# ArcGIS for Land Records: Beyond Metes and Bounds Dan Stone

esri

#### **Land Records Basics**

#### What is Land Information?

Information describing legal, physical, and cultural data about the land

### **Land Information System**

A geographic information system for cadastral and land-use mapping geared toward legal, administrative and economic spatial analysis. Most commonly found among municipal agencies



The land parcel is the basic unit for access and control of land, land use decisions

### **Today's Business Requirements**

**Expectations and business requirements have changed.....** 

- Historically, GIS has been used to support mapping and visualization
- GIS today supports many more requirements, and continues to evolve

near record



#### **Falling Values, Rising Taxes**

Thousands Of Property Owners Are Contesting Assessments In An Effort To Rein In Tax Bills

Hundreds appeal skyrocketing Jackson County property tax



#### For Cities, Big-Box Stores Are Becoming Even More of a Terrible Deal

Under what has become known as the "dark store" method, big-box retailers are declaring their busy stores to be functionally obsolescent and therefore nearly worthless for tax purposes and they're winning big judgments for back taxes. It's the latest example of the way that, even as local governments continue to bend over backwards to attract big-box development, these stores are consistently a terrible deal. CONTINUE READING -

#### Open Government Initiative

About Open Government

Open Gov Blog | Open Government Partnership Participation

My Administration is committed to creating an unprecedented level of openness in Government. We will work together to ensure the public trust and establish a system of transparency, public participation, and collaboration. Openness will strengthen our democracy and promote efficiency and effectiveness in Government.

- PRESIDENT OBAMA, 01/21/09



OPEN GOV



assessments

19% of Americans rely to some degree on a smartphone for accessing online services and information and for staying connected to the world around them; for 7% it is their only means

68% Own a Smartphone





87%
Using the Internet

2.8
Devices Owned by
Knowledge Workers

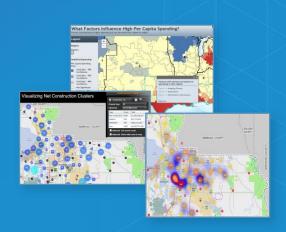


# Transforming Land Records with GIS

Providing the platform for changing requirements







#### **Improve Public Relations**

Accessible Authoritative Data
Executive Access to Business Data
Platform for Citizen Collaboration
Executive Awareness of Local Issues

#### **Improve Government Operations**

Data Sharing
Public Safety/Emergency Management
Planning and Community Development
Code Enforcement and Permit Review



GIS – the enabling platform for actionable data.....

# Managing Land Records

Supporting Local Government requirements......

# Parcel Management **Parcel Editing** Quality Control **Map Production** Address Management

#### **Valuation Analysis**

#### Foreclosure Mapping

**CAMA** Integration



#### **Data Sharing**





Open Data



Taxpayer Engagement

#### **Architecture**

# System of Engagement

# System of Record

#### **Public Access**

- Historic Appeals
- Public Parcel Viewer
- Comparables Finder
- Top X Taxpayers
- Managing Appeals
- Day in the Life of an Assessor

#### **Executive Access**

- Value Analysis Dashboard
- Valuation Over Time
- Assessment Neighborhoods
- Exemptions
- Imagery Change Detection
- Top X Taxpayers
- Photo Survey
- Value per sq. ft.
- Esri Maps for Office



Dashboard



#### Assessors

- Value Analysis Dashboard
- Valuation Over Time
- Assessment Neighborhoods
- Exemptions
- Imagery Change Detection
- Top X Taxpayers
- Photo Survey
- Value per sq. ft.



- ArcGIS Desktop
- ArcGIS Workflow Manager
- ArcGIS Data Reviewer







(Recorder, CAMA)



#### **Map Library**

(Data Driven Pages)







**ArcGIS for Server and Online content** 

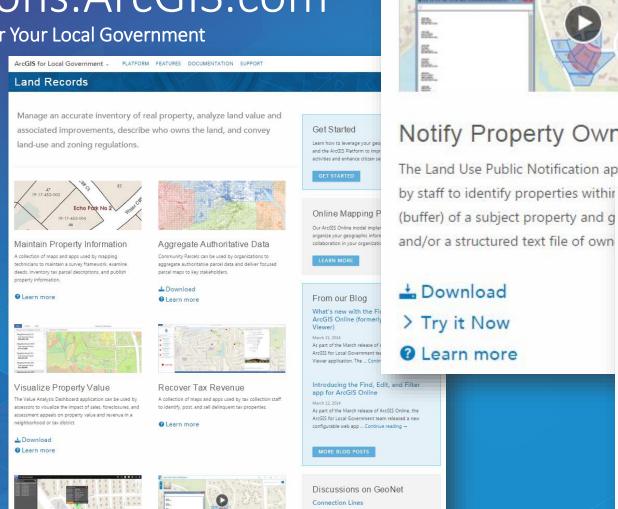
#### **Digital Plan Submission**

- CAD submission of plans
- Approve/Reject reporting
- Automated conversion

## Solutions.ArcGIS.com

The Solutions for Your Local Government

Engage Citizens



Can connection/connector lines be edited and/or ...

Continue reading -

Notify Property Owners



#### Notify Property Owners

The Land Use Public Notification application can be used

#### From our Videos



Emergency Assistance Community Address Contribution ...





Community Address Aggregation Tools ...

Floodplain Inquiry

MORE VIDEOS



Thu Jul 23

12:00 PM

RSVP

59 going

8 comments

San Diego Convention Center

111 West Harbor Drive, San Diego, CA (map)

A face to face meeting with members of the

Land Records Meetup. Assessors, Cadastral

E-Ring: ArcGIS Based Decision Support Systems For

Note: this meeting is held at 09:00 AM PST How to join the

(please supply name and organization name) ... LEARN MORE

Managers, Parcel Editors, Surveyors, Land

Administration Professionals, County..

Hosted by: Amir Bar-Maor (Co-Organizer)

**Recent Meetups** 

Assessors (09:00 AM PST)

69 Land Records Professionals | \*\*\*\*\*\*\*\*\*



June 24







Founded Dec 21, 2012

About us...

Invite friends

Land Records

Professionals

Group reviews

Upcoming

Our calendar

Organizers:

Raquel Perez,

Amir Bar-

Maor, Amy

Andis, Brent

Jones, Chris Buscaglia.

Jason Camerano, Noel

E in

edit

Meetups Past Meetups 1.088

53

## GeoNet.Esri.com

Land Records Group





