

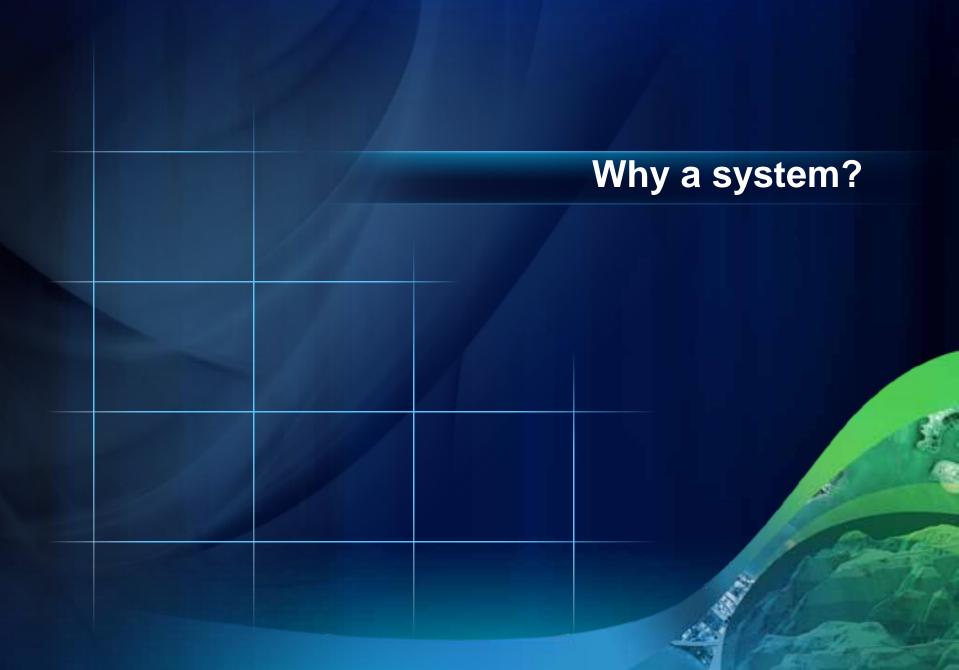
Esri International User Conference | San Diego, CA Technical Workshops | July 11-15, 2011

The ArcGIS System Putting it all Together

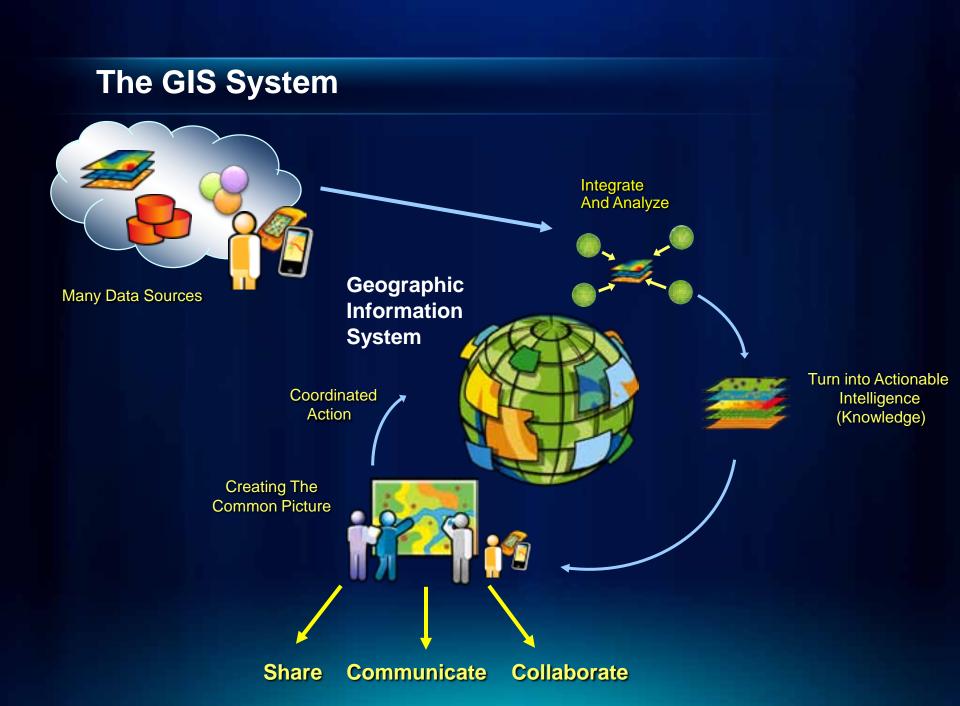
Canserina Kurnia and Carl Byers

Agenda

- Why a system?
- ArcGIS System
- Putting it all together
 - Products that make up the ArcGIS System







Why a GIS system?

Provide access from anywhere, anytime, using any device

- Supporting many missions and workflows
- Integrating information
- Improving efficiency by sharing
- Mitigating redundancy
- Providing real time information
- Lead to better decisions, and effective communication

ArcGIS

A Complete System for Geographic Information

- Easier
- More Powerful
- Everywhere



Making GIS Available to Everyone

ArcGIS Addresses Many Common Workflows



Modeling and Analysis



Design and Planning



Asset Management



Situational Awareness



Cartographic Design

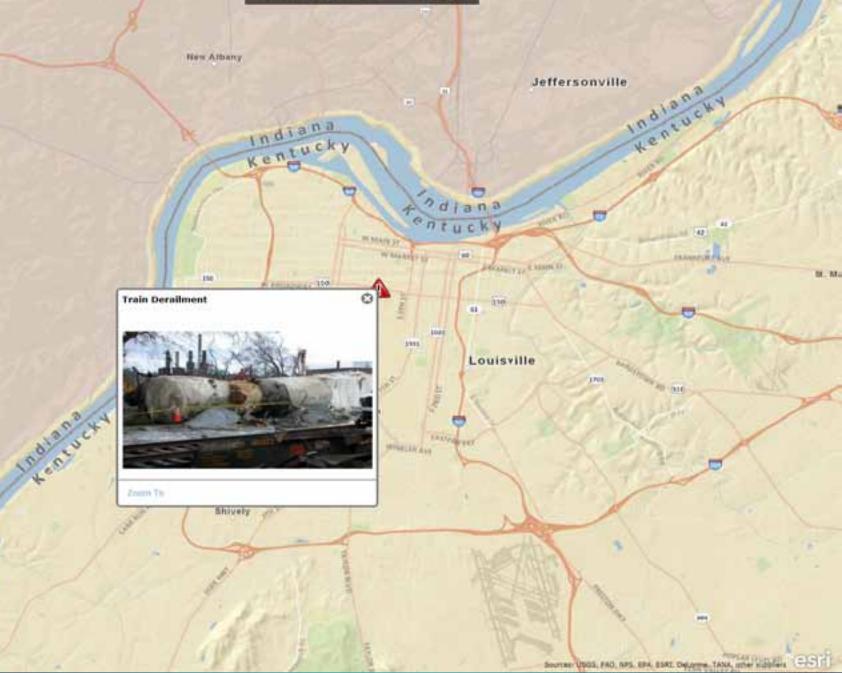




Collaboration and Transparency

Demo: ArcGIS - A complete system

Train Derailment



GIS Addresses Many Groups



Data and Analysis GIS Analyst



Emergency Operations Center



Field crews Damage assessment



Public officials (Fire and Police dept)



Public (Community)

Common GIS Implementation Patterns



ArcGIS System Putting it all together

Understanding the details

ArcGIS System

Desktop GIS

ArcGIS' Desktop ArcGIS Engine ArcGIS Explorer

Server GIS

ArcGIS Server ArcGIS Server Extensions

ArcGIS

Data

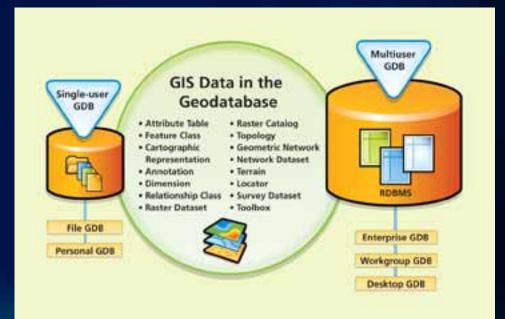
ArcGIS[®] Online Services ArcGIS Data Appliance StreetMap[®] Premium ESRI Demographics ESRI Data & Maps

Mobile GIS

ArcGIS Mobile ArcPad Multiple OS

Data-driven systems: the geodatabase

- Support the breadth of GIS system
- Leverage existing RDBMS technology
- Scalable
- Foundation



ArcGIS Desktop



Spatial Analysis & Modeling

Catalog & Metadata

ArcGIS Desktop functionality

www.esri.com/desktop

ArcGIS Desktop 10 Functionality Matrix

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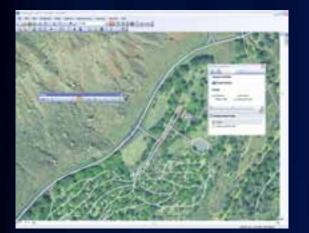
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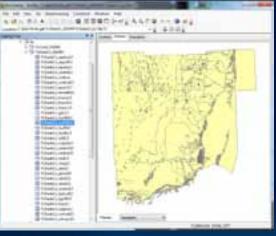
ArcGIS Desktop Applications





ArcScene

ArcMap



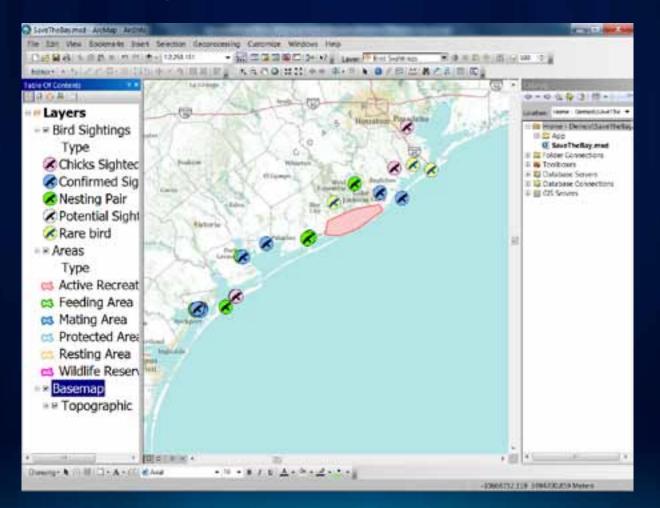


ArcCatalog

ArcGlobe

ArcGIS Desktop Applications

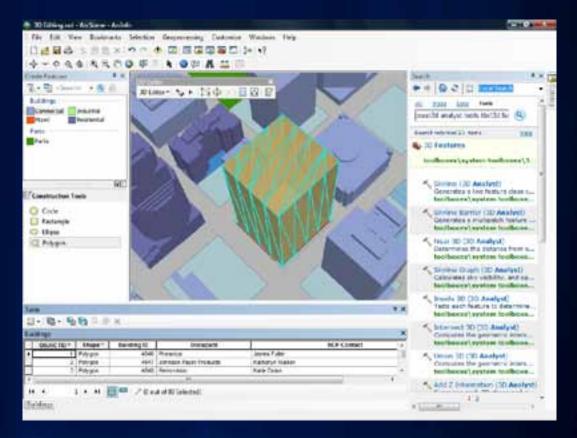
ArcMap and ArcCatalog in one application (10.0)



ArcGIS Desktop Extensions

Providing Specialized Capabilities

- Analyst series
- Productivity tools
- Specialized software



Demo: ArcGIS Desktop



ArcGIS Server Is a Platform for Web GIS

Comprehensive GIS Accessible from the Web, Desktop, and Mobile

- Server Oriented Architecture
- Enabling Web GIS
- Rich Application Clients
- High Performance and scalable
- Interoperable
- Dissemination and collaboration



What types of services can ArcGIS Server offer?



Мар

View or query a 2D map on the server



- Globe
- View or query a 3D globe on the server



Geocode

- Perform address matching on the server
- Geodata
- Perform data replication, extraction, or query
- Geoprocessing
 - Run a tool or model on the server and get results



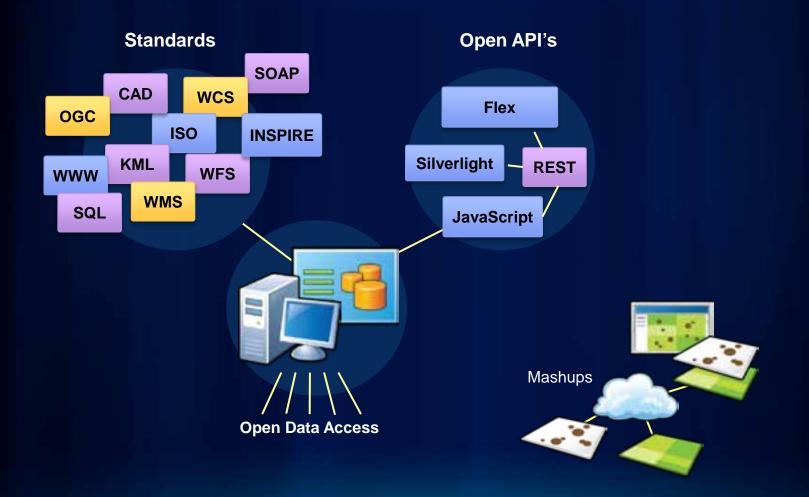
Image

Provide access to raster data though a Web service

ArcGIS Server



ArcGIS is Interoperable Using Industry Standards



Demo: ArcGIS Server



ArcGIS on Mobile Devices



Demo: Mobile Application

ArcGIS Online

A Cloud Based Portal



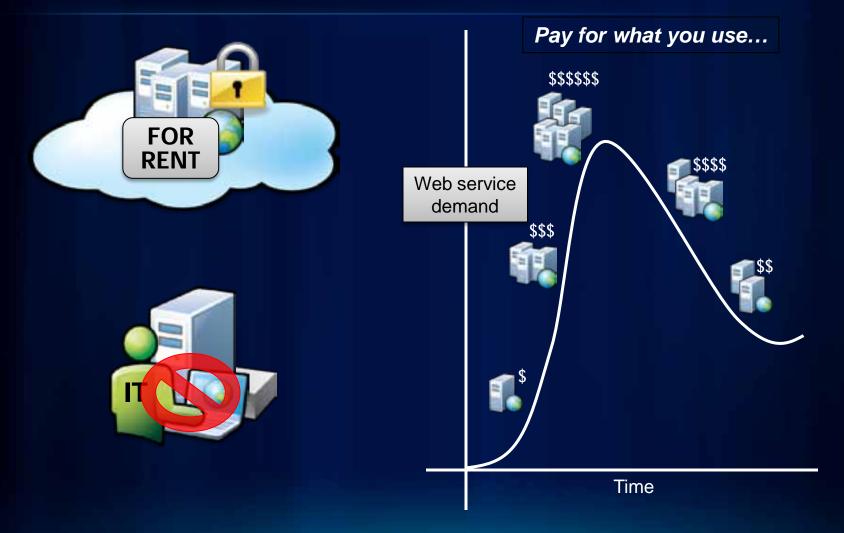
Distributed Services

For Sharing, Discovery and Use.... ...Providing a Ready-to-Use Geospatial Platform

Demo: ArcGIS Online



What is the trend? Cloud computing



Summary

"ArcGIS is more than just mapping. It is a complete system that transforms the way you do business and makes organizations efficient and effective"

Think about how we can help you enable ArcGIS as a system in your organization....

Take The Next Step

Visit:

- ArcGIS.com <u>http://www.arcgis.com</u>
- ArcGIS Resource Center <u>http://resources.arcgis.com</u>
- Esri products http://www.esri.com/products

Related Technical Workshops

 The Power of GIS: Real Examples and Applications (Wednesday 3:15 PM, 6E)

Questions

Please fill in the survey..... Http://www.esri.com/sessionevals

Thank you

Thank you

