County Enterprise GIS

Revolutions!

Desirée Ramos
Program Manager
a little background

2002 Gartner completes IT strategic plan - recommend county explore an EWGIS

2007 GTG hired to complete GIS Strategic Plan - main recommendations
1. critical data layers be created or acquired (Street Centerlines, Address Points, Parcel Boundaries, and Countywide Imagery)
2. county hire a GIS Coordinator (AKA GIS Program Manager)
3. GIS classifications be created
4. county implement ArcGIS for Server (to better support internal and external dissemination of GIS data)
5. review esri licensing
2013 Updated Strategic Plan Goals

- Parcel layer creation and maintenance
- GIS in the Cloud (arcgis.com - new licensing model)
- ESRI license consolidation and centralization
- Providing data and applications to users
- Regional GIS participation
- GIS classifications
- Education plan
- Other new data layers
Major Accomplishments

Countywide street centerlines
2011 Imagery Acquisition
Countywide address points - near completion
2014/2015 Imagery Acquisition - via SLORC

How are we doing?

1. All critical datasets acquired except parcels
2. Hired a GIS Manager
3. Working with HR and Admin to create GIS classifications
   4. Implemented two production and one development environment for ArcGIS for Server
5. Esri licenses reviewed by GIS Manager
Major Accomplishments

Countywide street centerlines
2011 Imagery Acquisition
Countywide address points - near completion
2014/2015 Imagery Acquisition - via SLORGC

PARCELS
the last critical dataset
Assessor's Office, the GIS Manager, and SLORGC are working multiple angles to find a solution for creating a GIS parcelase.
For now, distribution is still via ParcelQuest OR visit our REST service.
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the last critical dataset

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For now, distribution is still via ParcelQuest OR visit our REST service
ArcGIS Server Implementation (the real revolution)

In 2008 Public Works purchased the first ArcGIS Server license

With no additional funds for implementation our subcommittee formed

And so the ArcGIS Server saga begins...
Where to start?

Focus on enterprise datastore
(trusted network only)
Catalog data
Determine edit and read-only environments
Learn how to load and maintain data
Learn how to publish map and cached map services
Train everyone to move off of file server and onto SQL Server

**BENEFITS:** One source for all enterprise data...no more errant shapefiles and projects sourced to out of date data
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<tr>
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<th>Type</th>
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Bring on the services!

Allowed for ArcReader projects to access LIVE data
Most departments stay with ArcReader until now
Couple of browser based mapping apps pop up
Flex viewer - Geoview in Planning
Flexviewer - Accomplishments in IT

We dabbled...
ArcGIS Server Round 2

Homeland security grant funded
Installed in the private dmz to support public and internal
Upgrade ArcGIS Server 10 to ArcGIS for Server 10.1
Lots and lots of new lessons
Allows Planning to create Permitviewmap
(http://www.sloplanning.org/PermitViewMap/MapSearch)
IT assumes primary responsibility
Implement public dmz server

Spring 2013
pubgis1 (web/app server) is implemented to support public facing apps and an impending Geocortex purchase
Did I mention a lot more lessons...
County Production Environment

ArcGIS for Server Enterprise Production Geodatabase Design

prvgisdb1
Edit GDBs
- ASR
- GIS
- Public Works
- Transportation

prvgis2
Edit GDBs
- SLIGO
- (read only)

gisdb1
Edit GDBs
- AgComm
- Sheriff
- Probation
- Public Works

gis1
Edit GDBs
- AgComm
- Sheriff
- Probation
- Public Works

External Desktops
- Mobile Devices
- Internal ArcGIS Desktops
- Internal Desktops

Internal ArcGIS Desktops
- Internal Desktops

http://gis.stlscounty.mo.gov/arcgis/rest/services
http://gis/gis2/20000/arcgis/services
http://gis/gis1/6000/arcgis/services
gis.slocounty.ca.gov

Gateway to our website - what’s new and how do we use GIS

Gateway to our mapping applications
gis.slocounty.ca.gov/sites/geoworks.htm
Another Revolution

County REST Services

Folder: /  
Current Version: 10.11  
View Footprints In: ArcGIS.com Map

Folders:
- Address Locators  
- Assessor  
- Clerk Recorder  
- Confidential  
- Geodetic  
- Planning  
- Public Works  
- Utilities

Services:
- SampleWorldCities (MapServer)

Supported Interfaces: REST, SOAP, Sitemap, Geo Sitemap

Folder: Planning  
Current Version: 10.11  
View Footprints In: ArcGIS.com Map

Services:
- Planning/2010 census blocks (MapServer)  
- Planning/3D contours (MapServer)  
- Planning/Black_Half (MapServer)  
- Planning/CLUT져 (MapServer)  
- Planning/URL_WML Map Black and White (MapServer)  
- Planning/FLYS JOINED PARCELS NOWATE (MapServer)  
- Planning/FLY PARCELS (MapServer)  
- Planning/NOA2 ord and (MapServer)  
- Planning/loads_add_ranges (MapServer)  
- Planning/Section Township Range (MapServer)  
- Planning/DECO_Recycling_Dot plurality WMS/MA (CameraServer)  
- Planning/DECO_Recycling_Dot plurality WGS84MA (MappServer)  
- Planning/DECO_Recycling_Dot plurality WGS84MA (FeatureServer)  
- Planning/DECO_Recycling_Dot plurality WGS84MA (MapServer)  
- Planning/Netmark permits (MapServer)

Supported Interfaces: REST, SOAP, Sitemap, Geo Sitemap
REST Service Options

**Data**—Selecting this option allows client applications to perform attribute searches on the features in your map service.

**Map**—Selecting this option allows client applications to view the map layers in your map service.

**Query**—Selecting this option allows client applications to query the features in your map service.
July 2013 Geocortex is purchased

REST and mapping applications

- Internal and Public

- Browser
- PUBGIS1 (Geocortex)
- PRVGIS2 (GIS Server)
- PRVGISDB1 (Data)

http://gis.slocounty.ca.gov/arcgis/rest/services/
Coming soon...

Internal and public mapping apps!
How and who to contact?

Data is on SLO DataFinder (in file gbd)
Departmental contact - if you know?
gis@co.slo.ca.us or dramos@co.slo.ca.us

But don't forget about our REST services
http://gis.slocounty.ca.gov/arcgis/rest/services
The TEAM
The secret to our is teamwork!