

A Location Platform for Planning

Integrating GIS into the Planning Process

Location Enablement

Discover, use, make, and share maps at work -anywhere, anytime

Constituent Engagement

Facilitate and manage communication with stakeholders

Decision Support

Inform execs and management with maps and location intelligence

Field Mobility

Get authoritative information into and out of the field

Analytics

Describe, predict, and improve business performance

Location Data Management

Collect and organize location data about your assets and resources

GIS as a System of Record

Organizing and managing the geographic context of your assets and resources



GIS is a System of Engagement

Empowering your planners and stakeholders to discover, create, and use maps.



GIS is a System of Insight

Providing a "vocabulary" for examining how geography intersects with your business



understanding WHERE

- 1. Understanding where things are (location maps).
- 2. Understanding where the variations and patterns in values are (comparative maps).
- 3. Understanding where and when things change.



measuring

SIZE, SHAPE, AND DISTRIBUTION

- Calculating individual feature geometries.
- Calculating geometries and distributions of feature collections.



determining

HOW PLACES
ARE RELATED

- Determining what is nearby or coincident.
- 7. Determining and summarizing what is within an area(s).
- 8. Determining what is closest.
- Determining what is visible from a given location(s).
- 10. Determining overlapping relationships in space and time.



finding

THE BEST LOCATIONS
AND PATHS

- 11. Finding the best locations that satisfy a set of criteria.
- 12. Finding the best allocation of resources to geographic areas.
- 13. Finding the best route, path, or flow along a network.
- 14. Finding the best route, path, or corridor across open terrain.
- 15. Finding the best supply locations given known demand and a travel network.



detecting & quantifying

PATTERNS

- 16. Where are the significant hot spots, anomalies, and outliers?
- 17. What are the local, regional, and global spatial trends?
- 18. Which features/pixels are similar, and how can they be grouped together?
- 19. Are spatial patterns changing over time?

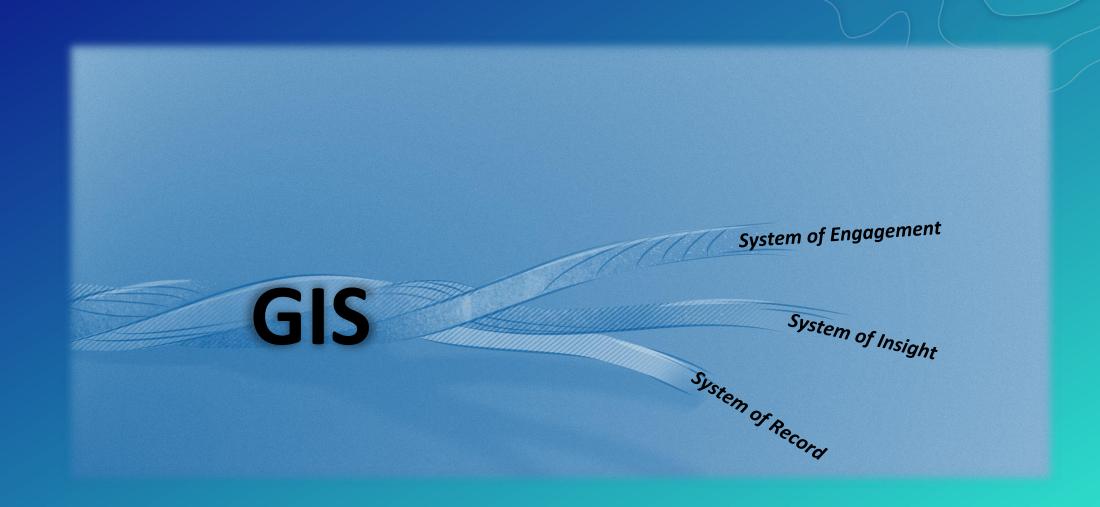


making

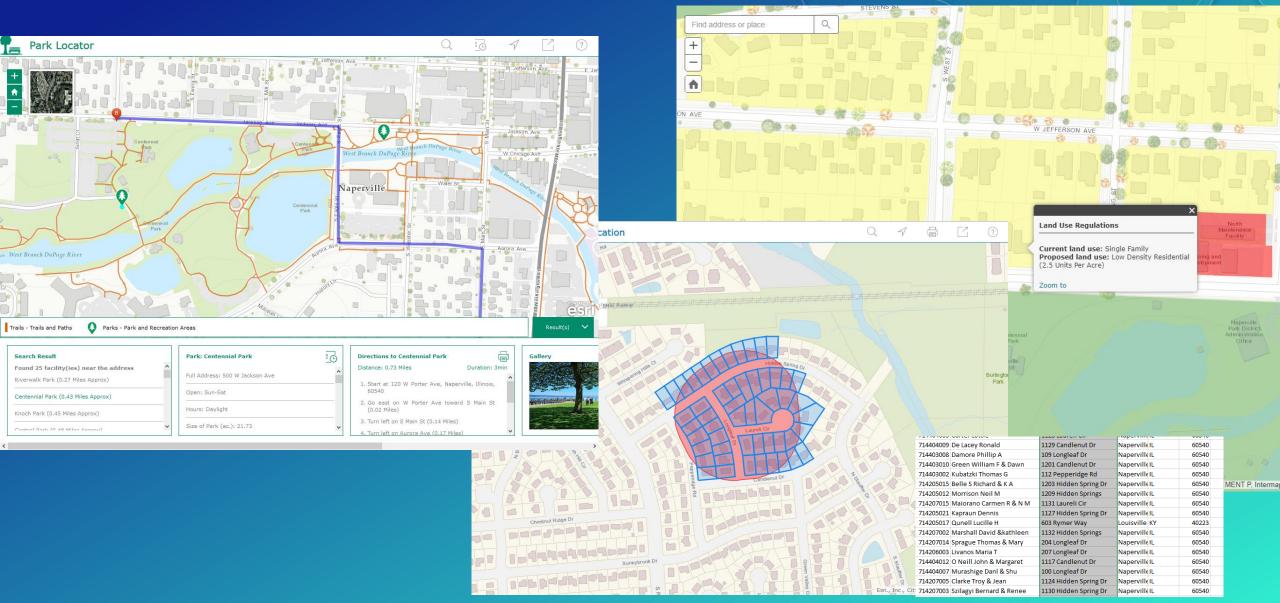
PREDICTIONS

- 20. Given a success case, identifying, ranking, and predicting similar locations.
- 21. Finding the factors that explain observed spatial patterns and making predictions.
- 22. Interpolating a continuous surface and trends from discrete sample observations.
- 23. Predicting how and where objects spatially interact (attraction and decay).
- 24. Predicting how and where objects affect wave propagation.
- 25. Predicting where phenomena will move, flow, or spread.

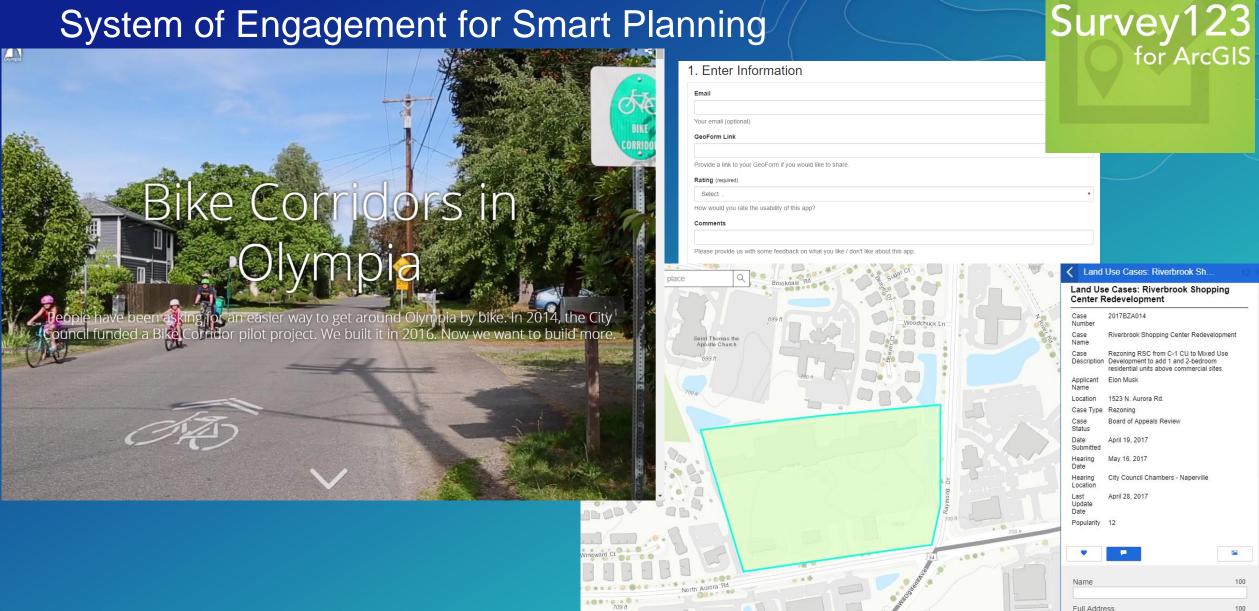
GIS Weaves Together Essential Systems Principles



System of Record for Smart Planning

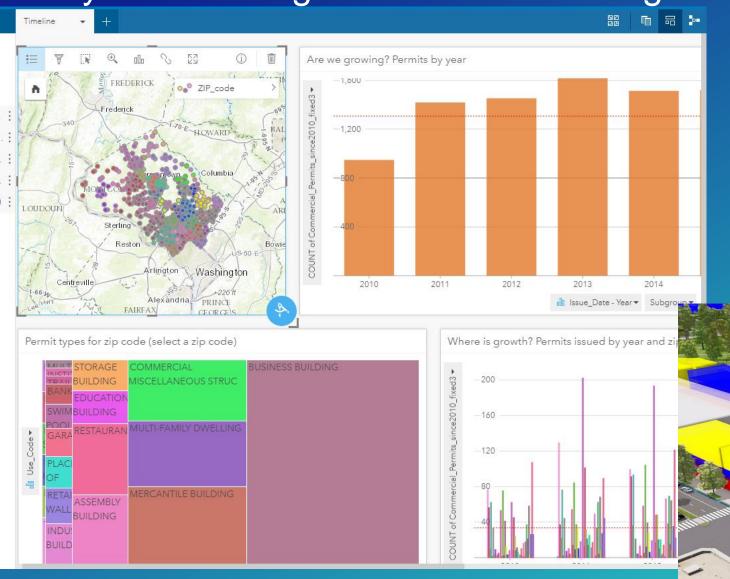


System of Engagement for Smart Planning



Phone Number

System of Insight for Smart Planning







KEY DEMOGRAPHIC FACTS



289,403

Population

\$50,777

Household Income

EMPLOYMENT

58%

23%

19%

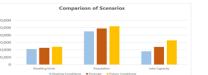
302,126

Daytime Population

4.9%







Smart Planning Tools – The Road Ahead



Essential Patterns of a Smart Planning Location Strategy

Location Enablement



ArcGIS Pro

ArcGIS Online

Portal for ArcGIS

ArcGIS Maps for Office

Constituent Engagement



Commission Agenda Story Map

Crowdsource Polling / Reporter

3D Public Survey

Public Notification

Decision Support



GeoPlanner

Operations Dashboard

3D Development Review

Blight
Monitoring &
Prevention

Field Mobility



Photo Survey

Code Enforcement

Survey123

Collector for ArcGIS

Analytics



Insights for ArcGIS

Green Infrastructure

Community Analyst

Tapestry Segmentation

Location Data Management



3D Scene Development

Land Use, EIR Data

Shared GIS
Web Services

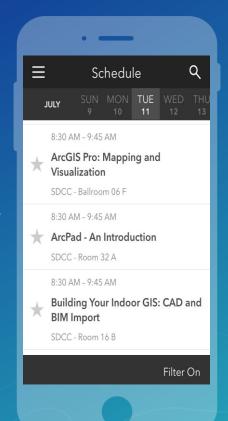
ETL, Permit Integration

Please Take Our Survey on the Esri Events App!

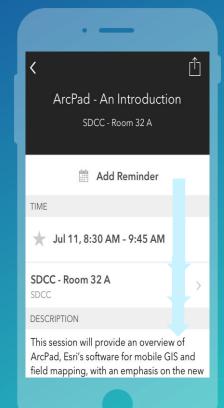
Download the Esri Events app and find your event



Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"



