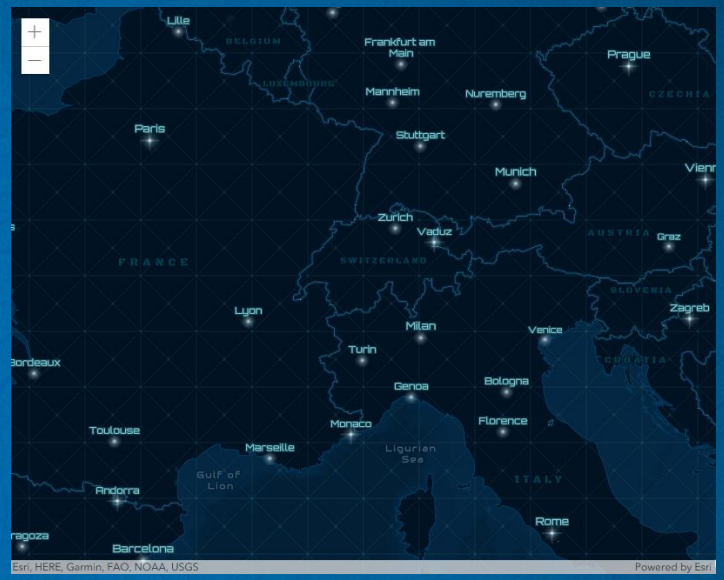
Living Atlas

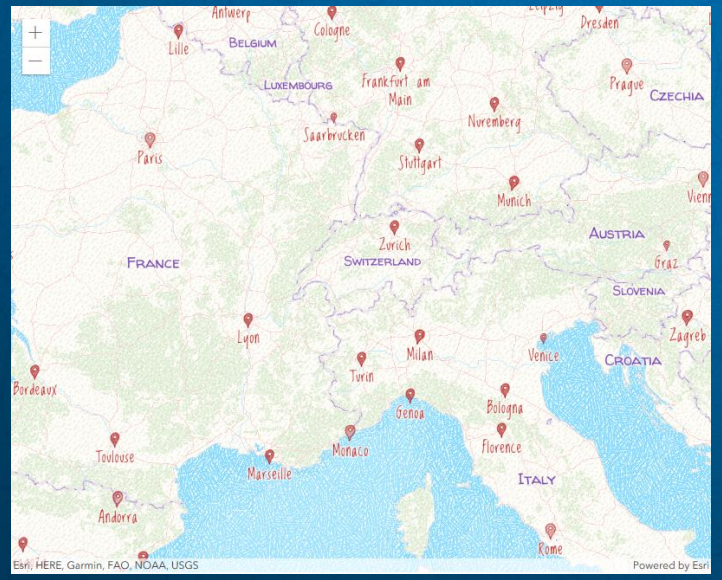


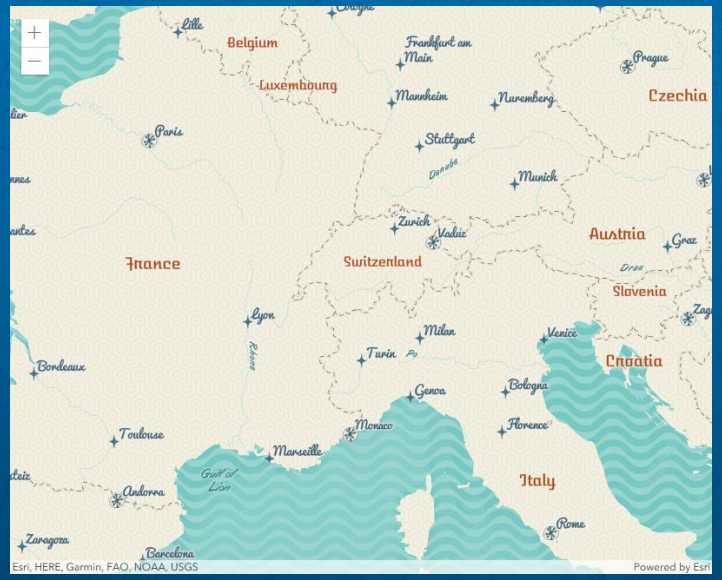
livingatlas.arcgis.com

Vector Tile Basemap Editor









developers.arcgis.com

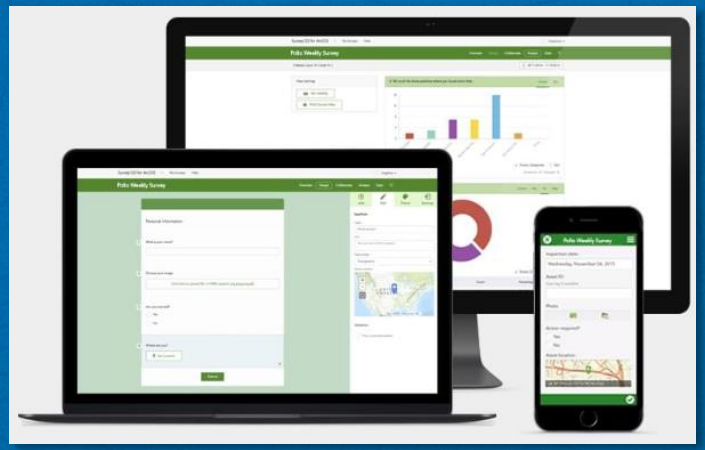
Survey123

1 Fragen stellen

2 Antworten erhalten

3 Antworten analysieren

- Webbasiert
- Online/offline
- Realtime
- Webhooks

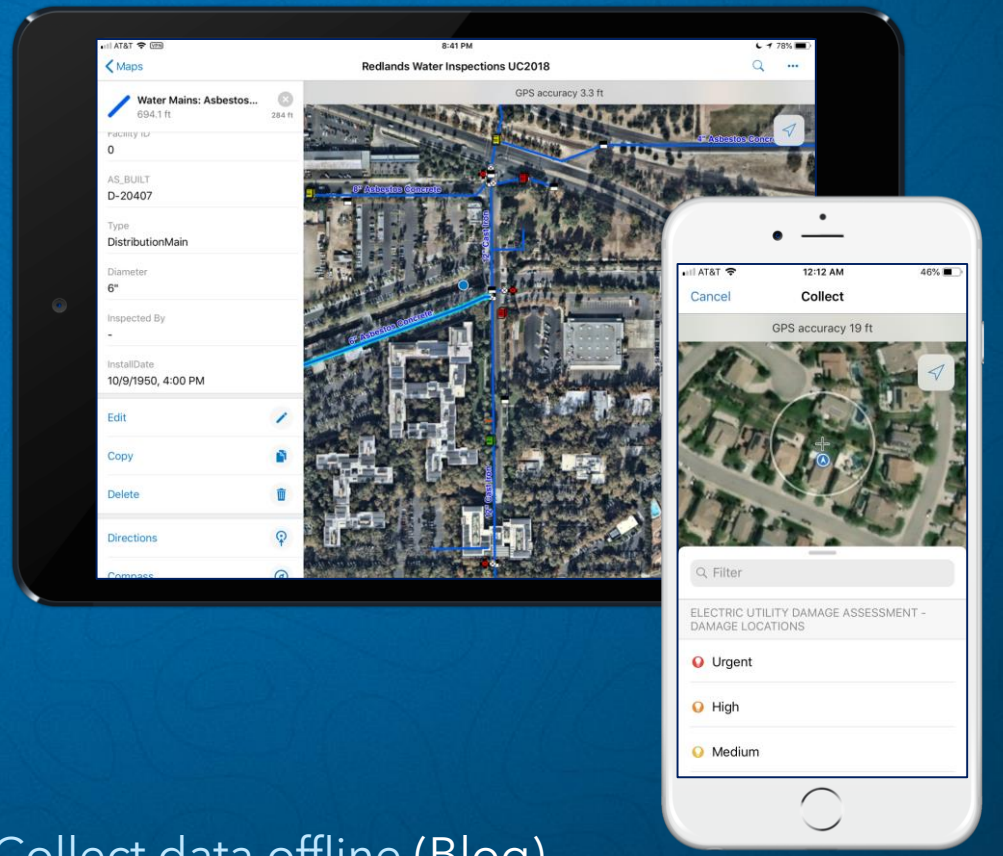


- Survey123 for ArcGIS: author a Survey on the Web
- Automate E-Mail Notifications with Survey123 for ArcGIS
  - 21. Februar 18.00 Uhr
  - 21. Ferbuar 20.00 Uhr
  - 22. Februar 12.00 Uhr

Beispiel

Collector for ArcGIS v18.1.0 (Aurora)

- Status
  - IOS: Released Dezember 2018
  - Android: Final Release Q2 2019
- Neuigkeiten
  - Vector Basemaps, Symbolisierung
  - Verbesserte Eser Experience
  - Datenerfassung vereinfacht
  - Barcode Scanner
  - Kompass
  - Gebiete für Offline Erfassung vordefinieren
  - Auto-Sync



Collect data offline (Blog)

BIM

What's new for CAD and BIM (Blog)

Web GIS

Indoors

Urban

Hub

ArcGIS

Autodesk AEC Collection

AutoCAD

Civil 3D

InfraWorks

Revit

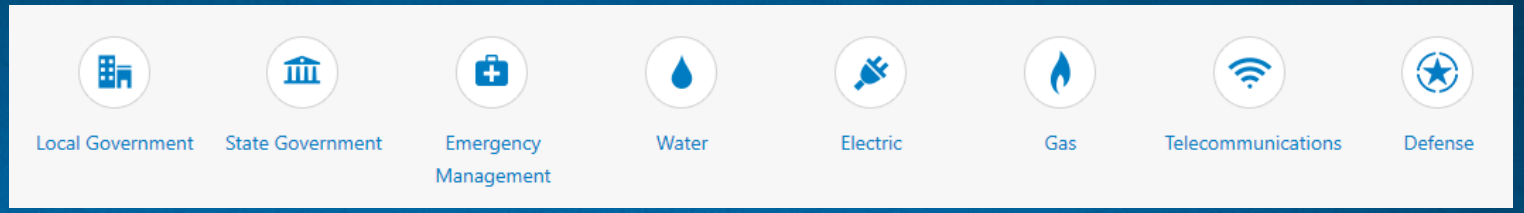
ArcGIS Online

BIM 360

Beispiel Web Scene

ArcGIS Solutions

solutions.arcgis.com



- Konfigurierbare Templates für spezifische Workflows
- Beispiel: 3D-Modell aus LIDAR-Daten erstellen

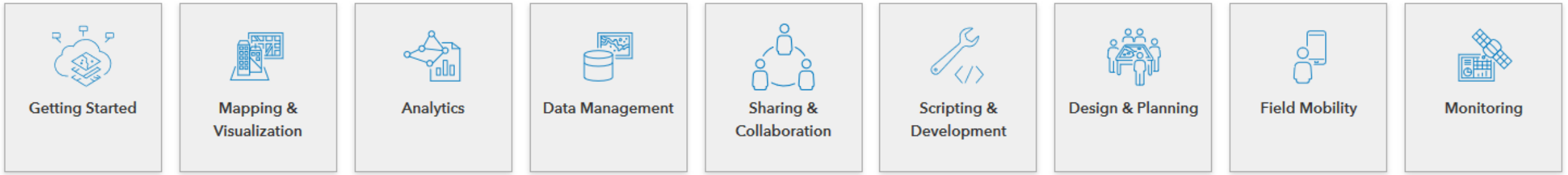
1. Download ArcGIS Pro Package
2. Follow Task
3. Get Basic, Schematic or Realistic 3D Scene

Benötigte Daten
- LAS Datensatz

Zusätzliche Daten
- Gebäude Footprints
- Höhenmodell

E-Learning

www.esri.com/training

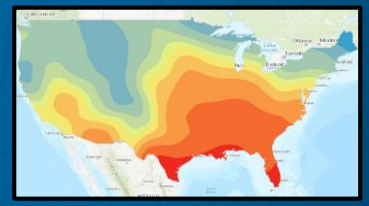


- 678 Tutorials, Web Courses, Videos, E-Learning Modules
- Erstellen von Learning Plans

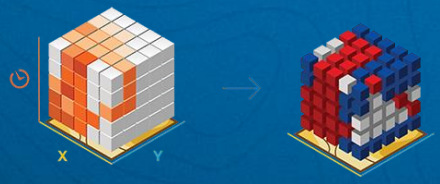
Demo

ArcGIS – Machine Learning

Classification



Prediction



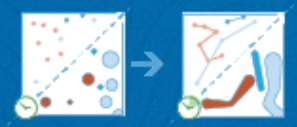
Clustering

ArcGIS

Machine Learning Tools in ArcGIS

Classification

- Maximum Likelihood Classification
- Random Trees
- Support Vector Machine



Clustering

- Spatially Constrained Multivariate Clustering
- Multivariate Clustering
- Density-based Clustering
- Image Segmentation
- Hot Spot Analysis
- Cluster and Outlier Analysis
- Space Time Pattern Mining

Prediction

- Empirical Bayesian Kriging
- Areal Interpolation
- EBK Regression Prediction
- Ordinary Least Squares Regression and Exploratory Regression
- Geographically Weighted Regression
- Forest Based Prediction

ArcGIS – Machine Learning Workflow

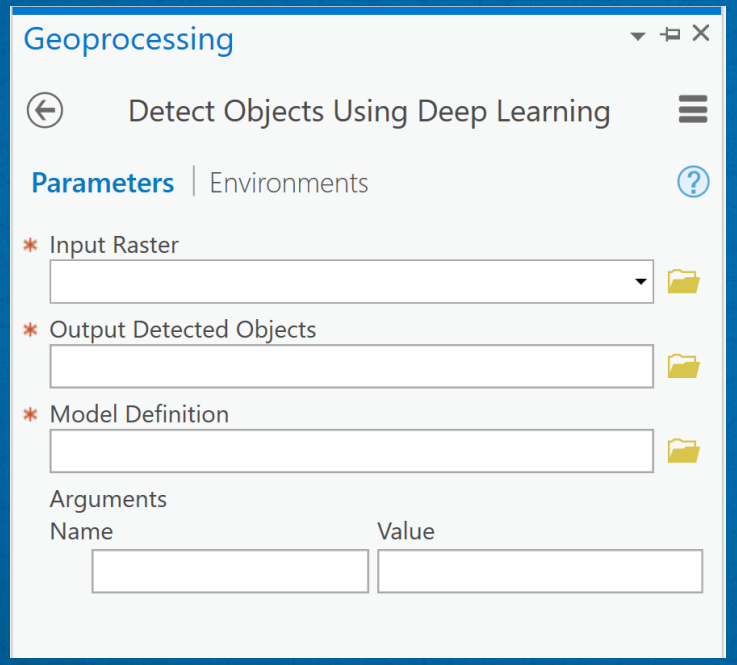
Workflow including training

Detect Objects Using Deep Learning

Imagery

Model

Detected Objects
GP Tool



Detected Objects

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Angebote für Hoschulangehörige

Egregis Meeting 2019

Die Esri Educational Site License – Übersicht

- ArcGIS Online
  - *Anbindung an SwitchAAI möglich (bei Interesse bitte melden!)*
- ArcGIS Web and Mobile Apps
  - *Esri Story Maps, Collector for ArcGIS, Operations Dashboard for ArcGIS, Explorer for ArcGIS, Workforce for ArcGIS, Survey123 for ArcGIS, ArcGIS Earth, ArcGIS Maps for Power BI, ArcGIS Maps for Office, Esri Maps for SharePoint, ArcGIS Open Data, AppStudio for ArcGIS Basic, Web AppBuilder for ArcGIS, Crowdsource Reporter, Crowdsource Manager, Crowdsource Polling, Photo Survey*
- ArcGIS Premium Apps
  - *Business Analyst Web app, Business Analyst Mobile app, Esri Community Analyst, GeoPlanner for ArcGIS, Insights for ArcGIS*
- ArcGIS Enterprise
  - *Extensions*
  - *Level 2 Named Users*
  - *Image Server, GeoEvent Server, GeoAnalytcs Server*

Die Esri Educational Site License – Übersicht

- ArcGIS Desktop
  - *ArcGIS Pro und ArcMap inkl. Extensions*
- Esri CityEngine
- ArcGIS Developer Subscription

Produkte der Educational Site License dürfen nur für Forschung und Lehre (und Administration) eingesetzt werden. Für kommerzielle/produktive Projekte wird eine entsprechende Lizenz benötigt.

ArcGIS für Studierende

- Studierende dürfen für Forschung und Lehre die Produkte der Esri Educational Site License verwenden.

Esri Young Scholar Award

- 1 Bachelor-/Masterarbeit wird pro Jahr mit dem Esri Young Scholar Award ausgezeichnet
- Preis: Reise nach San Diego an die Esri User Conference
- Teilnahmebedingungen: An einer Schweizer Universität eingeschriebene Studenten, die 2018/19 eine Arbeit eingereicht haben und Technologie von Esri verwendet haben
- Einsendeschluss: 31. März 2019

Esri Switzerland Young Scholar Award 2019

Schulungen

50% Rabatt für Hochschulangehörige

- Einführung in ArcGIS Desktop mit ArcGIS Pro
  - Zürich: 12.-14.03.2019
  - Zürich: 04.-06.06.2019
- ArcGIS Pro: Einführung für ArcMap Umsteiger
  - Zürich: 20.–21.03.2019
  - Zürich: 20.-21.05.2019
- Felddatenerfassung und –verwaltung mit ArcGIS
  - Zürich: 16.-17.05.2019
- FME für ArcGIS Anwender
  - Zürich: 12.-13.06.2019
- Installation und Konfiguration von ArcGIS Enterprise
  - Zürich: 18.-19.03.2019

Kontakt

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