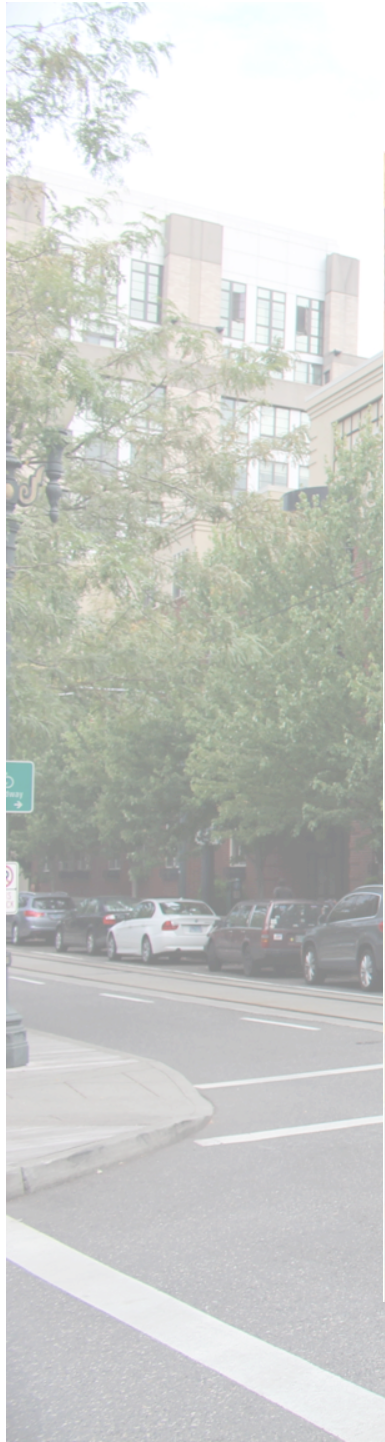




Data Driven Disruptions to Advance Community Vision Configurable Mapping and Survey Tools

**Jon Harrison, Mayor Pro Tem
City of Redlands**

March 2015
Ahwahnee Conference



Then



Now

Photo credit USA Today 2013

Configurable Application

- Simple
- Focused
- Easy to use and understand
- Use in browser
- Use on mobile device
- Embed in website



Example Apps and Tools

- Field Collection
- Community Engagement
- Story Telling
- Visualization and Analysis

Field Data Collection

- Mapping in the hands of field work force
- Efficient data collection
- Improved data accuracy
- Replaces paper forms
- Wifi or Offline
- Use anywhere
- Sync up to database when back online



Community Engagement

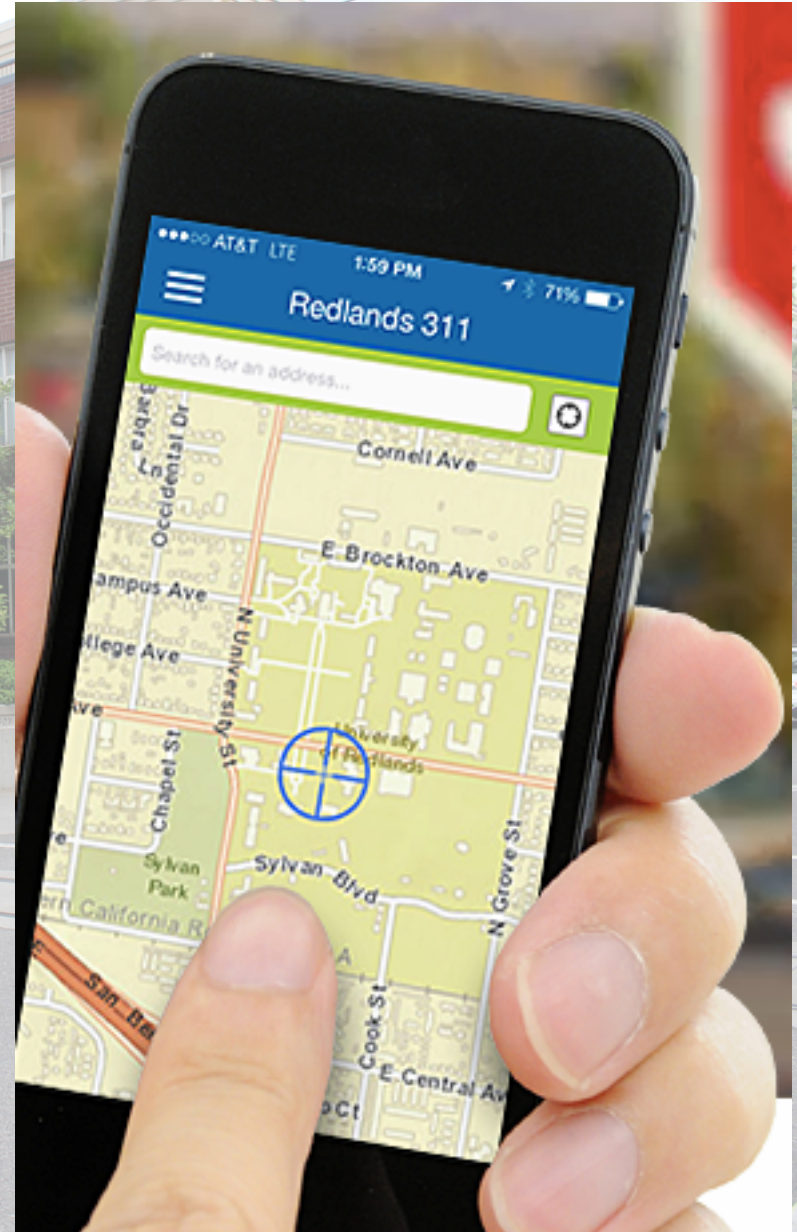
Obtaining reports of issues from the community

- 311

Obtaining responses to surveys

- Metroquest

[MetroQuest in 2 Minutes](#)



Storytelling

<http://storymaps.arcgis.com/en/>

- Using maps to tell stories
- Combines interactive maps and multimedia content into one user experience.

CITY OF VICTORIA

City of Victoria Heritage Walking Tours

Victoria has been blessed with a wealth of natural and man-made treasures, including stunning heritage architecture, beautiful ocean views, and scenic coastline. It is the true jewel of British Columbia, where historic and modern city scenes that make Victoria one of the most unique special places in Canada. We invite you to enjoy your journey through the natural beauty, important events and historic charm Victoria offers throughout every day.

www.victoria.ca
Website: www.victoria.ca/maps



BostonMaps
City of Boston
Mapping & Analysis Platform

High School Enrollment (2015-2020) | City of Boston Department Locations | BostonMaps Data Access | Boston Historical Topographic Maps (1897)

Start Here...

Make a new web map | Share maps by city department | Review maps by topic

Learn how to add content to a map | Learn how to map data in Microsoft Excel 2010 | Learn how to make a web application with a template

ith!

The Commonwealth Map (2015-2016) | Kentucky Legislative Districts | Kentucky County Data (2015-2016) | Kentucky State-NECC 2015-2016

Welcome to the Commonwealth of Kentucky's online mapping platform. It is the only state-specific web mapping application, and provides a variety of services to help you explore the state's rich history and geography. It is the only state-specific web mapping application.

If you are looking for detailed GIS data, try using the Kentucky Geographic Information System (KGIS). KGIS data can be downloaded from the KGIS website, and detailed instructions can be found on the data for a specific area.

Explore the Commonwealth!

Kentucky

KyCentral | KyTransit | KyGovernment

Story Map Examples

- **Community Resilience**

[Cincinnati resilience](#)

- **Comparing two points in time – side by side**

[Philadelphia - Then and Now](#)

- **Map Tour**

[Charlotte Street Projects](#)

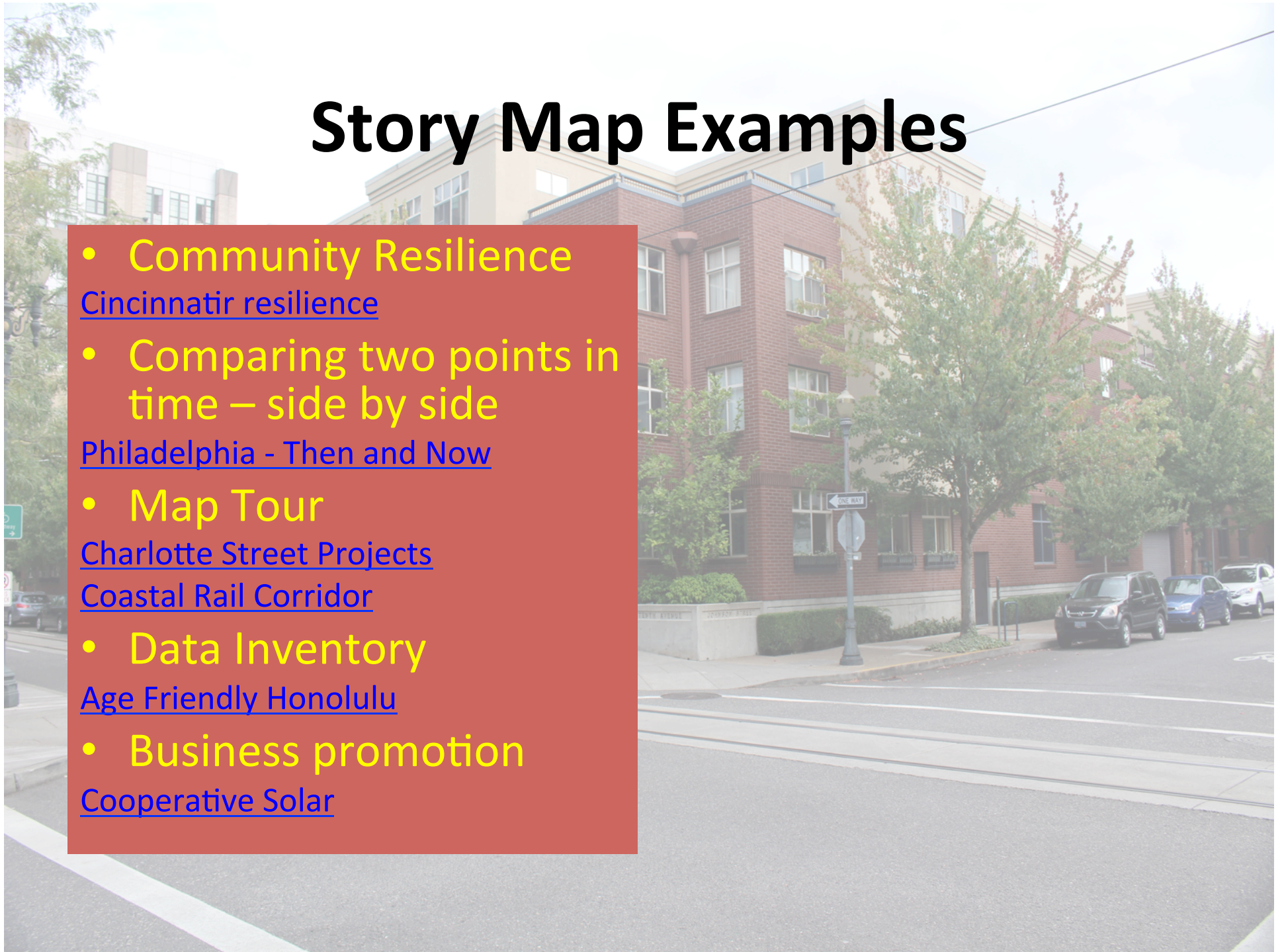
[Coastal Rail Corridor](#)

- **Data Inventory**

[Age Friendly Honolulu](#)

- **Business promotion**

[Cooperative Solar](#)



Online Data and Visualization

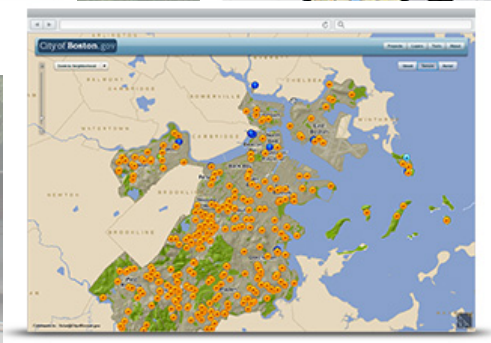
ArcGIS Online



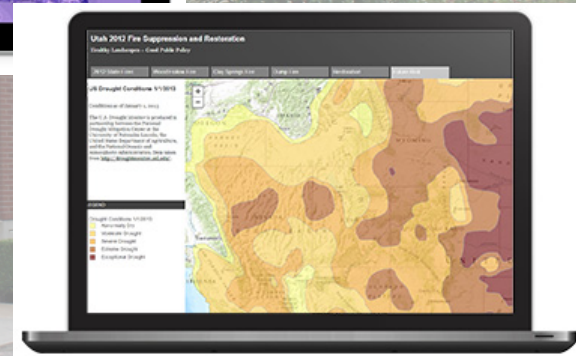
Make Maps Your Way



Explore a World of Content



Get Location-Based Insights



Connect with People Using GIS

- Ready to use
- Best available data
- include your data
- Global coverage
- Basic data and functions are free

Basemaps

Oceans

Topographic

Imagery

Canvas

Terrain



Demographics Content

People

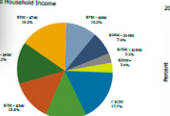
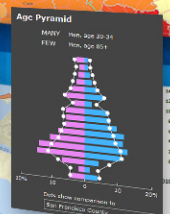
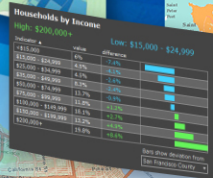
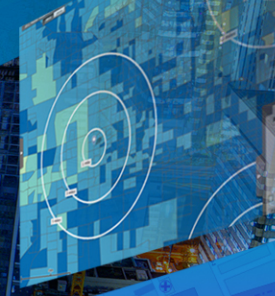
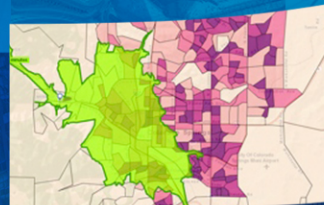
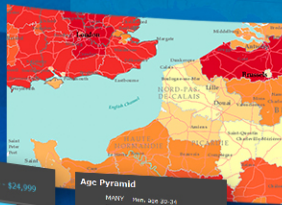
Money

Housing

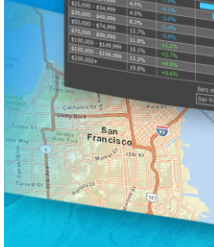
Behavior

7,000
Variables

Vector and Tabular
Multiple Levels of Geography



Year	White Alone	Black Alone	Hispanic or Latino	Asian Alone	Native Hawaiian or Other Pacific Islander	Two or More Races
2000	76.1%	12.5%	12.5%	1.5%	0.4%	1.0%
2010	72.4%	12.6%	14.7%	4.8%	0.4%	1.1%



Landscape Content

Physical Geography

Watersheds
Elevation
Slope
Aspect
NHD+
Soils
Landforms
Faults
Wetlands
Evapotranspiration

Bio-Geography

Critical Habitat
Ecological Systems
Land Cover

Cultural Geography

Roads
Rail
Flood Risk
Historic Sites
Transmission Lines
Pipelines
Oil Shale Basins
Coal Bed Methane Basins
Earthquake Risks

Land Management

Federal Land
Native Land

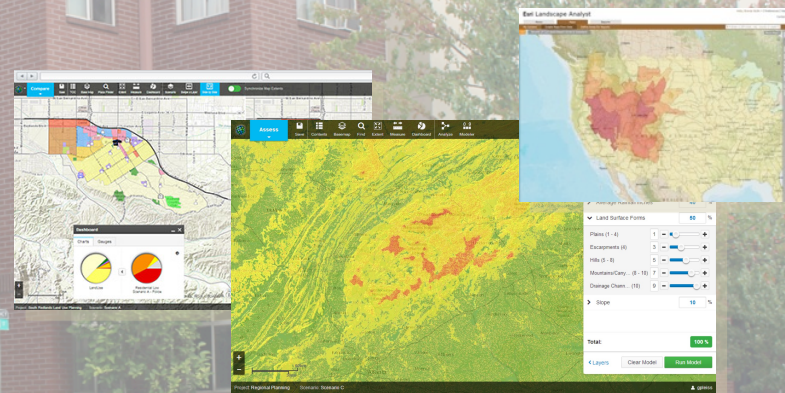
500+
Variables

Wetlands: Freshwater Emergent
Wetland
Area (Acres) 260.74
Wetland Freshwater Emergent
Type Wetland
Zoom to

Community Design geoplanner

No Cost or Low Cost Tools:

- Geoplanner - Esri
- Community Viz – Placeways
- Place Matters
- Center for Neighborhood Technology



Develop and analyze Alternatives

Thank you

Questions?

