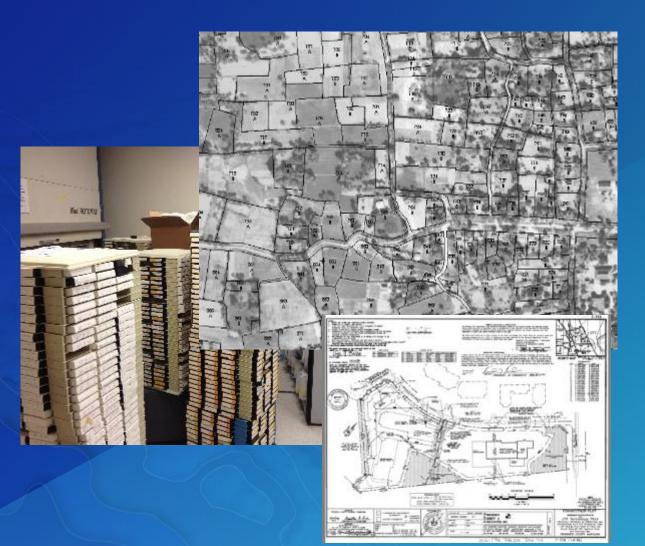


System of Record

Organizes and Manages the Legal Record of Ownership, Value and Location



Cadastral History



Quebec, Canada

Parcel Query



Auckland, New Zealand

Tax Parcels



Wisconsir

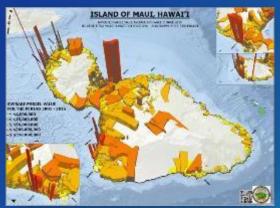
System of Insight

Tax Assessment

Nebraska

Understand the factors impacting property value and use

Parcel Values



Maui

Historic District Property Values



Georgia

Value Analysis Dashboard



Trade Market Area Analysis



Operations Dashboard



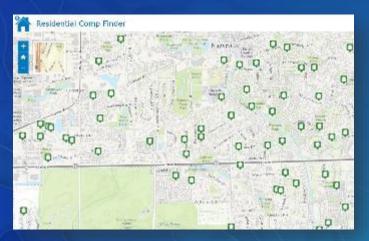
System of Engagement

Modern Transparency

Engaging taxpayers, businesses and citizens with government

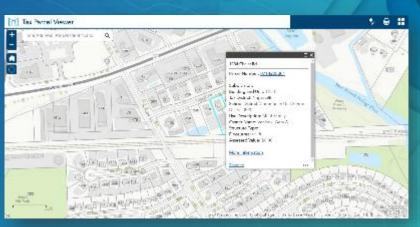


Public Notification



Residential Comparable Sales

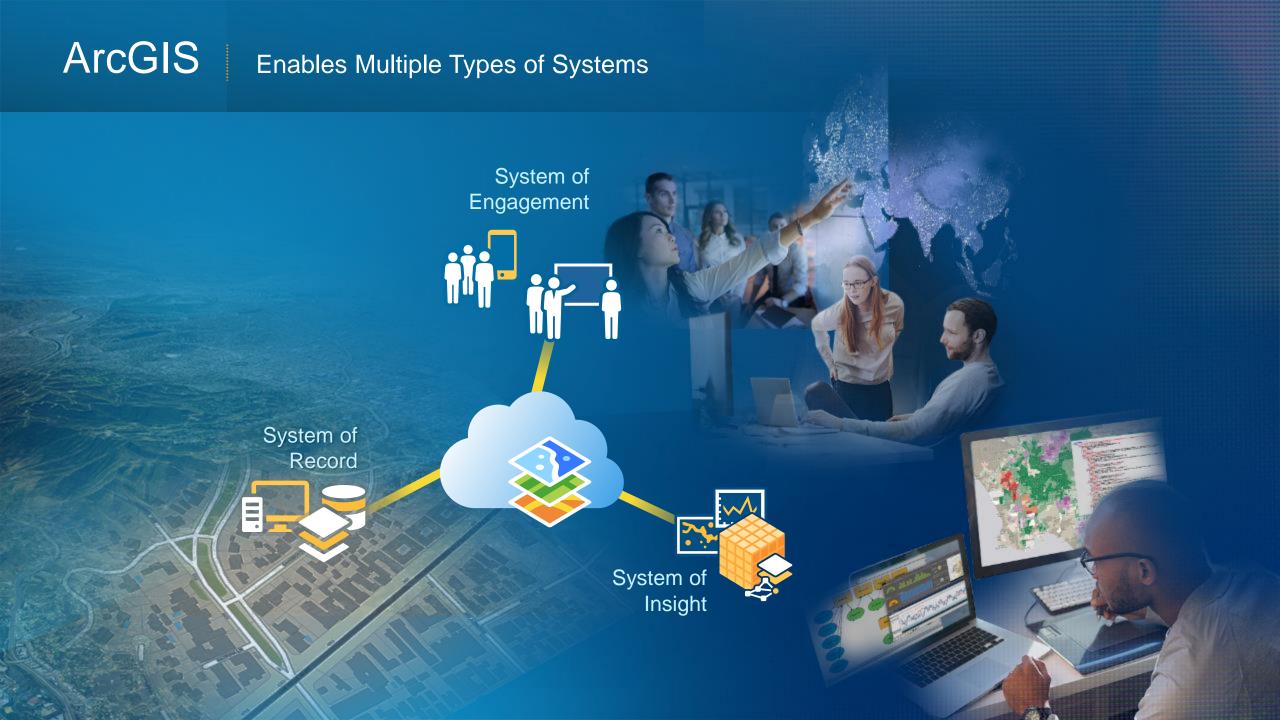




Public Access to Tax/Parcel Data



My Tax Distribution



ArcGIS – Modern Architecture



Simplifying and Expanding

Client / Server Web Services & Apps

Stand-Alone Desktop — Connected Desktop

Data Models Web Maps & Layers

Static Data Real-Time

Single Server Distributed Computing

Custom Applications — Configurable Templates & Apps

Proprietary Data Open Data & Shared Services

2D Features 3D Features

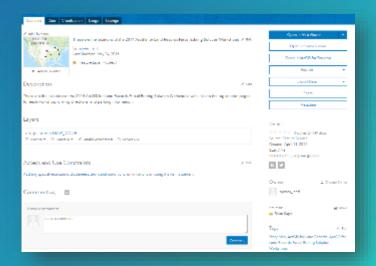
Spatial Analysis Spatiotemporal & Big Data Analytics

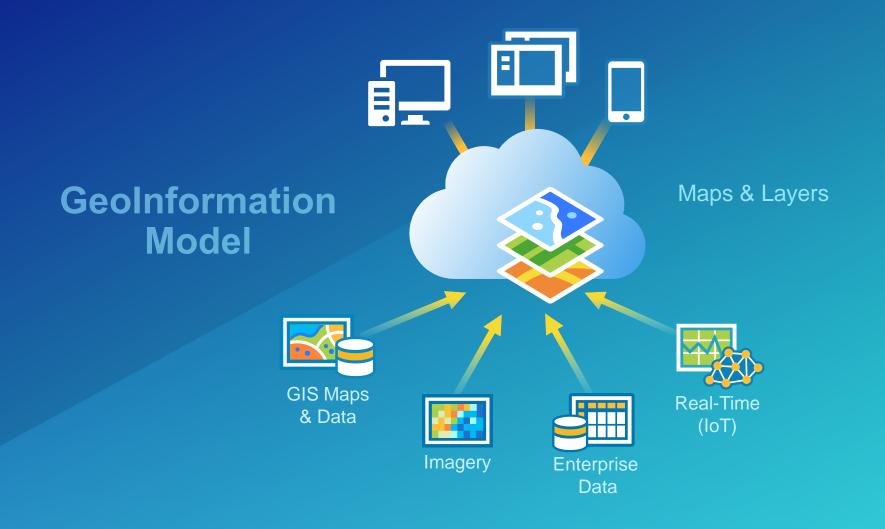
Digital Cartography Smart Mapping

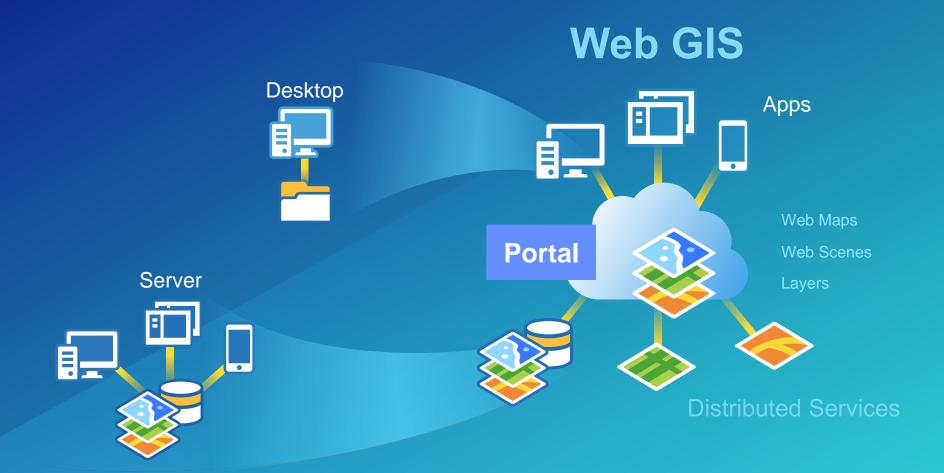
- Secure
- Standards-based
- Controlled Access via Identity
- Control Who Does What
 - View
 - Query
 - Edit
- Monitor/Track



http://esriland.maps.arcgis.com/home/item.html?id=59696 89b642840e39cf0491669484e0b







Bringing Together Systems of Record with a System of Engagement

ArcGIS Apps

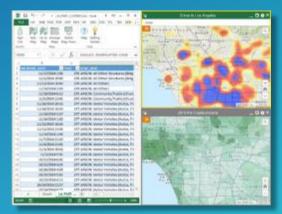
Powered by Services

- Workforce
- Operations Dashboard
- Navigator for ArcGIS
- Collector for ArcGIS
- Survey123
- Explorer for ArcGIS
- Maps for Office
- Drone2Map
- Insights for ArcGIS
- ArcGIS Earth
- Templates....





Maps for Office





Insights

Support your workforce and workflows.....

Apps Extending ArcGIS Capabilities Everywhere



Hundreds of Ready-to-Use Maps & Apps

No Cost

Open-Source Solutions

Delivering Innovation & Best Practices



Land Records

Parties, Geometry, Rights

Documents and data - ownership, value, use, planning and development of real property

- Deeds
- Mortgages
- Leases
- Titles
- Liens
- Foreclosures
- Discharges
- Easements

- Plats
- Subdivisions
- Land Surveys
- Assessment Data
- Property Tax Data
- Images
- Parcels
-



Parcels

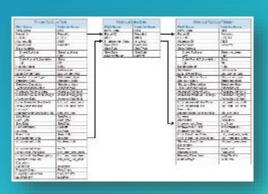
More than geometry.....

- Geometry
- Parcel ID
- Area
- Land Use Code
- Address
- Owner
- Value
- Grantor/Grantee
- School District
- Sale Date

- Sketch
- Improvements
- Construction Type
- Photos
- Value History
- Section-TWP-RNG
- Subdivision
- Tax Account Number
- Voting Ward
- Census Block

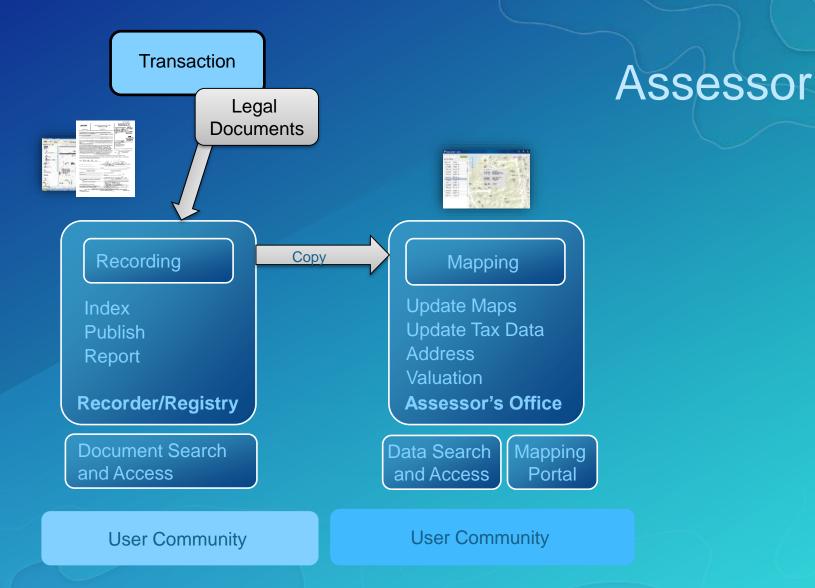
- Neighborhood
- Soils/Ag
- Zip Code
- Ownership History
- Parent Parcel
- Tax Districts
- Special Districts
- Lot/Block
- Zoning
- •





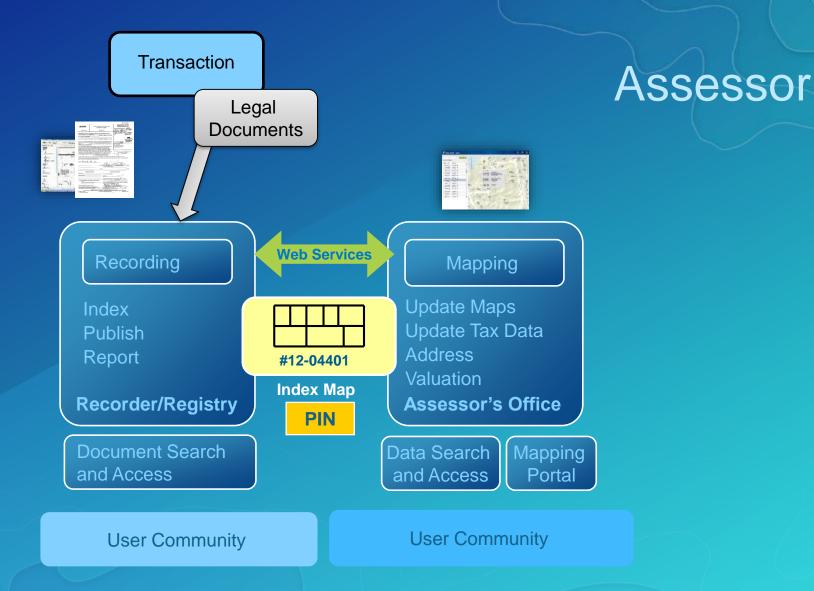
Recording & Parcel mapping

Recorder



Recording & Parcel mapping

Recorder



CAMA/Assessment / Tax GIS Portal/Cloud Systems Spatial Features in RDBMS Geo-enriched Assessment / Tax Data **Python Scripts** Tax Parcel Geometry **Update New Parcel Descriptions Feature** Service

Parcel Editing Solution

Land Records Services

- Tax Parcels
- Sales
- Foreclosures
- Appeals
- AssessmentNeighborhoods
- Tax Reverted Property
- Historic Parcels
- Parcel Basemaps
- Public Notification
- Others...



Information Products

- Maps
- Apps

••••

GIS & CAMA Integration

Extract Transform and Load - ETL

Property Characteristics
Value and Tax Information
Sales, Foreclosures, Appeals





CAMA/Assessment / Tax Systems





Python Scripts Produce New Layers

Tax Parcel Geometry w/ Property Characteristics

- Sales
- Foreclosures
- Appeals
- Assessment Neighborhoods



Parcel Editing Solution

Land Records Services

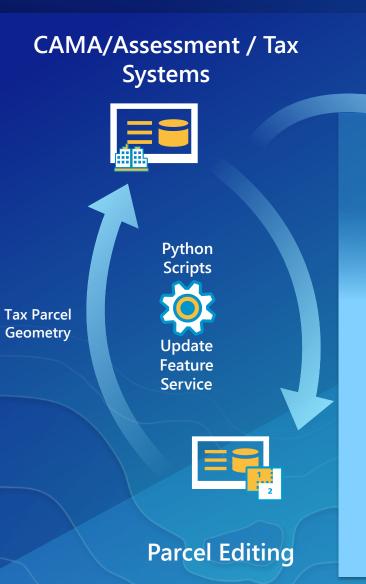
- Tax Parcels
- Sales
- Foreclosures
- Appeals
- Assessment Neighborhoods
- Tax Reverted Property
- Historic Parcels
- Parcel Basemaps
- Public Notification
- Others...



Information Products

- Maps
- Apps
- ...,

Services



GIS Portal/Cloud



Land Records Services

- Tax Parcels
- Sales
- Foreclosures
- Appeals
- Assessment Neighborhoods
- Tax Reverted Property
- Historic Parcels
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- Others...



Information Products

- Maps
- Apps

••••

Challenges

Common Goals and Challenges for Assessors

- Maintaining trust and confidence of the public
- A lot of business systems....out of sync
- Keeping data current
- Minimizing appeals
- Transparent operations
- Reducing counter traffic
- Discover untaxed property

- Improved analysis
- Discover trends and patterns
- Sharing data
- Training
- Field appraiser management
- New devices
- Reduce operational costs

Challenges

Common Goals and Challenges for Clerks and Recorders

- Maintaining trust and confidence of the public
- A lot of business systems....out of sync
- Keeping data current/backlog
- Minimizing appeals
- Transparent operations
- Reducing counter traffic
- Generating revenue

- Improved analysis
- Discover trends and patterns
- Sharing data
- Training
- New devices
- Reduce operational costs

Supporting the entire assessor's office



ArcGIS for Assessment and Taxation

Supporting Assessor Requirements







CAMA Visualization



Public Relations

Residential Comp Finder

Deed Examining



Parcel Editing Solution



Workflow Manager



Data Reviewer for Tax Parcels



Tax Map Book



PLSS Editing



Community Parcels



Addressing



Purpose-Built Tools

Integrity, Topology, History

Feature Adjustment

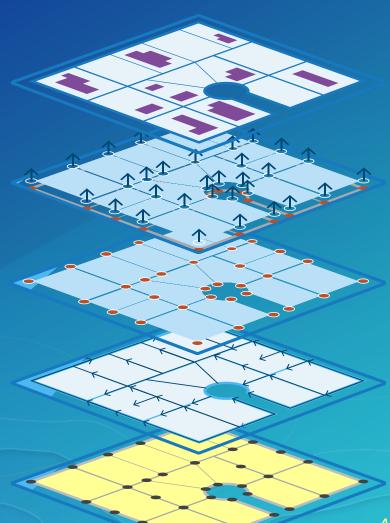
Coordinate Updates

Control Points

Fabric Adjustment

Measurements

Parcel Fabric



Aligning Data Using Measurements...

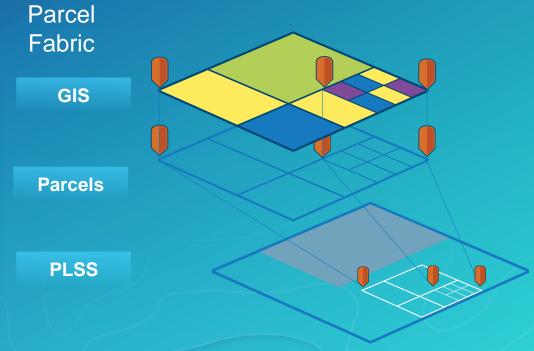
PLSS

COTS Tools for Staying Current



BLM – PLSS Managed in the Parcel Fabric

"By adopting a commercially supported package that's compliant with national and federal standards, we've built a solid foundation for the future for the BLM," Don Buhler, National Cadastral Director, BLM.

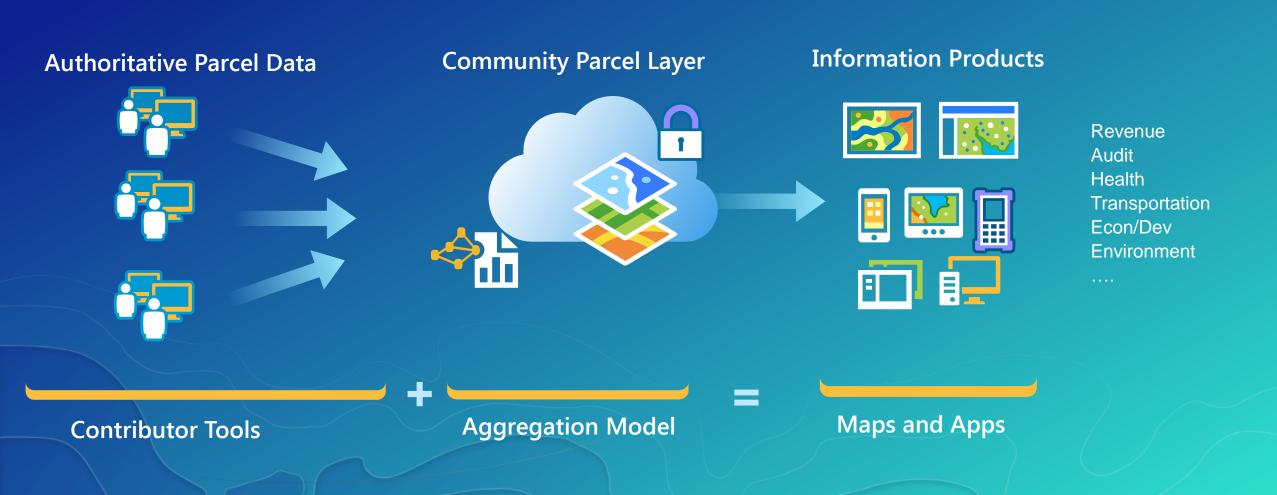


Connecting Layers with Measurements...

Support Parcel Aggregation

Web GIS solution for parcel aggregation

COTS Tools for aggregating and sharing.....



Workforce



Navigator



Collector



Photo Survey



Value Analytics

Analysis, Visualization, Maps and Apps



Value Analysis Dashboard



Value Change Over Time



Assessment Neighborhoods



Image Comparison



Photo Survey



Exempt Properties

Discover and visualize trends and patterns.....

Public Relations

Maintain Taxpayer Trust and Confidence



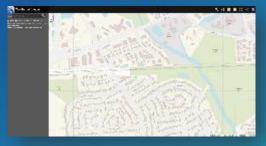
Portal



Comparable Sales Finder



Top 25 Taxpayers



Tax Parcel Viewer



Identify Flood Risk



Story Maps





Open Data

Assessment Appeal

Engage and inform the public and stakeholders...



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Sustainable Solutions for Government





AreGIS for Local Government helps local governments leverage their geographic information and the AcGS Fladom to improve government activities and whence citizenser sizes.

Set Started | Documentation | What's New | Win Community



Manage an acquisite inventory of real property describewho persists land, analyze land value and associated. improvements, and maximize property so revenue



Water Util lies

Maintain comprehensive sorter distribution, sewer, and representations, coordinate and plan capital projects. and improve the operation of unity network. That provide dean emiling water and protect public health.



Public Works

Maintain right chivay assets, r environments qualty needs a projects and operate parts of suits and shouled way.



ArcGIS Solutions deliver Ready-to-Use Maps and Apps to jumpstart your work





Training & Support

Supporting Lifelong Learning

- Authoritative Resources
 - Thousands of hours of professionally developed and curated content
- Relevant Training for Your Role
 Content for everyone professionals, students, educators
- Many Ways to Learn
 - Multiple option and formats to meet your needs
- Helping You Grow
 - Content for all stages along your learning journey

Land Records Meetup

Connect with Experts



Land Records Webinars

Educational Webinar Series

http://go.esri.com/land-records-webinar



Getting the Most Out of Your GIS

Field Force Management

Maps and Excel

Value Analysis

Realizing Efficiencies

Engaging Your Constituents

Planning for Next Year

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All Places >



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