



Fit for Purpose Technology for Land Administration

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GIS is Evolving

Web GIS is a new pattern

Data

Lidar Crowdsourcing

Drones

Sensors

Field Survey

GPS

Real-Time

Social Media

Remote Sensing

UAVs

Applications

Collaborative

Mobile

Native

Real-Time

Analytics

3D

Configurable

Visualization

Implementation

Open

Configuration

Agile

Web

Easier

Ready to Use

Standards



Web GIS

Virtualization

Technology

Big Data

Location

Internet of Things

Distributed Processing

Cloud

Smart Devices

Faster Computing

Consumerization

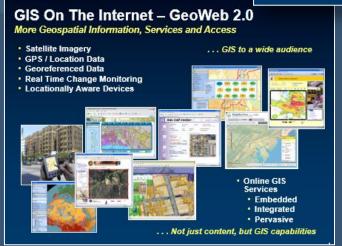
GIS is Evolving

Web GIS is an evolving pattern





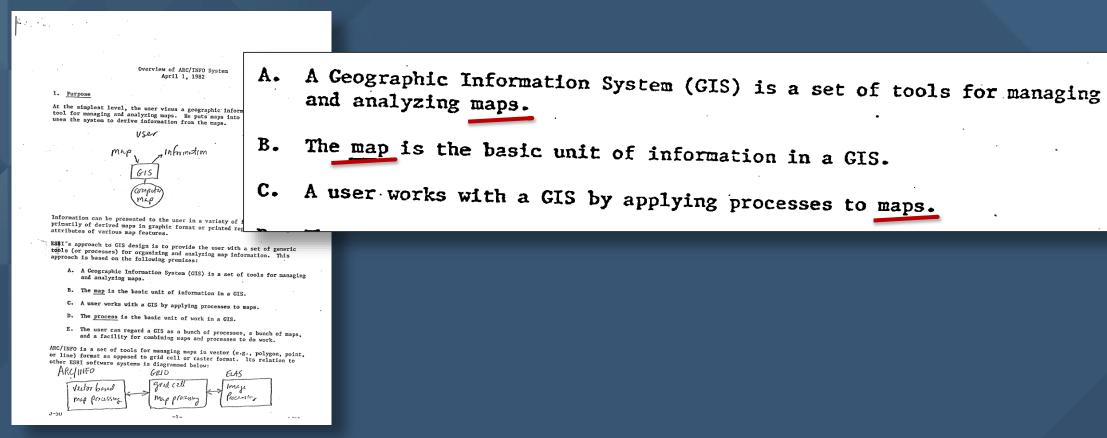






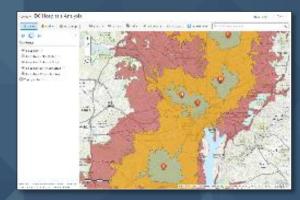
The importance of a map

A fundamental building block



The importance of a web map

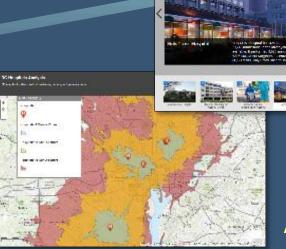
A fundamental building block of Web GIS



Map viewer (for authoring)



GIS Desktop



Story Maps



Public Information





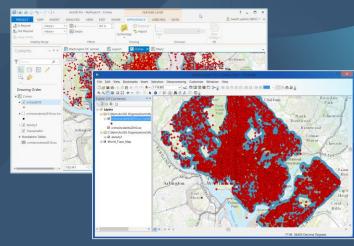
Web Maps open GIS

Allow many types of users to participate, use, and view

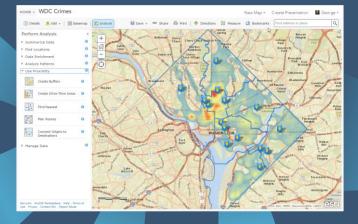


Office

GIS Desktop



Web Maps

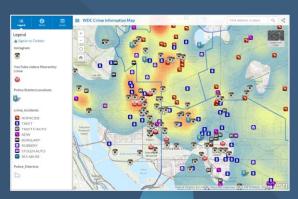






GIS Server

Apps





Portal

What is Web GIS?

Foundation of a modern GIS

- A pattern, or architectural approach
- Based upon services
- Supports Identity
- Cloud, on premises, or both
- Uses a Portal

Services

What is Web GIS?

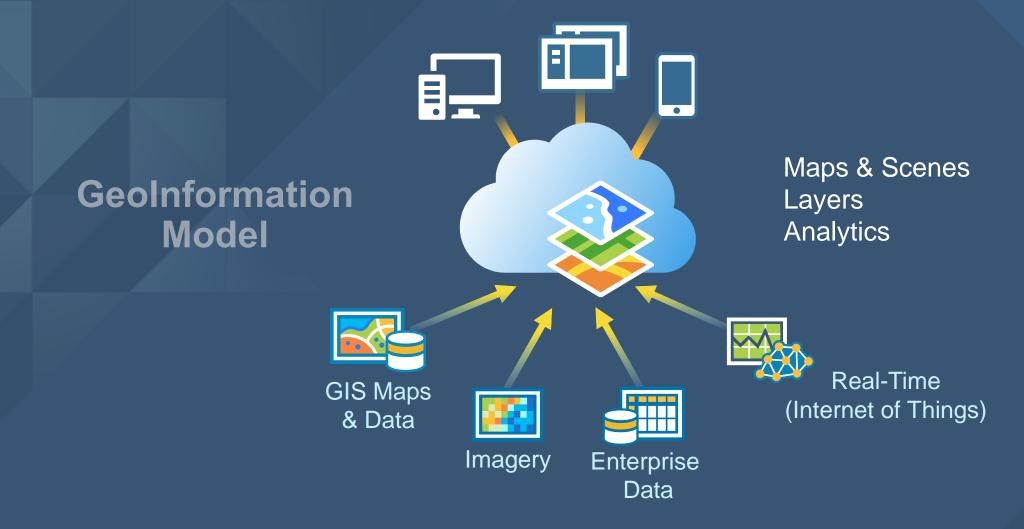
Foundation of a modern GIS

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GIS is a Web GIS platform

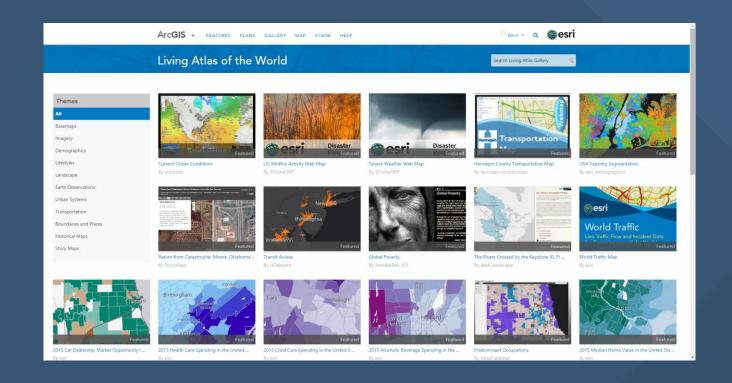
Abstracts and organizes all types of data



GIS Content

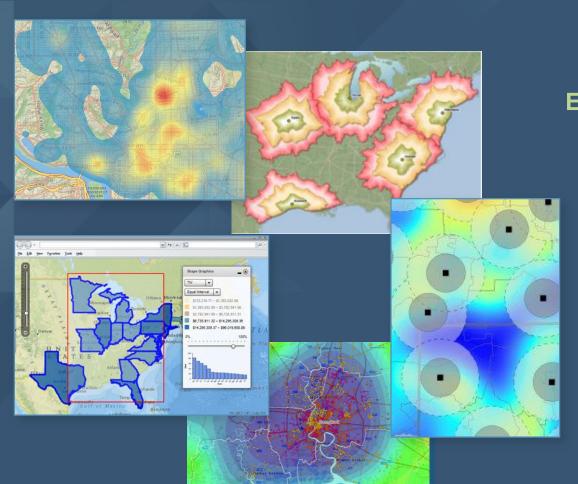
Living Atlas

- Basemaps
- Demographics and Lifestyle
- Transportation
- Urban Systems
- Earth Observations
- Imagery
- Landscape
- More...



GIS Services

Hosted publishing and analysis



Route Proximity

Find Nearby

Extract

Pattern Analysis

Buffer

Drive Time Analysis

Data Enrichment

Intersect

Aggregate Points

Merge

Dissolve Boundaries

Union

Summarize

Watershed

Find Hot Spots

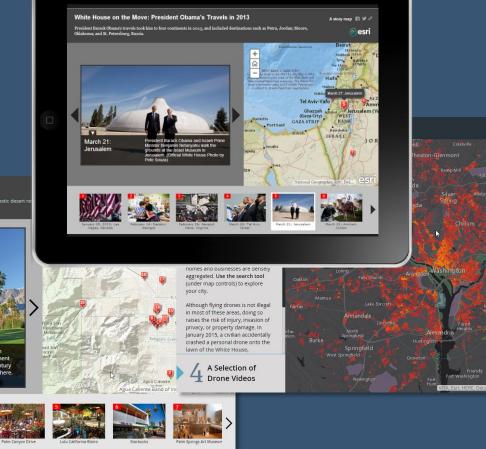
Field Calculator

GIS Apps

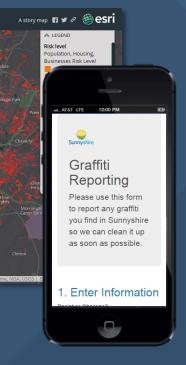
Configurable, Hosted, no programming required

Palm Springs Map Tour

- Configurable app gallery
- Story Maps
- Web AppBuilder
- AppStudio







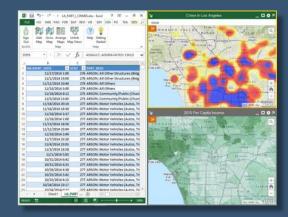
GIS Apps

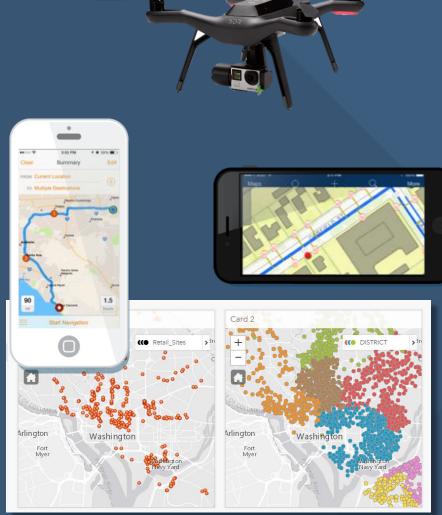
Support your workforce and workflows

- Maps for Office
- Collector
- Operations Dashboard
- Explorer
- Navigator
- Workforce Manager
- Drone2Map
- Insights
- Earth



Maps for Office





ArcGIS Online

Cloud-based Web GIS

- Hosted publishing and analytics
- Hosted apps
- Hosted content (Living Atlas)
- Sharing and collaboration
- Public ecosystem
- Integration with on-premises Web GIS



Web GIS transforms what we do

Changes how we work, integrate, share



Collaboration in Colombia

Partners, standards, security.....

- IGAC National Mapping Agency
- Kadaster International
- Trimble
- Esri
- Esri Colombia





ISO 19152:2012[®]

Geographic information -- Land Administration Domain Model (LADM)



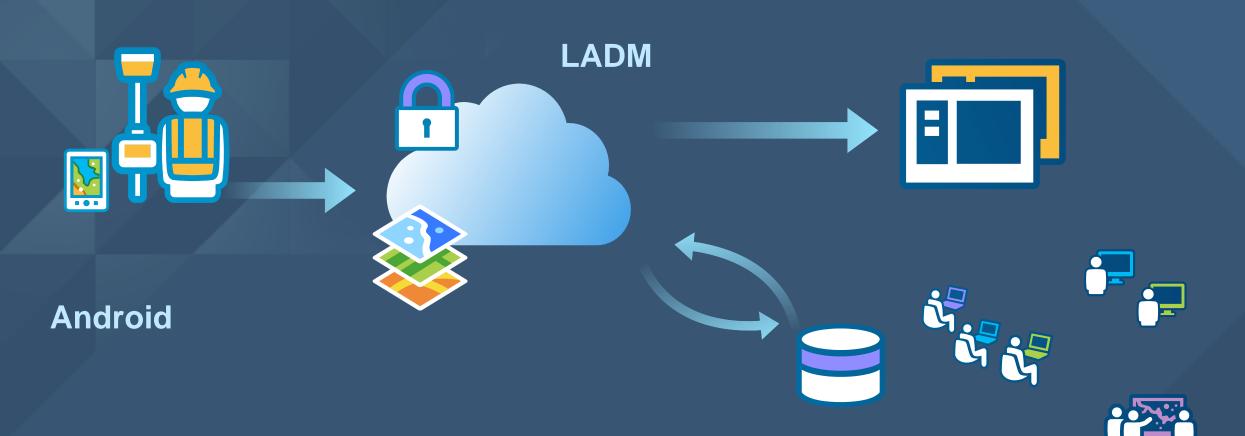
Why this Approach?

FFP in a couple of weeks.....

- Fast-to-Implement
- Standards-based
- Low Cost
- Accurate
- No Software Development
- Secure

- Leverages External Data
- Uses Many Devices
- Future Proof
- Scalable
- Repeatable
- Works Disconnected

Leveraging Modern Approaches FFP processes with FFP technology





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