

WEST VIRGINIA GIS CONFERENCE



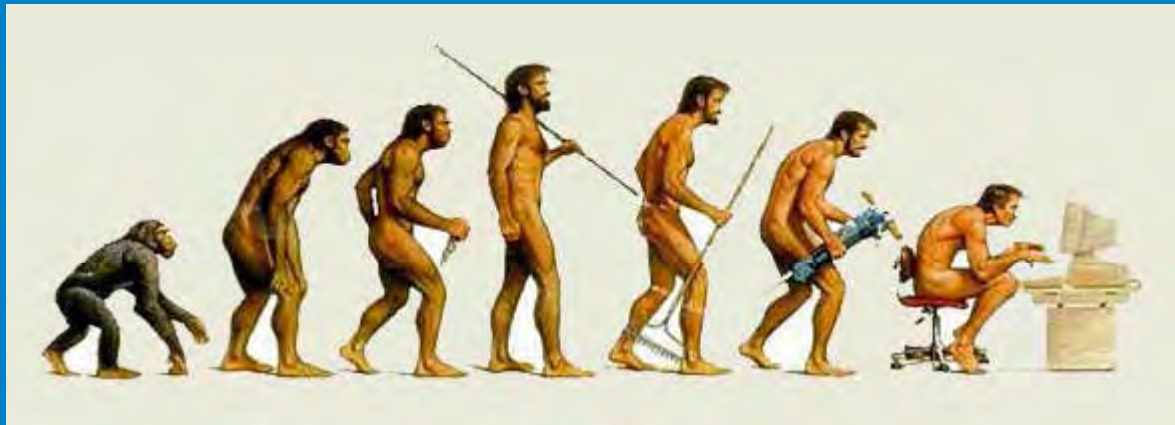
**CDM
Smith**

**GIS
Trends and
Technologies**

May, 2012

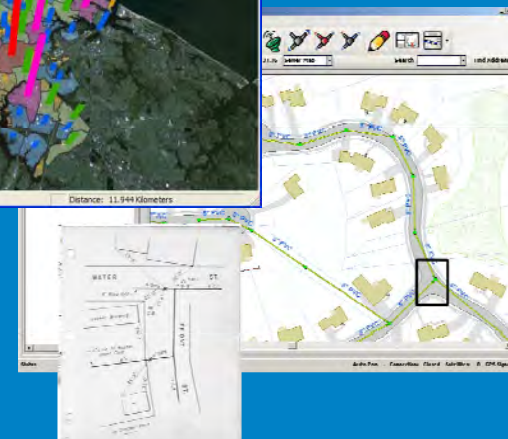
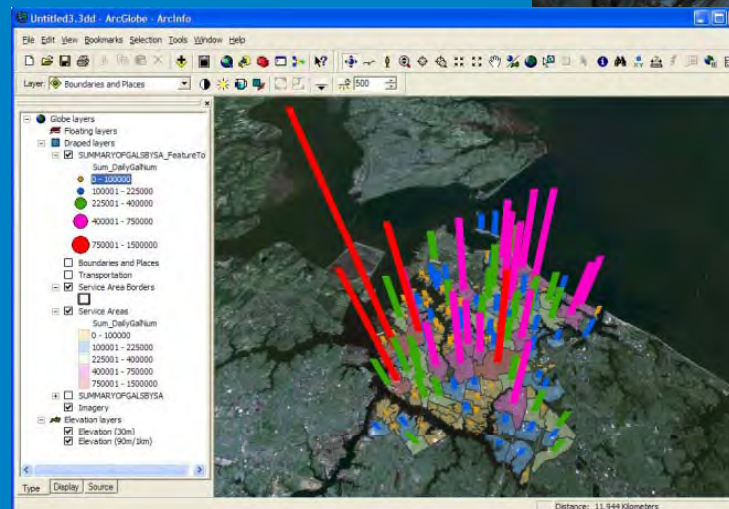
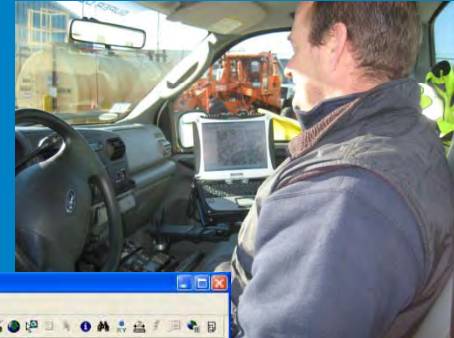
GIS Technology is Evolving Rapidly...

- **Software Capabilities Growing**
- **Feed Data to “Any” Device in Any Location**
- **Strong Integration with Key Systems**



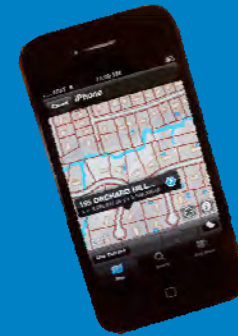
This Evolution Opens Up New Opportunities... Beyond Mapping

- **Access**
 - By Staff and the Public
 - To Office, Mobile, Home
- **Visualize**
 - System Condition
 - Project Status
- **Integrate**
 - Asset Management
 - CIP Programs
 - Telemetry



What's Under the Hood?

- **ArcGIS Server**
- **Key Devices**
 - Field Computers
 - iPads, iPhones, Android



*Pulsing Data to Anyone...
in Any Location*

← Your
GIS
Data

GIS Trends – In the Field

- **Many New Devices**
- **Support**
 - Asset Management
 - Field Data Collection
 - Field-Based Access
- **Local or Cloud-Based Access**



GIS Trends – Over the Web

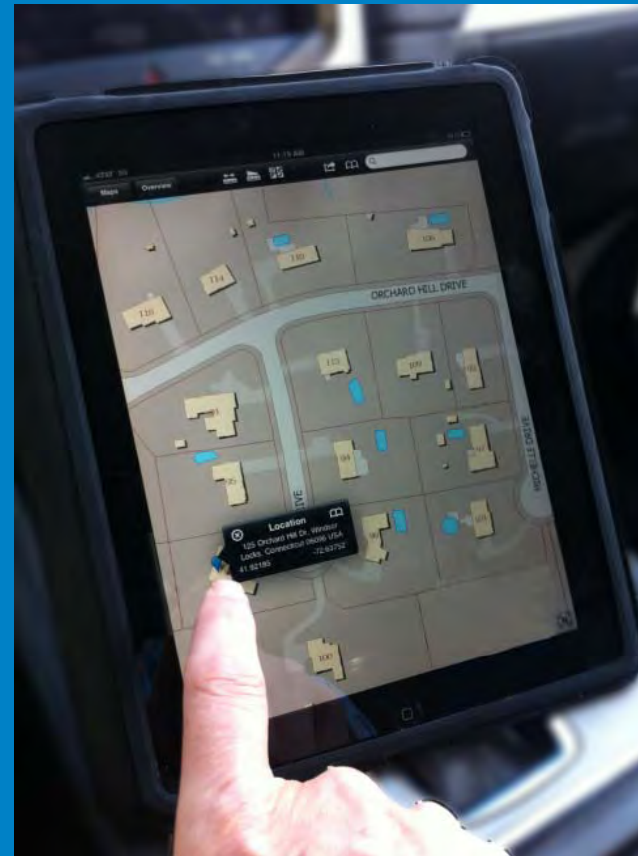
- **Public Access & Management Portals**
- **Enhanced Capabilities**
 - Project Management
 - Decision Support
 - Geoprocessing
- **“Skinning” To Give a Pleasant Experience**



GIS Trends – Via Mobile Devices

- iPad, iPhone, Android
- Asset Management
- Community Outreach
- Real-Time System Status
- Simplified Data Access

*Esri's ArcGIS Server with iOS
or Android API*



GIS Trends – ArcGIS For....

- Geodatabase Designs
- Map & Apps
- Plug & Play

The screenshot displays the ArcGIS Resource Center website, specifically the 'Local Government' and 'Water Utilities' sections. The top navigation bar includes links to ArcGIS.com, Support.esri.com, Esri.com, and a Sign In button. The main header reads 'ArcGIS Resource Center' with sub-links for Help, Blogs, and Forums. A search bar is located on the right.

ArcGIS for Local Government

The ArcGIS for Local Government Resource Center is where you can find **maps and apps** that help you implement GIS in your local government. The maps and apps you will find here are organized around the work done on a daily basis by local governments to manage geographic information, visualize trends, and publish great Web maps.

You'll find maps and apps that help you with:

- Land Records
- Water Utilities and Public Works
- Elections
- Planning and Development
- Public Safety

This Resource Center is also a place where you can communicate with other local government users, business partners, and the teams within Esri supporting local government. When you join this community, you can collaborate with us on the ArcGIS maps, apps, for local government.

ArcGIS for Water Utilities

This Resource Center is the home of ArcGIS for Water Utilities and the online community for water, wastewater and stormwater utility ArcGIS users.

ArcGIS for Water Utilities is an industry specific configuration of ArcGIS designed to meet common needs of water, wastewater and stormwater utilities and is delivered as a module of ArcGIS for Local Government. ArcGIS for Water Utilities is a free download that you can deploy on top of either the entire ArcGIS System or the individual components of the ArcGIS System that your organization licenses.

It is comprised of a series of maps and apps around 5 common activities at water utilities:

- Asset Management
- Planning & Analysis
- Field Mobility
- Operational Awareness
- Stakeholder Engagement

Read the Water Utilities blog for best practices, successful deployment patterns, and general information about the technical and organizational aspects of water, wastewater and stormwater GIS.

You can post questions and interact with other members of the ArcGIS water utility user community in the Water Utilities Forum.

Use the ArcGIS Ideas website to submit and vote on enhancement requests for water utilities and the new openconnects of ArcGIS.

Water Utilities Users can learn about collaboration opportunities around ArcGIS for Water Utilities.

Esri is pleased to announce a Spring 2012 Water/Wastewater User Group.

Water/Wastewater User Group Meetings:

The ArcGIS for Water Utilities Approach to Meeting Water Utility GIS Needs

Find your local meeting date

ArcGIS 10.0 Service Pack 4 (SP4) for English

Opportunities

Learn how Esri Partners can add value to ArcGIS for Local Government

ArcGISLocalGov

ArcGISLocalGov Configuring ArcGIS for Local Gov Maps & Apps Dev Summit Presentation now available #LocalGov #ArcGIS proceedings.esri.com/library/userco... 7 days ago · reply · retweet · favorite

ArcGISLocalGov Minor updates to Election Polling Place & Election Results apps add doc for users who want to use ArcGIS webmaps #LocalGov #Esri #ArcGIS 19 days ago · reply · retweet · favorite

ArcGISLocalGov New release of Tax Parcel Editing Map provides support for ArcGIS SP4 bit.ly/etAGOO #ArcGIS #Esri #LocalGov 19 days ago · reply · retweet · favorite

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Comments and Opinions

- Typically “Small Investment, High Return” items.
- This is Not Rocket Science
- Base GIS Software Has These Capabilities
- Leverage Your GIS to Incorporate More Users and Functions



Questions and Contact

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