ArcGIS Pro: An Introduction

Harry Moore IV and Crystal Dorn

Esri Pacific User Conference

October 13 – 14, 2014 | Sacramento
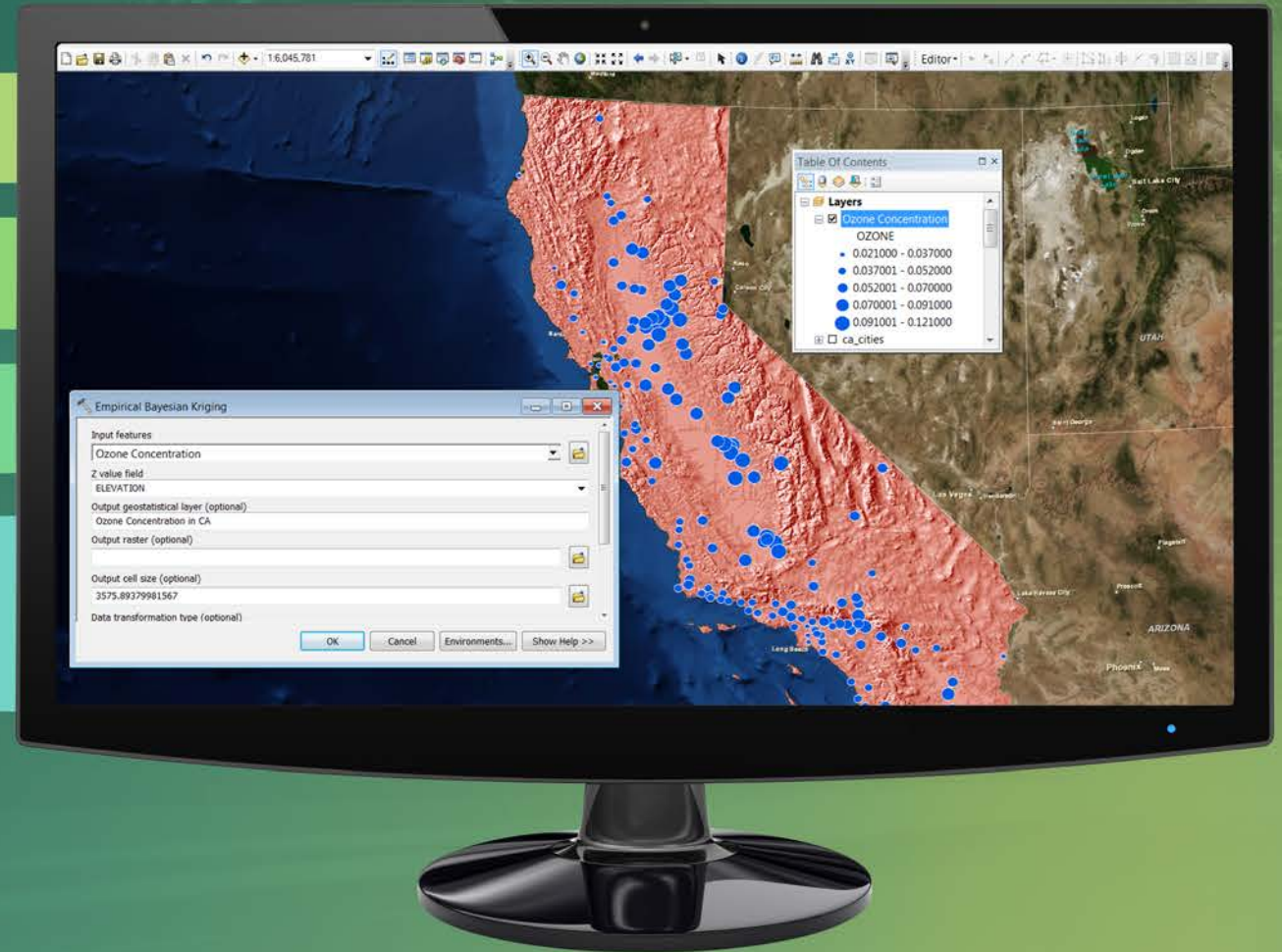
Agenda

- **Introduction to ArcGIS Pro**
  - **What is ArcGIS Pro?**
  - **Functionality tour**
  - **Licensing**
  - **Additional resources**
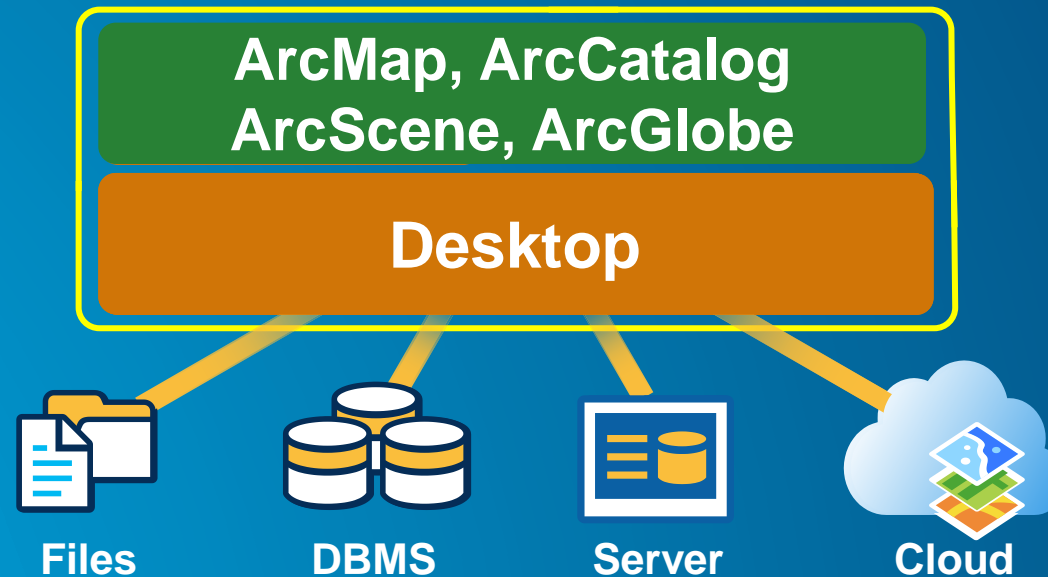
Manage your Data

Perform Advanced Analysis

Model and Automate Workflows

Display your results on Professional Quality Maps
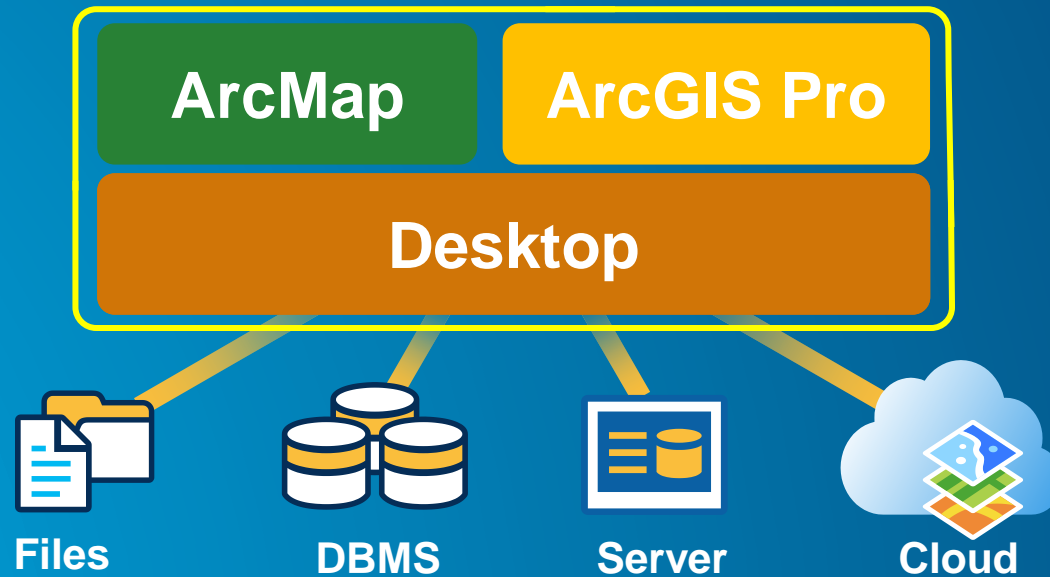
ArcGIS for Desktop *today*

- **Current release is version 10.2.2**
- **Licensed : Basic, Standard, Advanced**

**ArcMap, ArcCatalog
ArcScene, ArcGlobe**

Desktop

Files   DBMS   Server   Cloud
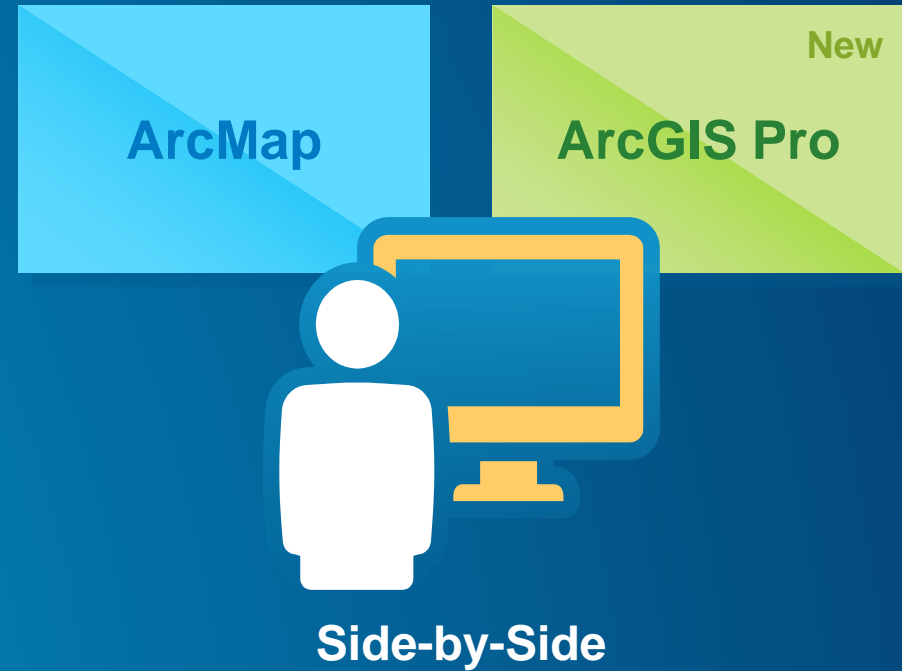
ArcGIS Pro

A New Application for Desktop

- Improved User Experience
- Very Fast, 64 bit
- Combined 2D and 3D
- Project focused
- Powerful Analysis
- Multiple Layouts

ArcMap	ArcGIS Pro
Desktop	

Files   DBMS   Server   Cloud

Is ArcGIS Pro a replacement for ArcMap?   No

- **It's a new application, not a replacement**
- **ArcMap continues to get better**
- **ArcMap and Pro run side by side**

ArcMap

New

ArcGIS Pro

Side-by-Side

What you get with ArcGIS Desktop

ArcGIS for Desktop
ArcMap + ArcGIS Pro

Web GIS

Familiar Extensions

- **Spatial Analyst**
- **3D Analyst**
- **Network Analyst**
- **Geostatistical Analyst**
- **Data Reviewer**
- **Workflow Manager**
- **Data Interoperability**
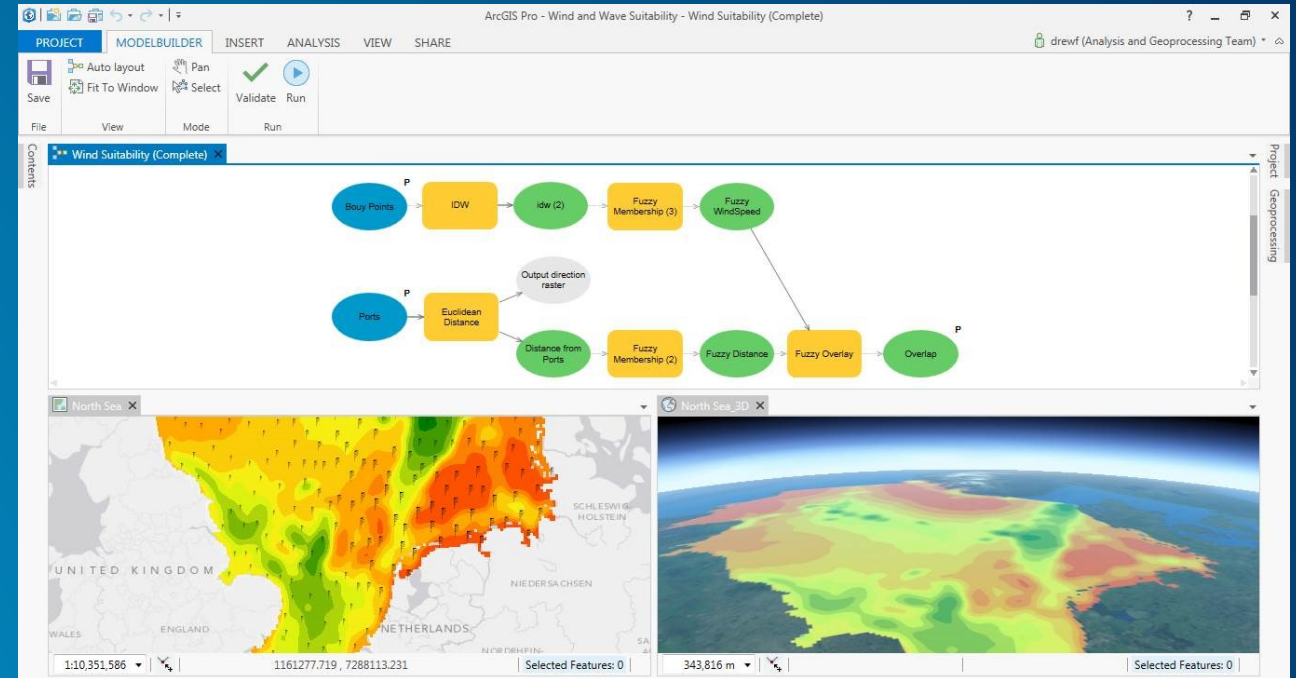
Demo: Getting Started

Editing and Data Management Overview

- **EDIT ribbon tab and Tools gallery**
  - **Always editing all layers you have permissions to edit**
- **Enhanced Undo/Redo**
- **Multiple workspaces edited at same time**
- **Tools available in multiple places (toolbar, modify pane, context menu)**
- **Tools always enabled**
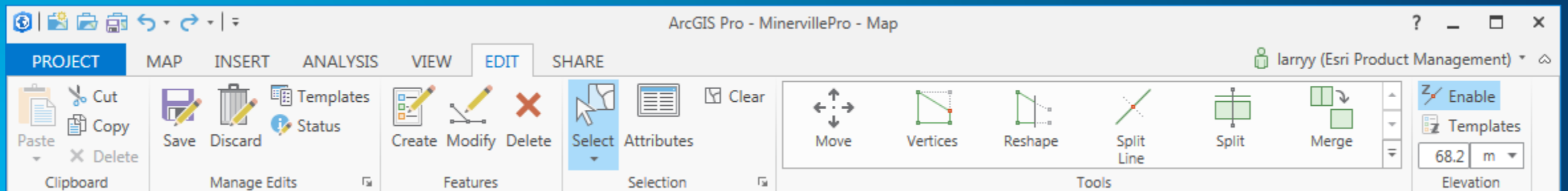
Demo: Editing in ArcGIS Pro

Post 10.3 – Editing and Data Management

- **Future releases:**
  - **Land Records**
    - **Parcel fabric**
    - **Topology**
    - **COGO**
  - **Utilities Networks**
  - **Annotation**
  - **Dimensions**
  - **Spatial Adjustment**

Analysis in ArcGIS Pro

**ArcGIS Pro provides incredible capabilities for performing analysis in 2D and 3D**

- **Geoprocessing**
- **Raster analysis**
- **Network analysis**
- **3d analysis**
- **Statistical analysis**
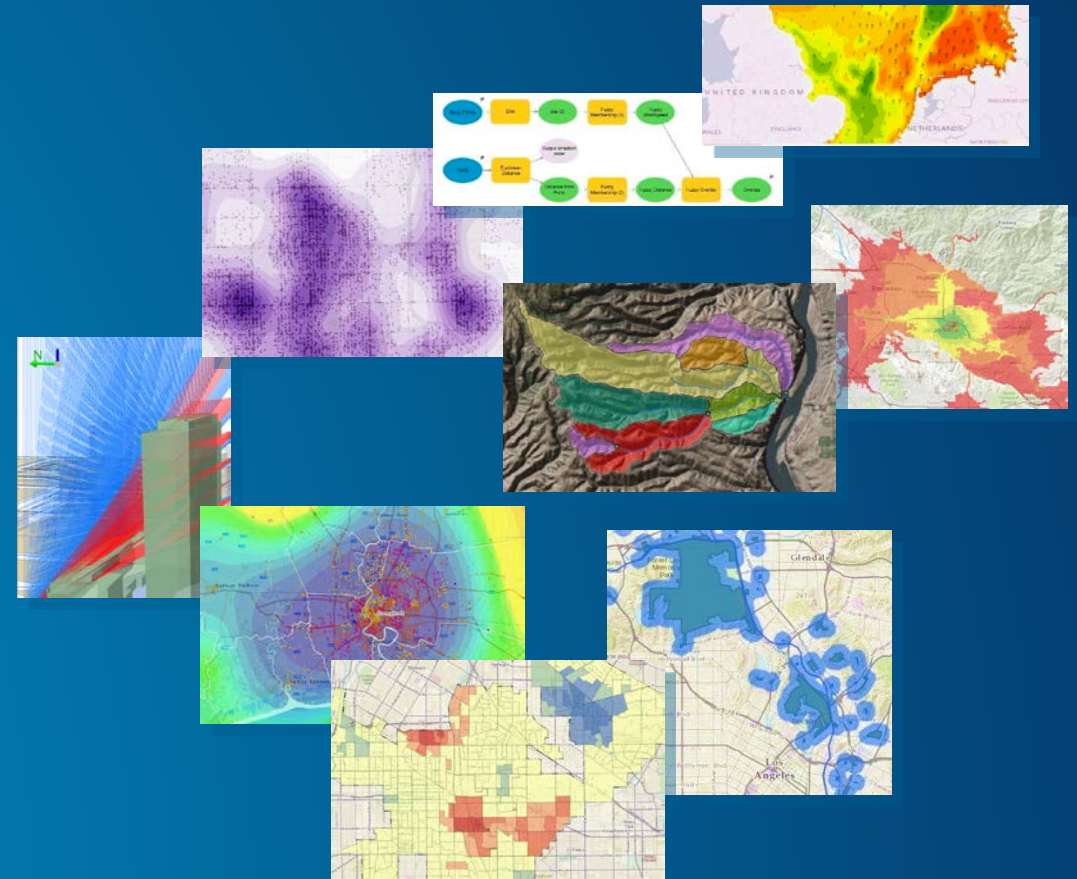
Analysis in ArcGIS Pro

The ANALYSIS ribbon tab provides access to

- **Gallery of powerful analytic tools**
- **Geoprocessing tools**
- **Python command line**
- **ModelBuilder**
- **Network analysis**
- **Imagery processing**
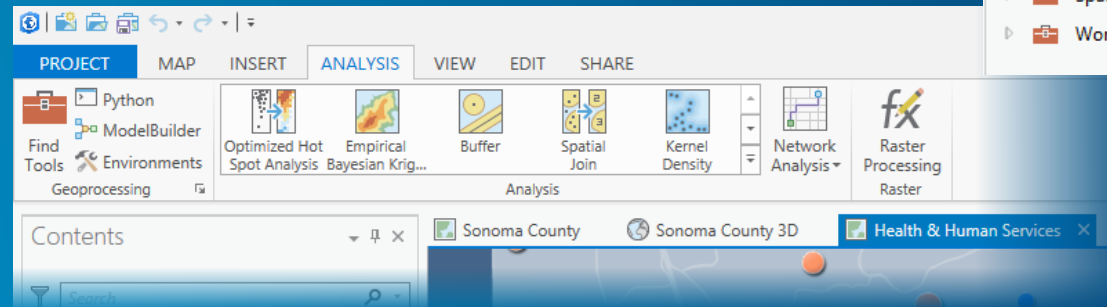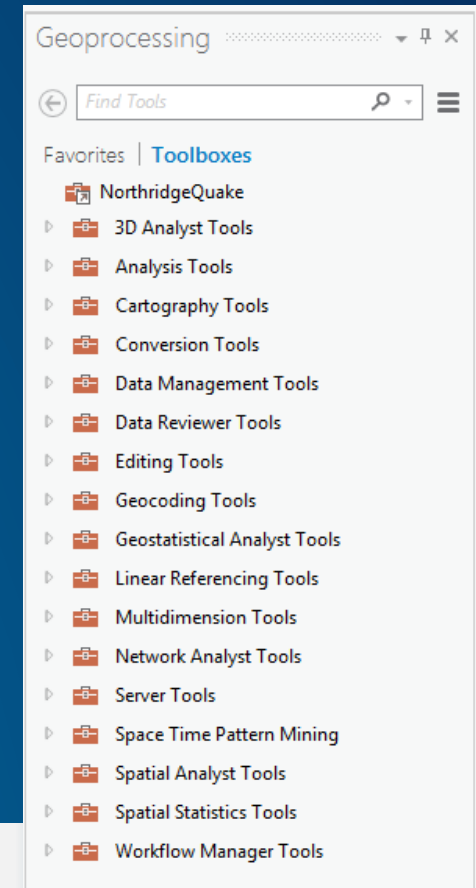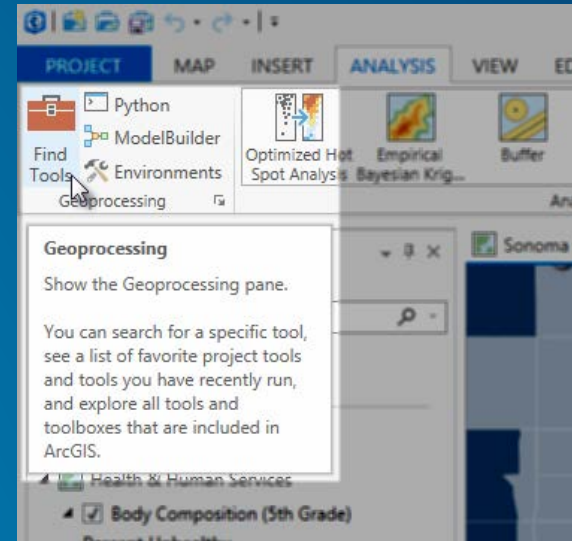
Familiar user experience…

Demo: Analysis in ArcGIS Pro

Additional notes about Analysis

- **Most tools, models, and Python scripts from ArcMap will work in Pro, except:**
  - **ArcObjects-based custom tools**
  - **Personal Geodatabase tools**
  - **Others documented here**
- **Tip: Analyze for Pro tool**
- **Geostatistical Wizard added in later releases (but includes existing geoprocessing tools)**

Creating and Sharing Maps Overview

- **Unified 2D / 3D mapping experience**

- **Multiple maps AND layouts in one project**

- **Modern graphics support**
  - **Anti-aliasing**
  - **True transparency support**
  - **Improved drawing performance and application responsiveness**

- **Enhanced PDF exporting**
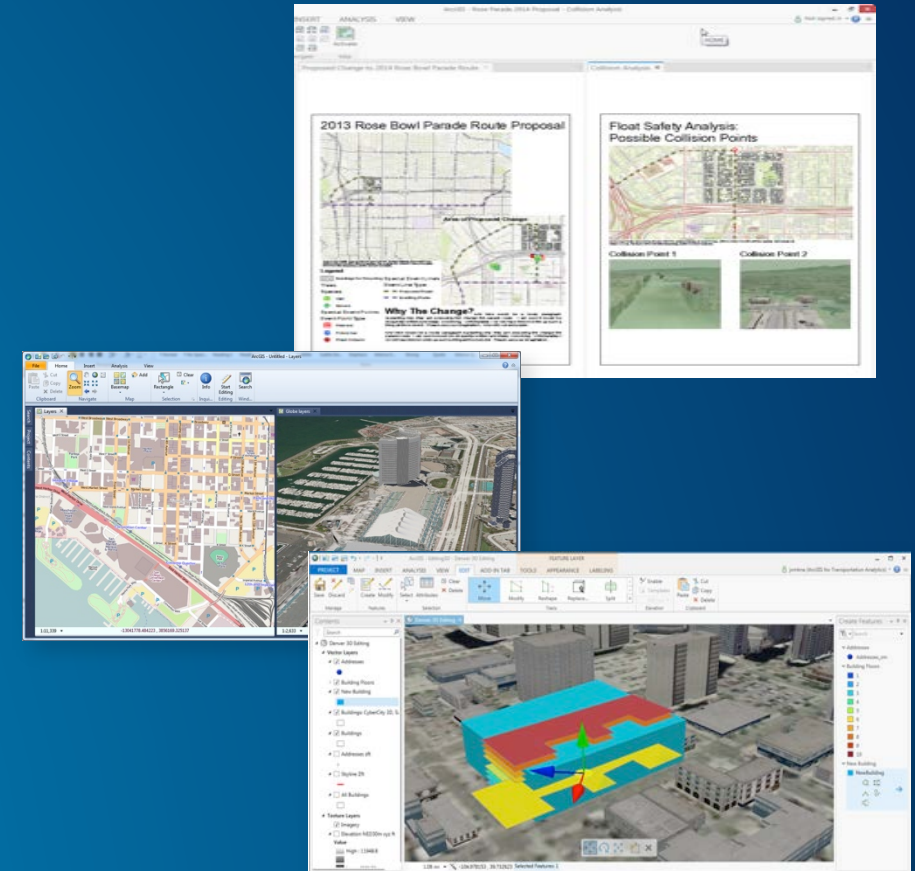
Integration with ArcGIS Online

Story Maps

Dashboard

- **Content**
  - ArcGIS Online
  - Your Organization
- **Sharing**
  - Publish and share maps

Explorer
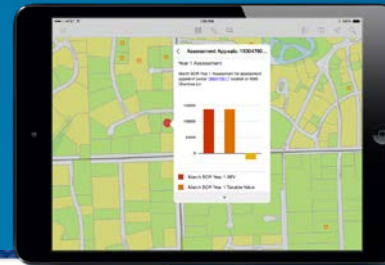
Open Data
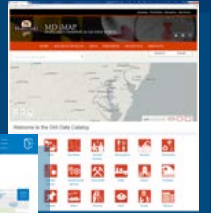
Briefing Book
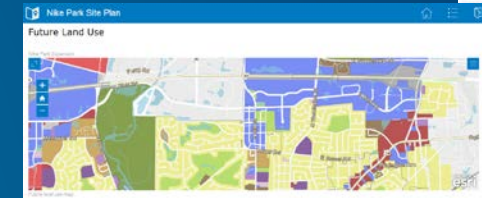
Web Templates
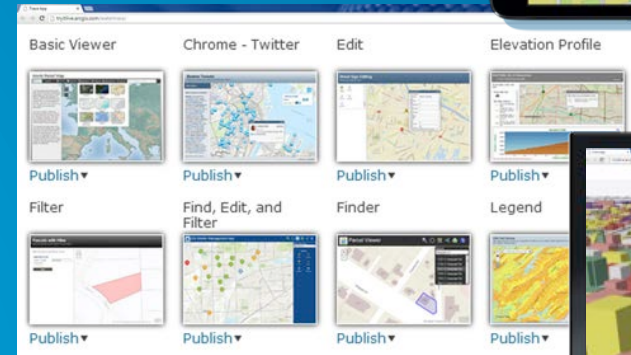
Web Scenes
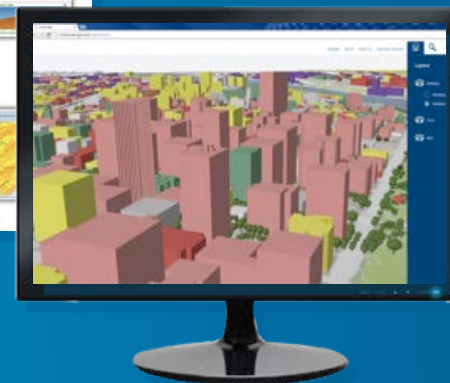
Collector

Demo: Creating and sharing maps

Getting ready for ArcGIS Pro

Know before you Pro!

ArcGIS 10.3 Pre-release is now available to all current customers!
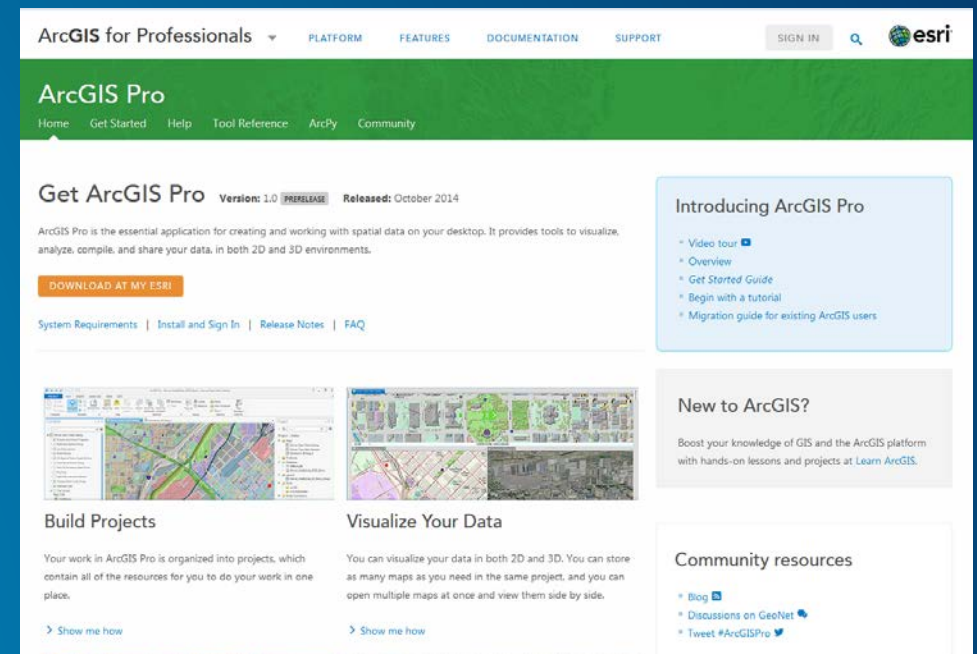
For ArcGIS Pro (watch this):

1. Primary Maintenance Administrator:
- Downloads from http://My.Esri.com

2. ArcGIS Online Administrator
- Provision licenses for Pro

Additional Help for current Desktop:
Upgrading ArcGIS for Desktop 10.3

ArcGIS Pro licensing

- **Access by Named User**
  - **ArcGIS Desktop Entitlement Subscription**
  - **ArcGIS Online Organization or Portal for ArcGIS for Server**

- **Organization/Portal 'Administrator' can:**
  - **Grant Pro access by Named User**
  - **Control product level and extension**
  - **Re-assign access as needed**

- **ArcGIS Pro User can:**
  - **Sign-in at startup**
  - **Go offline if needed**

Resources

- **ArcGIS Pro – Technology website**
  - http://pro.arcgis.com/en/pro-app

- **Getting Started**
  - http://pro.arcgis.com/en/pro-app/get-started/overview-of-arcgis-pro.htm

- **Product Site**
  - http://www.esri.com/software/arcgis-pro

- **What's Coming in ArcGIS**
  - http://www.esri.com/software/arcgis/whats-coming

- **Twitter**
  - @ArcGISPro
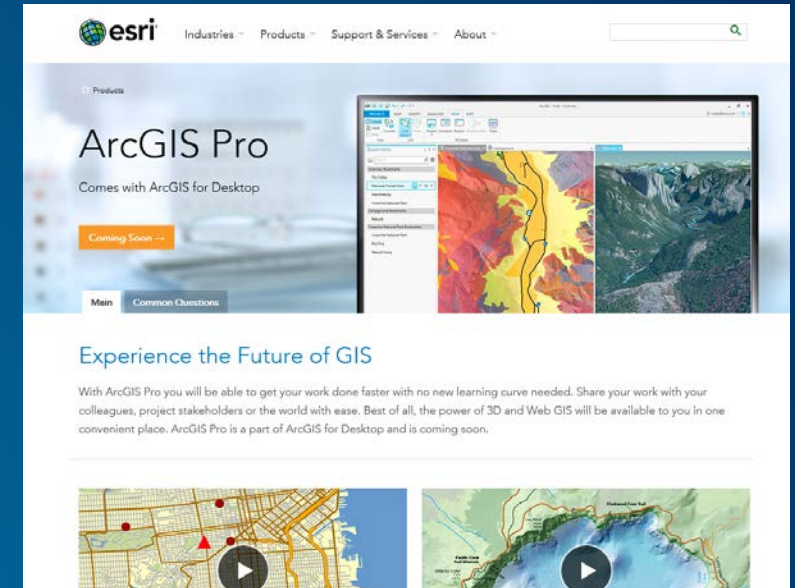
Learning more

- **See us in the booth!**

- **Back at work:**
  - **Pro Pre-release access**
  - **GeoNet and Tech Support**

- **When Released**
  - **Web Course: Getting Started with ArcGIS Pro**
  - **Instructor Lead Course - Using ArcGIS Pro for GIS Workflows**

Understanding our world.