

ESRI User Conference
San Diego, CA
July 10-14, 2017

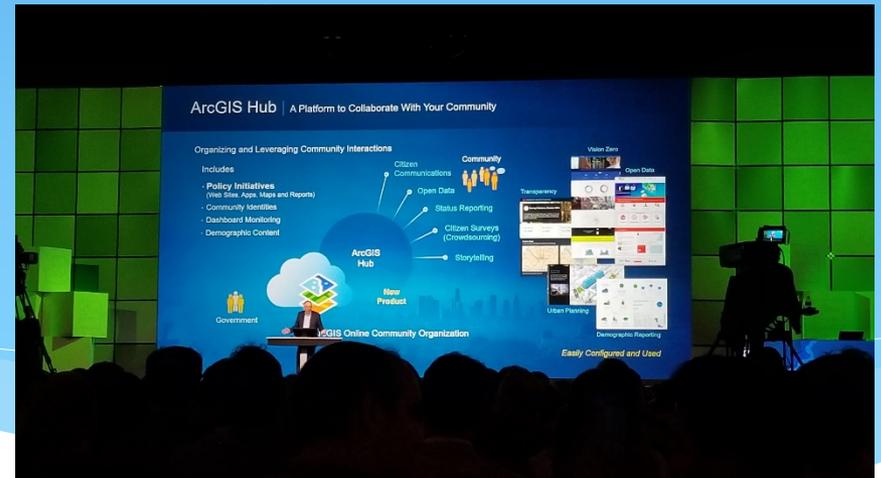
UC

Esri User Conference

Applying The Science of Where

July 10 - 14, 2017 | San Diego Convention Center
San Diego, California

GIS Vision- Where Are We Going?



GIS Vision- Where Are We Going?

ArcGIS | A Platform for Developers

Major Advancements

- JavaScript Runtime
- Python Web Scripting
- Pro Customizations

Runtime SDKs

- Python API
- JavaScript API

Open Development and Scripting Tools

For Devices, Web, and Desktop

New Developer Programs

Supporting Enterprise Developers and the Creative "Maker" Community

Focused Application Products | For Specialized Needs

Geodesign

Location Intelligence

Domain-Specific Apps

CityEngine

Business Analyst

SDI (deports)

Alports

Extending the Platform

ArcGIS Enterprise Builder

Chef Cookbooks

Cloud Builder & AWS CloudFormation

amazon web services

Microsoft Azure

CHEF

The Road Ahead

Incremental Software Release

Continuous Online Improvements

10.5.1 Pro 2.0

10.6 Pro 2.1

10.6.1 Pro 2.2

2016

2017

2018

Augmented Reality

3D

Smart Mapping

GeoAnalytics

Distributed GIS

Big Data

Spatiotemporal

Scientific Modeling

Urban Design

Microservices

... Focused on Quality, User Needs, and Innovation

ArcGIS Online | ArcGIS Delivered as SaaS

Desktop

Apps

Web

Mobile

Cloud

APIs

Clouding Products

4.4 MILLION Users

3 BILLION Tiles Served / Day

11 MILLION Items

40+ MILLION Over Data Downloads

New and Improved

- Smart Mapping (2D / 3D)
- Vector Tiles
- Analysis
- Enhanced User Experience
- Automate Tile Generation
- Standardized OGC (WMS, WMTS, WFS, etc.)
- Administration
- New Views Role

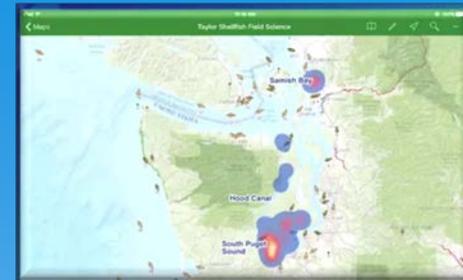
Coming

- Improved Search and Metadata
- Collaboration
- Chaining
- Clustering

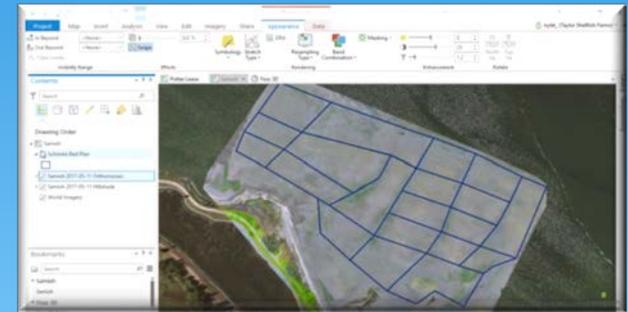
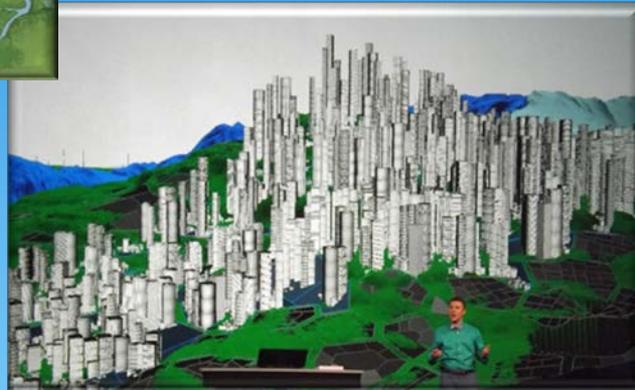
A Global Community

... Finding, Exploring, Mapping, and Sharing

Highlights



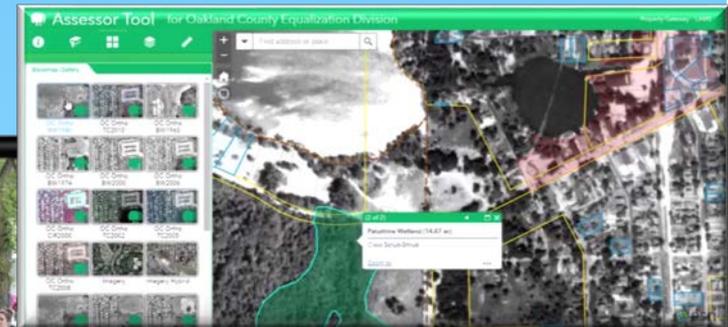
- Using ArcGIS and City Engine in use in feature films
 - Zootopia



- Taylor Shellfish utilizing ArcGIS solutions for more sustainable and efficient shellfish farming in WA State



- Robust and comprehensive local government ArcGIS solutions in Oakland County, Michigan

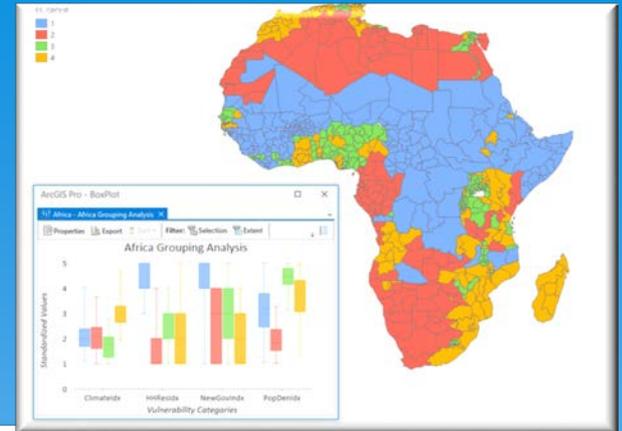


ArcGIS Pro

- Recently released ArcGIS Pro 2.0
- Improvements to
 - Annotation
 - 3D Editing
 - Charting and graphs
 - Web Feature Services
- New Features
 - Orthomapping
 - Vector Tiles
 - ArcCatalog view
 - Arcade Expressions
 - GeoAnalytics Integration
 - Massive Point Clouds
- Coming Soon
 - Utility Networks
 - Metadata
 - Parcels

Examples:

- <https://blogs.esri.com/esri/arcgis/2017/06/27/arcgis-pro-2-0-has-been-released/>



Why people are moving to ArcGIS Pro

From customer conversations, social media, GeoNet, and surveys

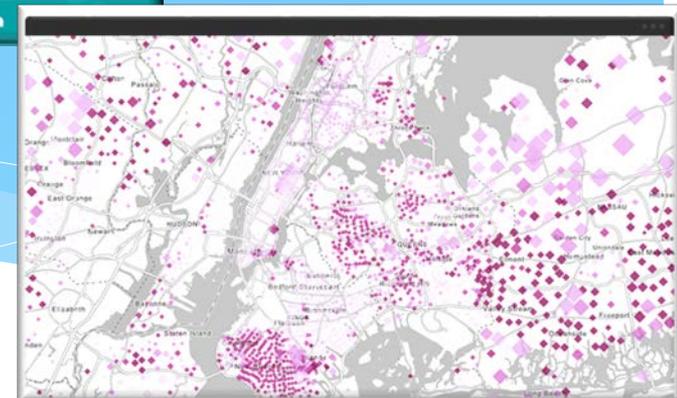
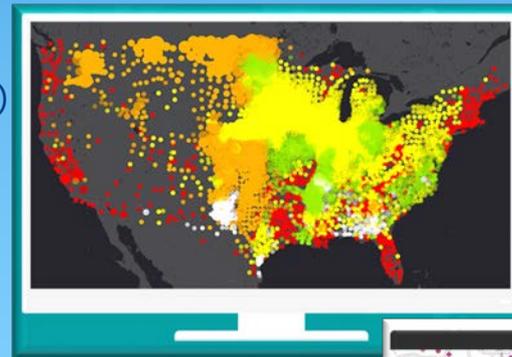
- Faster and Easier Geoprocessing
- Context-sensitive Ribbon Interface
- Smart Editing
- Tasks
- Simple Data and Map Sharing
- Arcade Scripting
- Vector Tiles
- Simultaneous 2D and 3D
- Multiple Maps and Layouts
- 3D Visualization, Editing, and Analysis
- Dynamic Charts
- Multipart Graduated Symbology
- Tighter Integration with ArcGIS Online
- Animations
- Configurations
- Space Time Cubes
- Multipatch Editing
- Living Atlas of the World
- It's the Future of Desktop GIS

What's your reason for moving to Pro?
Tweet it to @ArcGISPro

esri

ArcGIS Online

- 4.4 Million Users
- 3 Billion Tiles Served daily
- 11 million items available
- 40 million Open Data Downloads
- Improvements to
 - Smart Mapping in 2 and 3-D
 - Vector tiling
 - Analytics
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 - Standards/OGC (WMS, WMTS, WFS, KML)
 - Administration
 - New Viewer Roles
- Coming Soon
 - Improved Search and Metadata
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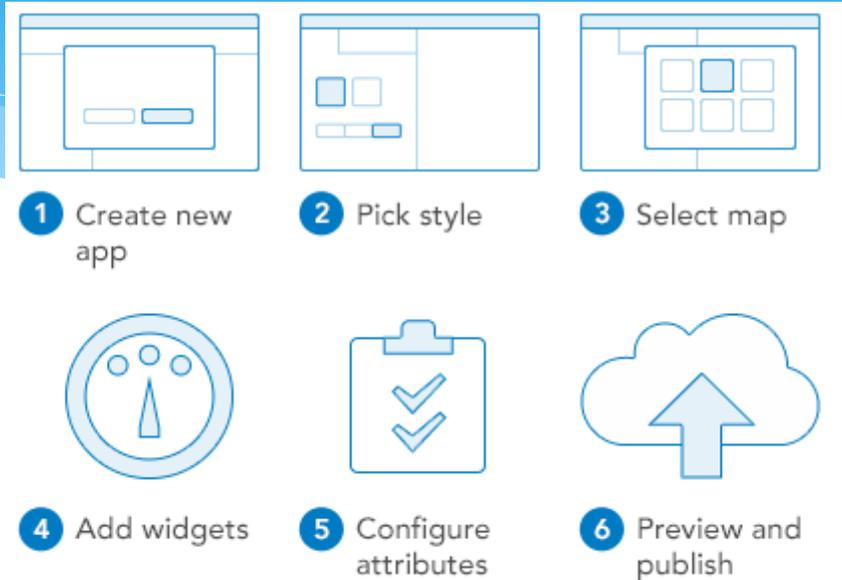


Examples:

- <http://doc.arcgis.com/en/arcgis-online/reference/whats-new.htm>

Web App Builder — Convert web maps into web apps

- Updated Features
 - Widgets and Themes
 - Infographic widgets
 - Parcel drafter
 - Time Slider
 - Screening
 - Suitability modeler
 - Coordinate Conversion
 - Dashboard Theme
 - 3-D basemap Gallery
 - Easily share 3-D apps via share button
 - Builder
 - Additional data source customization
 - Refresh button
 - Share map themes in organization (common logos, links, colors, etc.)



<https://www.youtube.com/watch?v=QnVM-T7PgBo&feature=youtu.be>

MOOC

Massive Open Online Course



Esri's MOOC Program

Online Courses on How to Apply Geography for a Better World

- Explore Interests, Strengthen skills
 - Access to Full Capabilities of ArcGIS Online during course
 - New way of expanding one's horizons - new way of training
- Currently offering courses in
 - Spatial Analysis
 - Location Analytics
 - Geo Applications
 - Imagery
 - Cartography

Classes/Demos of Note

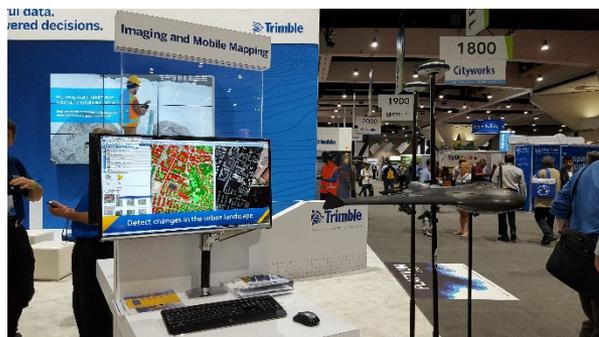
- 3-d GIS in Virtual Reality
- SQL Spatial Tips and Tricks
- Customizing Widgets for ArcGIS API Javascript
- Configuring ArcGIS for Local Government Solutions
- Automation of WebPublishing using ArcPy
- Pop-up configuration Tips and Tricks
- 3-D web apps for Community Engagement
- Public Notification application
- Public Engagement maps and apps
- Basemap Customization Tips and Tricks
- Caching Maps and Vector Tile Layers
- 3-d Cartographic Techniques
- Great Maps for Web and Mobile
- Migrating from Desktop to Pro
- AppStudio

Scenes from the Conference



User Apps Fair

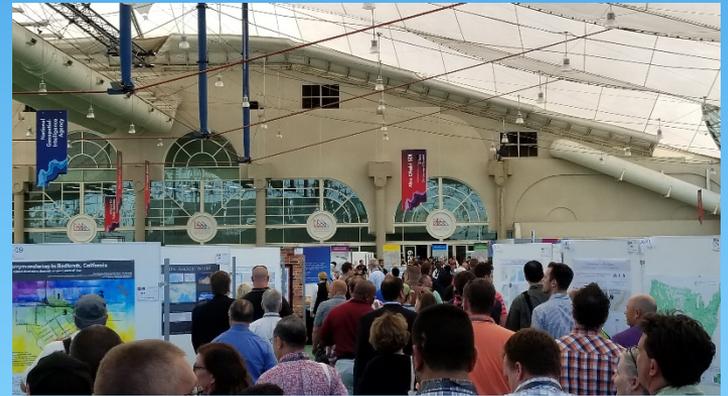
Plan View Geographic Information Software Description: A web-based GIS application for planning and visualization. Author: [Name] Company: [Company] Contact: [Email] Website: [URL]		API-Driven Data Description: A data-driven application using APIs for real-time information. Author: [Name] Company: [Company] Contact: [Email] Website: [URL]	
Event Plan Information Collection (EPIC) Description: A tool for collecting and analyzing event data. Author: [Name] Company: [Company] Contact: [Email] Website: [URL]		Population in John Woodhouse's New (JWNS) Description: A population analysis tool for urban planning. Author: [Name] Company: [Company] Contact: [Email] Website: [URL]	
Multi-View Content Tool Description: A tool for creating multi-view content for GIS applications. Author: [Name] Company: [Company] Contact: [Email] Website: [URL]		Area Calculating Software for GIS Description: A software for calculating areas in GIS data. Author: [Name] Company: [Company] Contact: [Email] Website: [URL]	
Presenting Your Data Description: A tool for presenting GIS data in a clear and concise manner. Author: [Name] Company: [Company] Contact: [Email] Website: [URL]		GIS Applications Description: A collection of GIS applications for various industries. Author: [Name] Company: [Company] Contact: [Email] Website: [URL]	



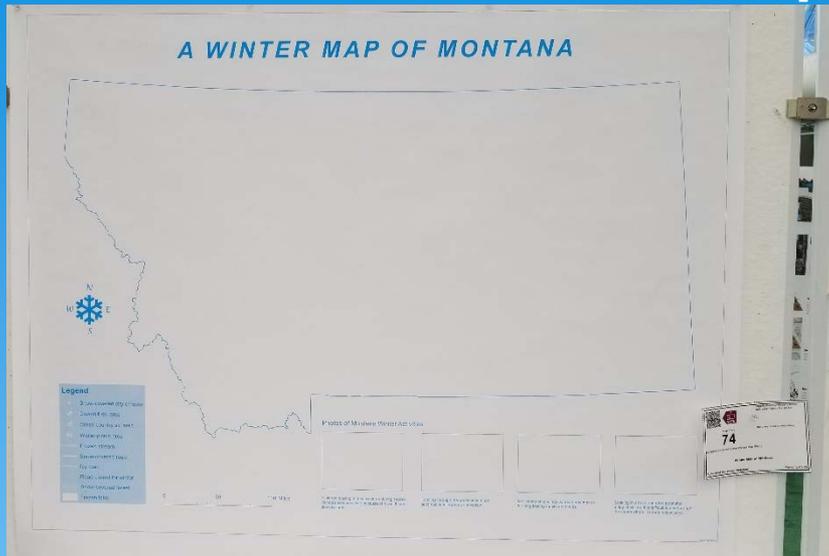
Scenes from the Conference



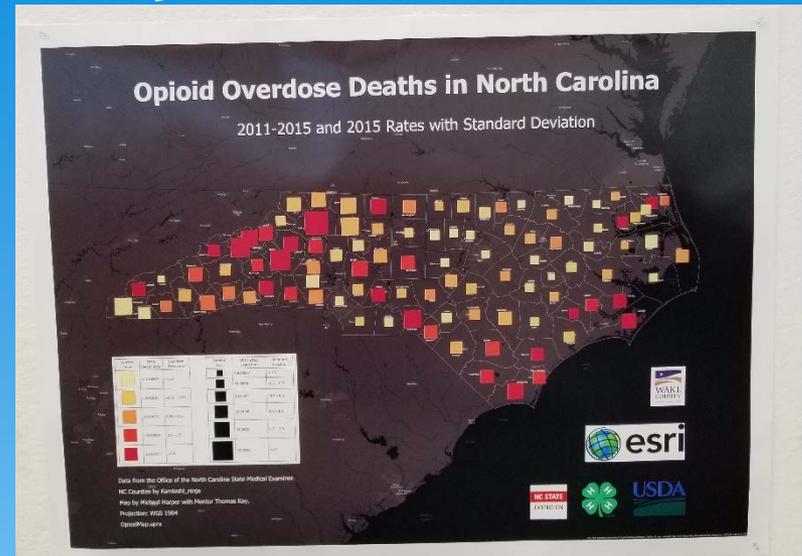
Scenes from the Conference



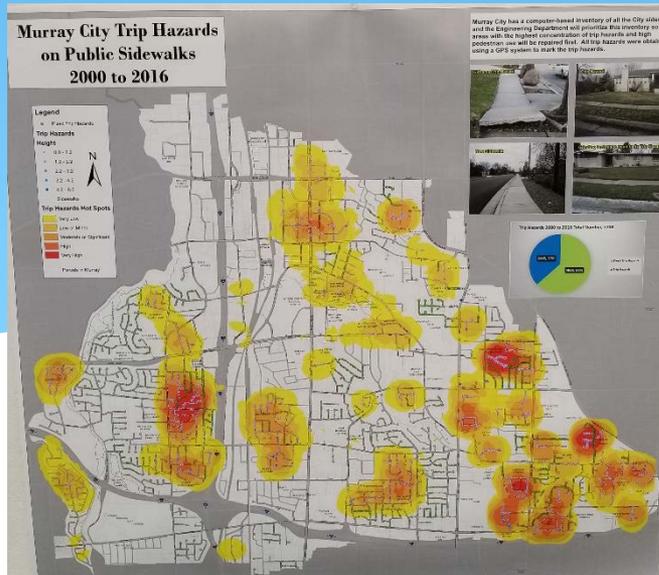
Map Gallery



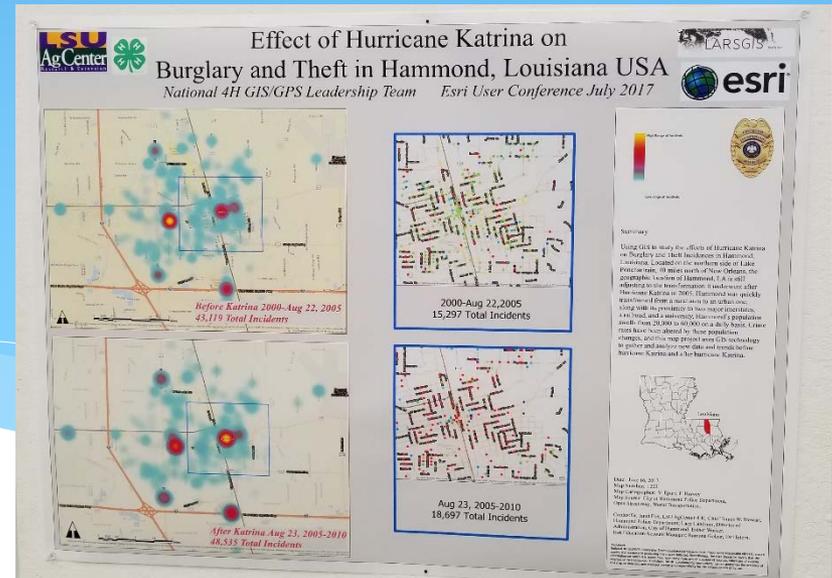
Winter Map of Montana (note the sense of humor!)



Opioid related deaths in North Carolina

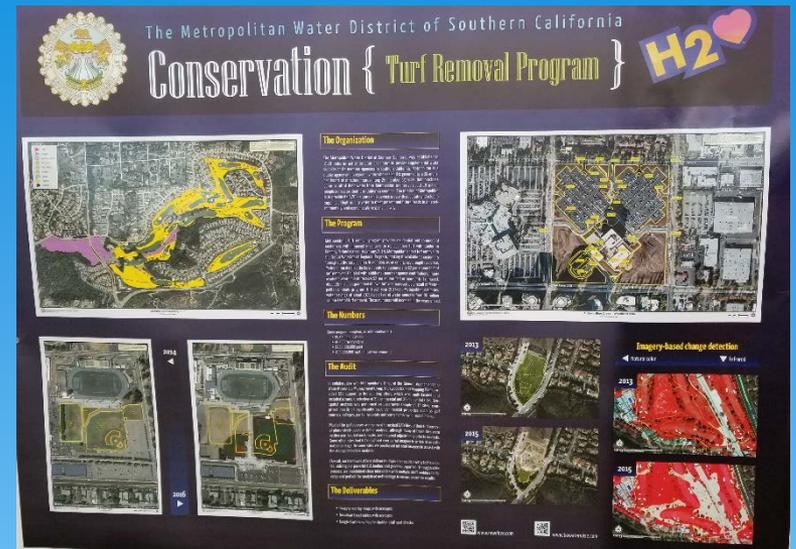
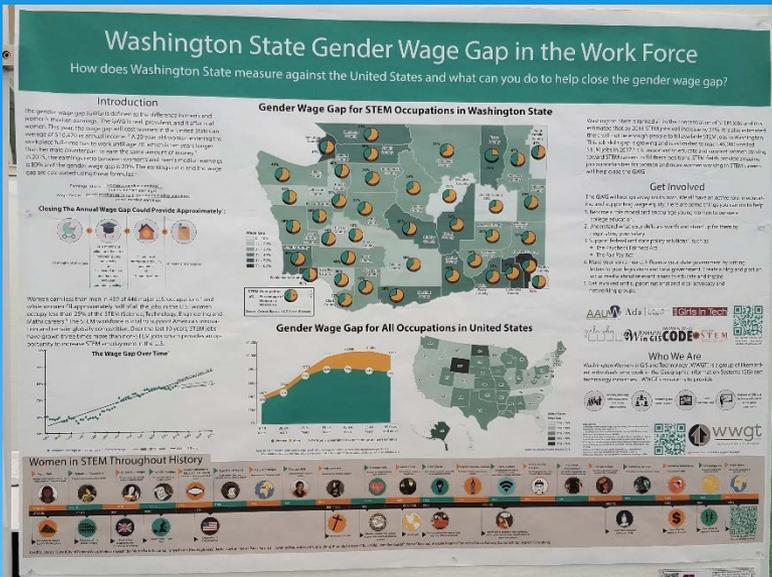


Tripping Hazards from Sidewalks



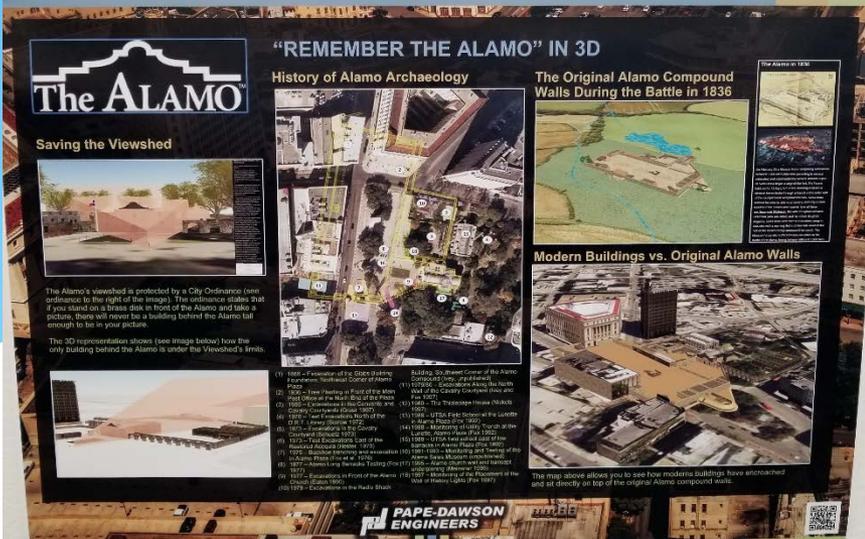
Crime Related Analysis due to Natural Disasters

Map Gallery



Gender Wage Gap Map, Washington

Turf Removal map in Southern California



Alamo Restoration and 3-D modeling, San Antonio, TX

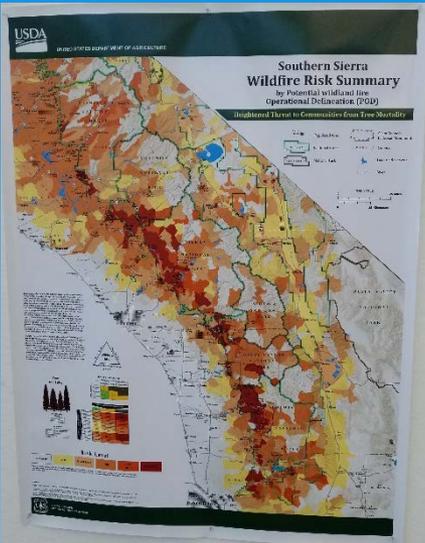


Hurricane Katrina LANDSAT Imagery comparison

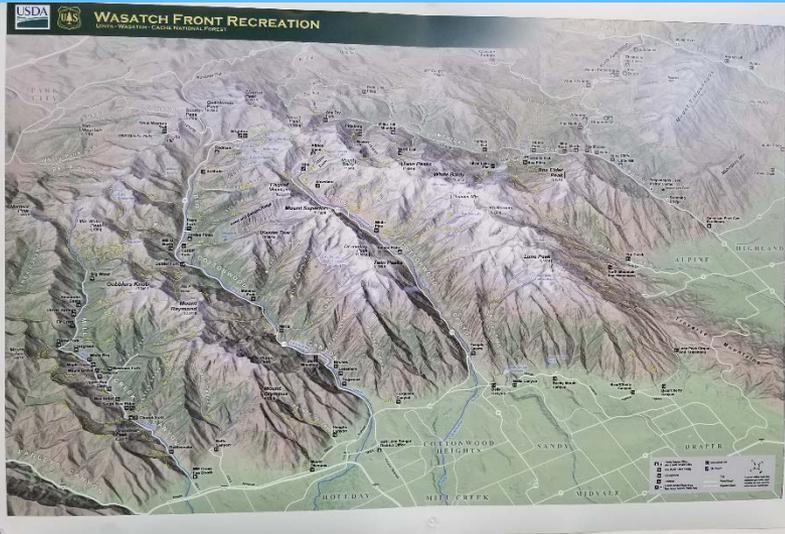
Map Gallery



Golf Course Development and 3-d Modeling



Wildfire Risk Map, Southern California



Wasatch Recreation Map, Utah



Music Festival Map

Map Gallery



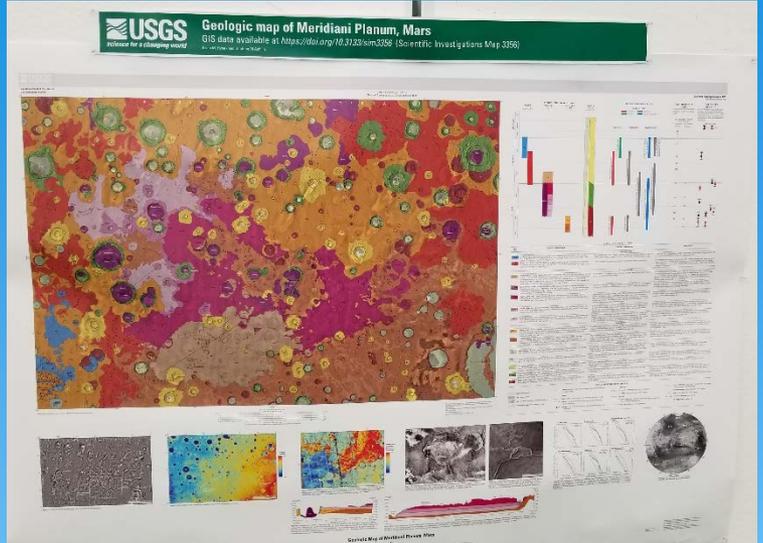
Emoji Sticker map of San Diego, CA



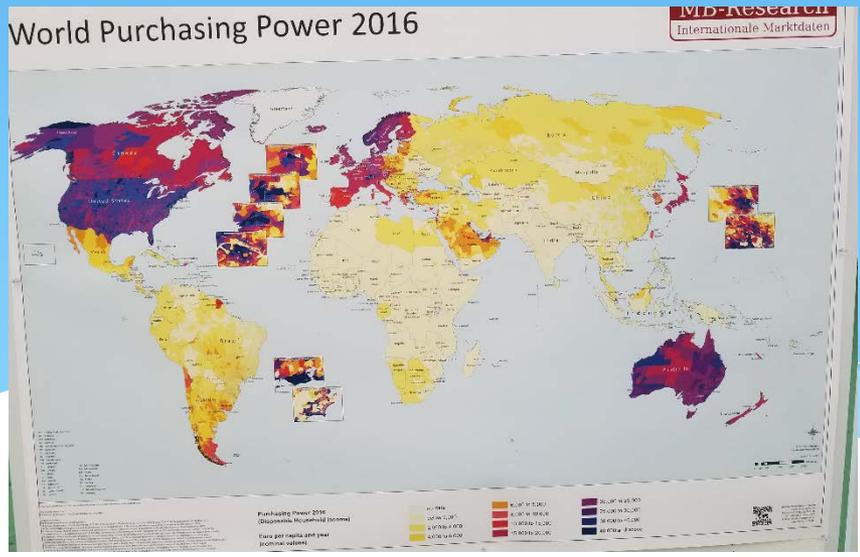
Map Gallery



Town Planning in Woodridge, IL



Geologic Mapping on Mars



World Purchasing Power Map



Catholic Density

Resources

- * ArcGIS Apps

- * <https://www.arcgis.com/features/apps/index.html>

- * Insights for ArcGIS

- * <http://www.esri.com/products/arcgis-capabilities/insights>

- * Arc GIS API for Python

- * <https://developers.arcgis.com/python/>

- * Arc GIS Pro

- * <http://videoembed.esri.com/iframe/4090/000000/width/720/0/00:00:00>

- * <https://www.youtube.com/watch?v=vTclquSnS-o>

- * Plenary Sessions

- * <http://www.esri.com/videos/watch?videoid=FoWJhgOF9U8&title=Esri%202017%20UC%20Plenary%20Trailer>

- * Web App Builder:

- * <http://www.video.esri.com/watch/3993/web-appbuilder-for-arcgis>

- * <http://www.video.esri.com/watch/4706/introduction-to-the-arcgis-webapp-builder-javascript-apps-made-easy>

- * App Studio:

- * <http://www.video.esri.com/watch/4635/appstudio-for-arcgis>

- * <http://www.video.esri.com/watch/4705/appstudio-for-arcgis-the-basics>

Thank you ESRI and San Diego for a great Conference!!
Hope to see you again in 2018!!

