

Global Challenges

A Dynamic World Creates Complex Intelligence Challenges

Pandemics

Famine and Drought

Natural Disasters

Displaced Persons

Civil Unrest

Political Crisis

Terrorism

Organized Crime

Adversaries

... And Impacts National Security

Technology Advances

A Whole New Pattern Is Emerging

Collaborative Analytics

Real-Time
3D

Visualization
Apps

Applications

Crowdsourcing
Sensors
Field Reports
Real-Time
GPS
Social Media
Remote Sensing

UAVs

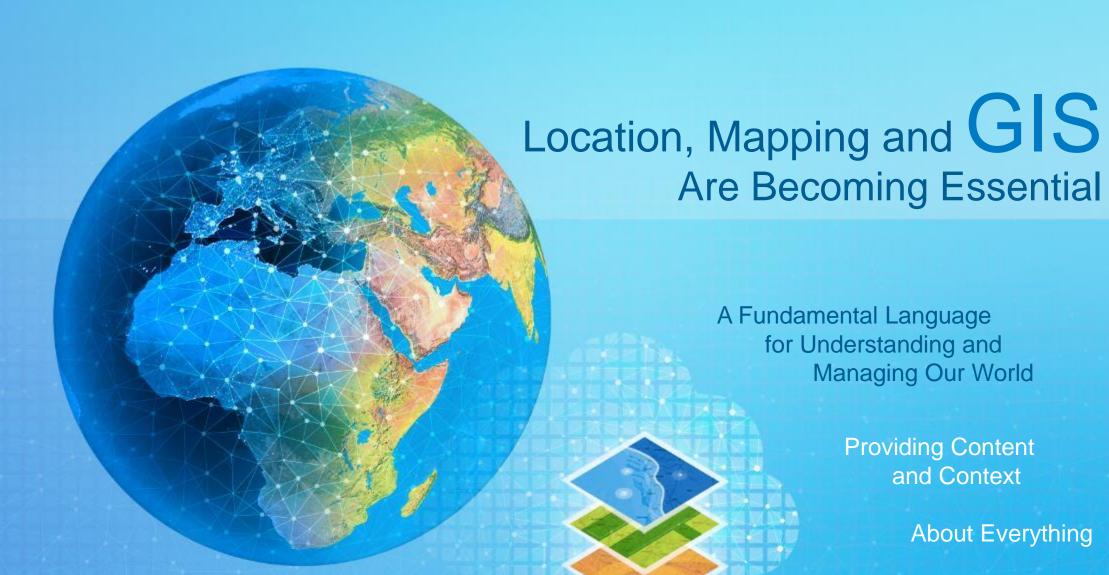
Virtualization IoT
Technology Faster Computing

Distributed Processing

Cloud

Smart Devices

Consumerization



GIS Provides the Framework and Process

For Enabling a Smarter World **Data Integration** and Management Visualization and Mapping Analysis and Modeling Planning and Design Action Decision-Making Transforming How We Think and Act Creating a More Sustainable Future

GIS Connects Everyone

Creating a System of Engagement



GIS Embeds Advanced Analytics and Visualization

Providing a System of Insight





GIS Integrates Everything

Connecting People, Processes, Things and Data About Them

Improving Efficiency, Collaboration and Communication System of Engagement

Helping Organizations
Understand ...

System of Record

System of Insight

Supports Multiple Types of Systems





An Enterprise GIS

Connecting People, Processes and Data



Supports Multiple Types of Systems

System(s) of Record

- Foundation Data
- Imagery Libraries
- Manages Authoritative Content
- Streamlines Data Production
- Supports Transactional Workflows



- Consumer Focused
- Unlocks data
- Exposes GEOINT services to the Community
- Easily Discoverable
- Enables self-service mapping
- Provides light-weight analytics
- Enables Collaboration
- Device Agnostic

System of Insight



- Event-based Alerting
- Enables Pattern Detection
- Performs Predictive Analytics
- Enables Self-Service Analytics
- Supports Rapid Decision Making

Evolving to an Enterprise GIS

Four Recommended Focus Areas

Integrate Imagery and Foundation into the Analytic Workflow

Expose Analytic Content to the Enterprise

Derive Deeper Insights



Deliver Mission-Focused Apps







GIS Integrates Intelligence and Operations

Geospatial Analysts



HUMINT Analysts



All Source Analysts

Enterprise Integration

Commanders and **Executives**

Mobile Operators





















Analysis Services





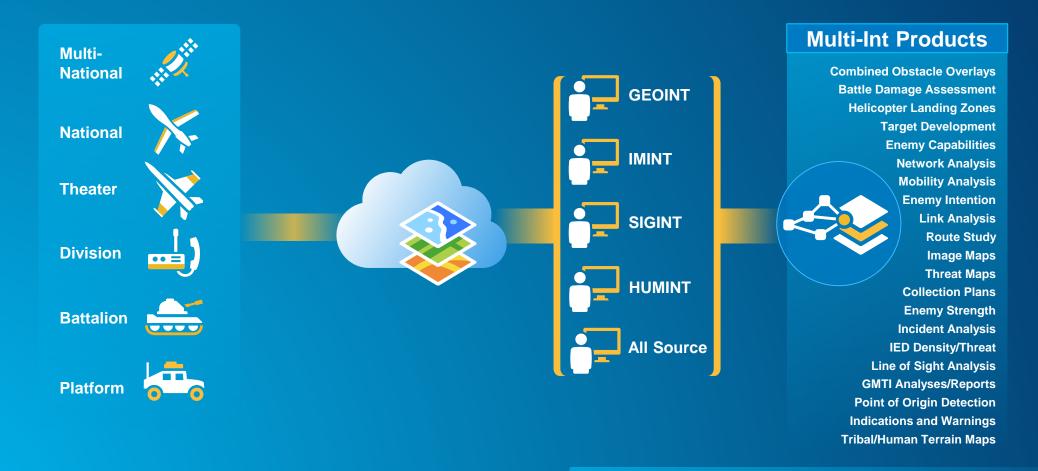




Open-Source

Intelligence Platform

ArcGIS Can Provide the Intelligence Platform

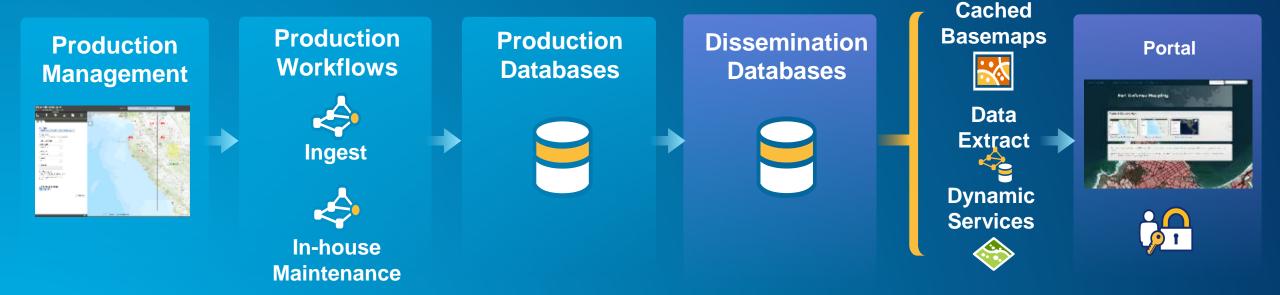


From Raw Data to Finished Intelligence

Foundation Geospatial Management

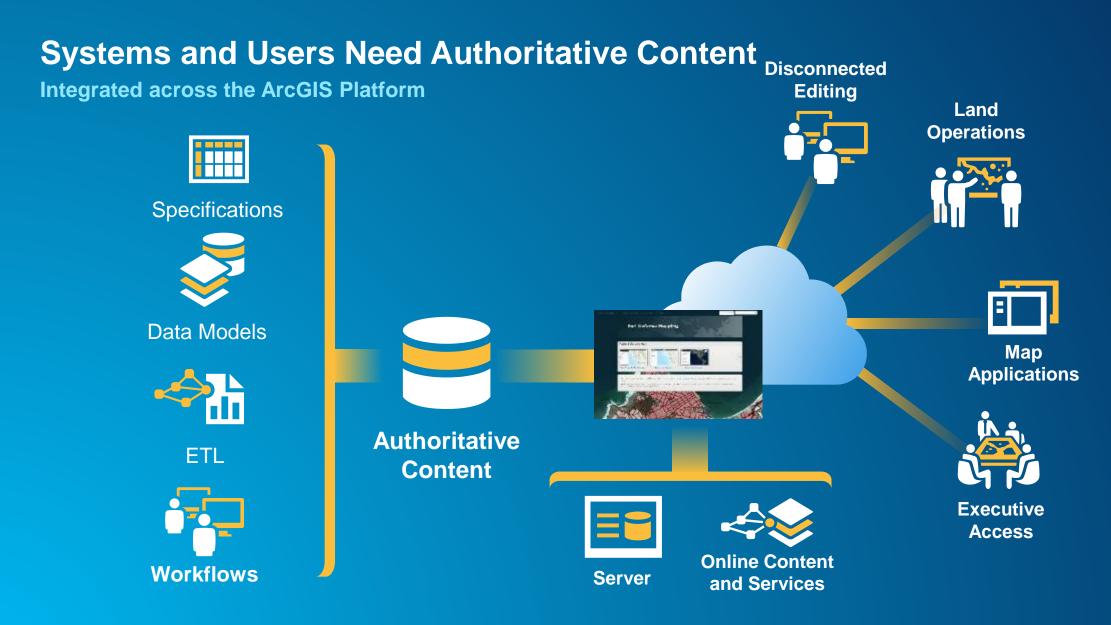
COTS-Based Topographic Production

Aero, Hydro, Topo, Names and Boundaries



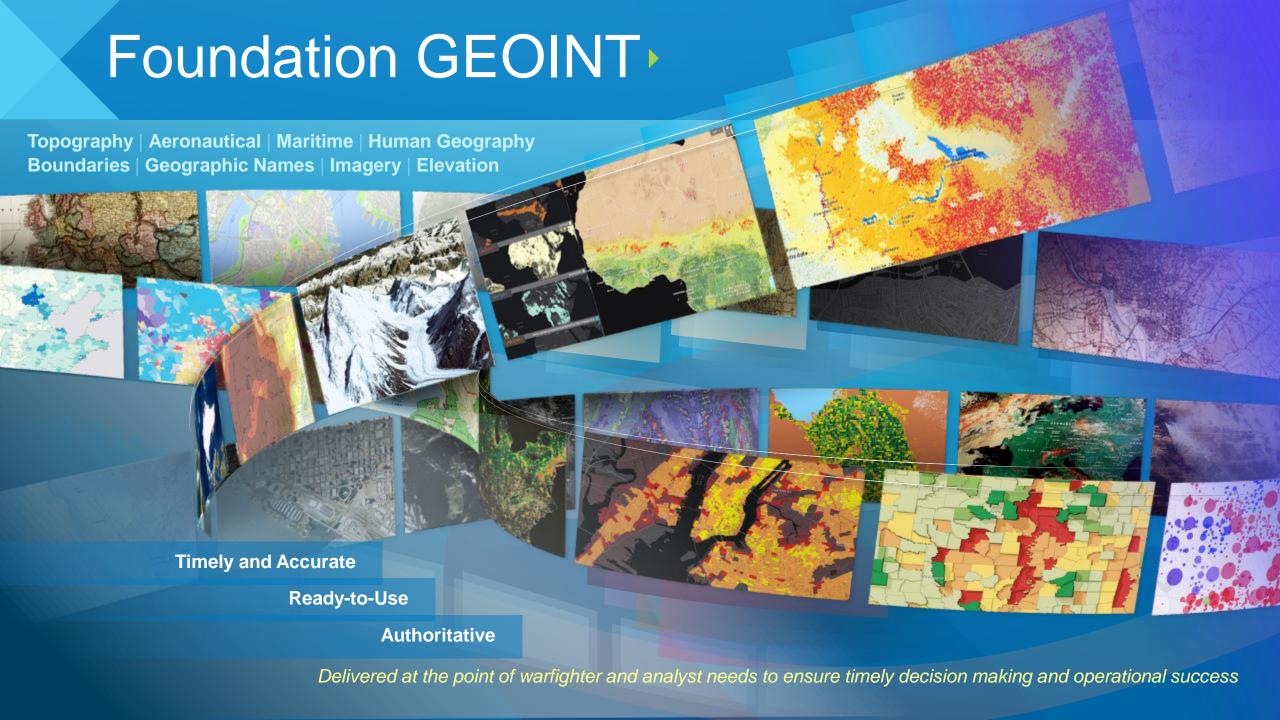
System of Record

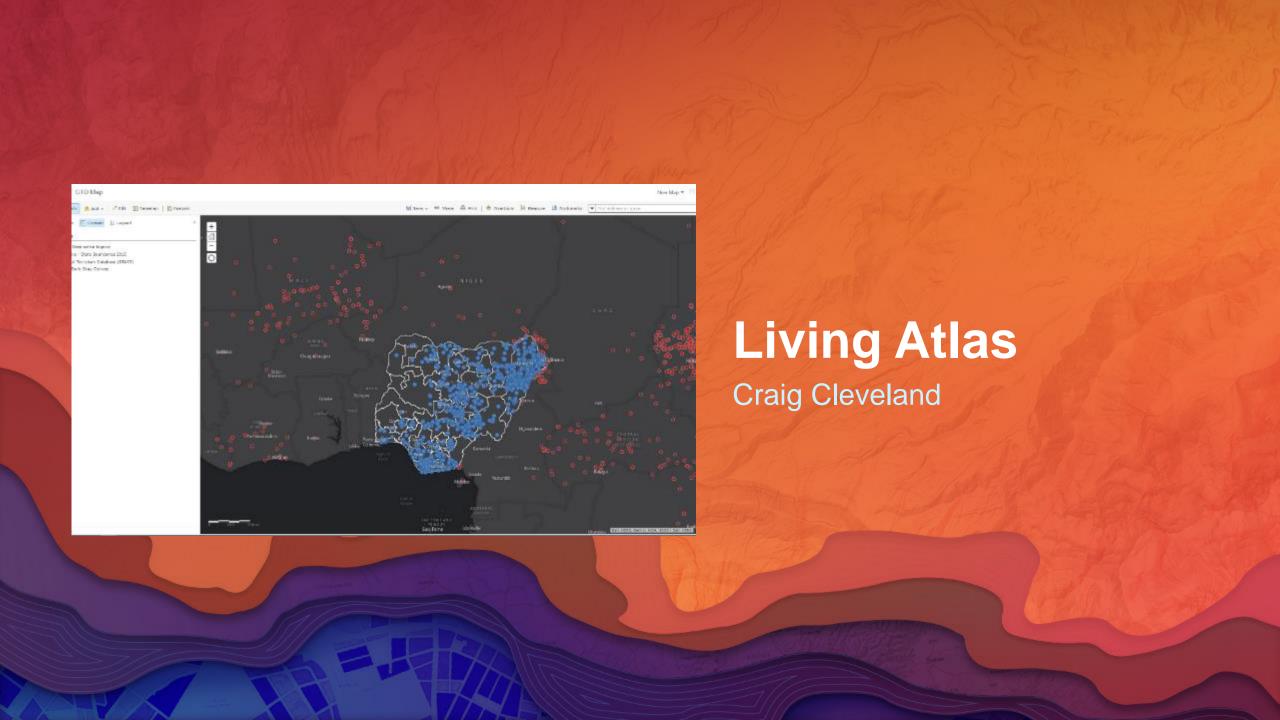
System of Engagement



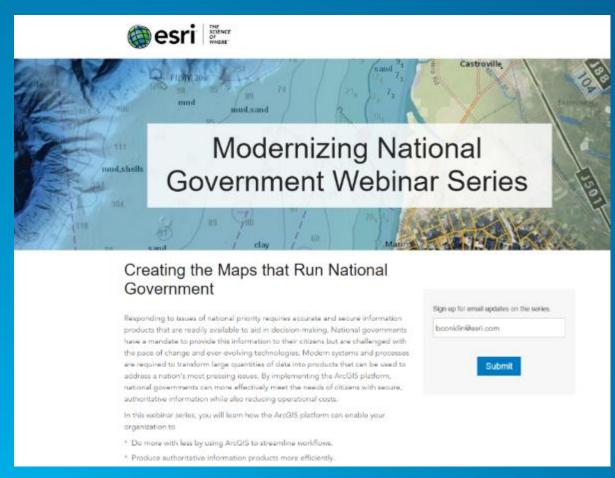
Collect / Produce

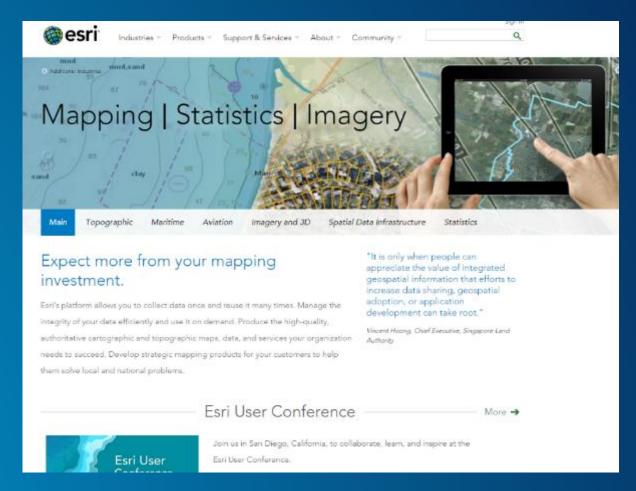
Manage / Share





Foundation Modernization Resources





http://go.esri.com/modernizinggovernment/webinars

http://www.esri.com/industries/mapping-statistics-imagery



GIS is a Multi-Int Platform

Terrain All Source CI / SIGINT **Enterprise Imagery** Workstation Workstation Workstation Mobile Integration Portal Analysis Services Internal Data Sources External Data Sources Classified Open-Source

GIS Dynamically Integrates Information

From Collector to Enterprise and Analysis



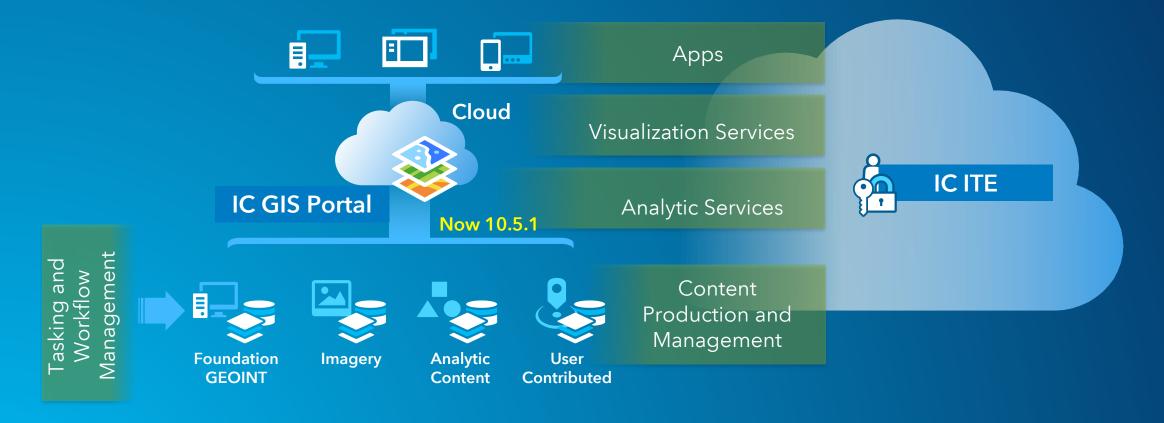
GIS Connects Everyone

Enable your organization



A Platform for the GEOINT Community

60,000+ Users across the Intelligence Community

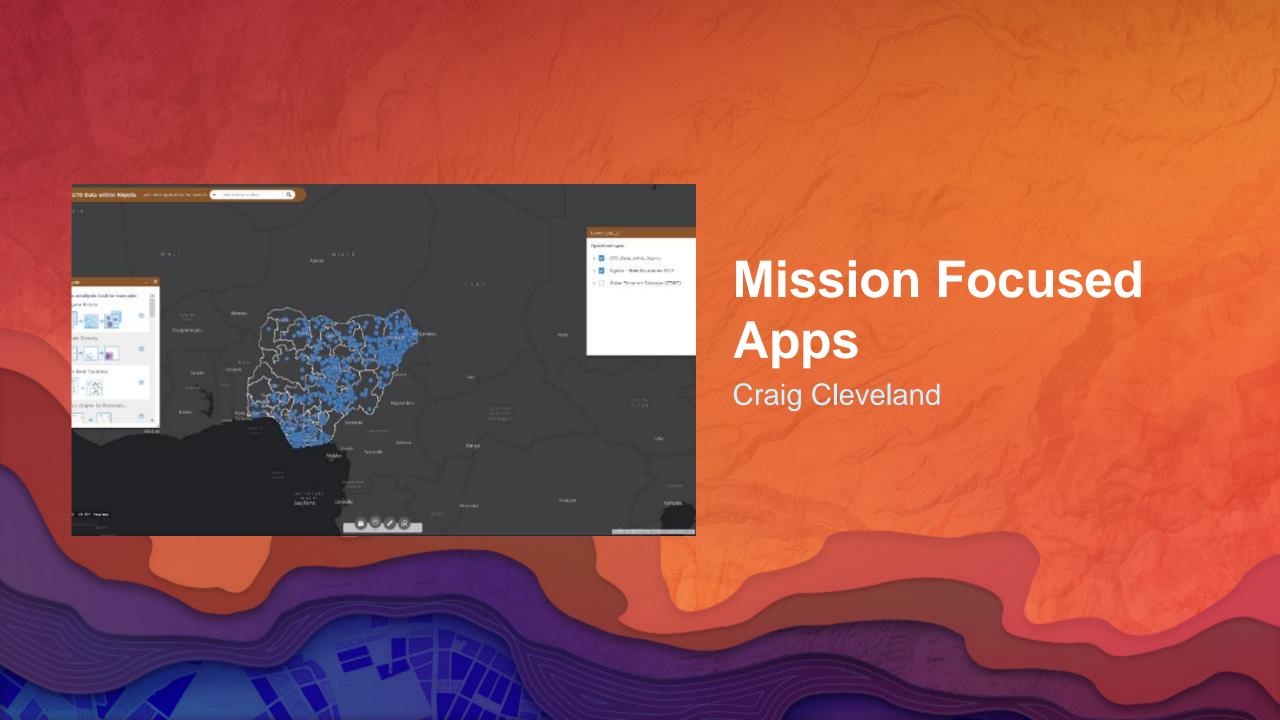


"One of our really great approaches is the use of ArcGIS as a geospatial framework...the IC GIS Portal is a platform for analytics, collaboration, and data sharing that is used throughout the Intelligence Community."

-Sue Gordon, Deputy Director, NGA

Mission Focused Applications





Mission-Focused Applications

Configured Apps for Analytical Workflows

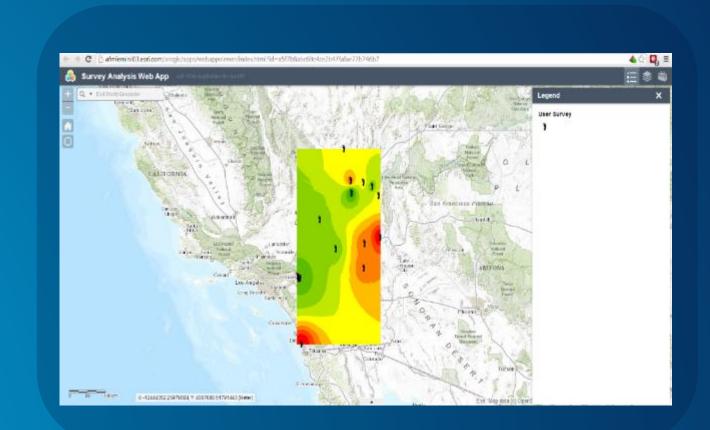
Browser based Application

Easily Configurable

Custom Analytical Tools

User-Defined Workflow

Powered by Services





GIS Embeds Advanced Analytics and Visualization

Providing a System of Insight



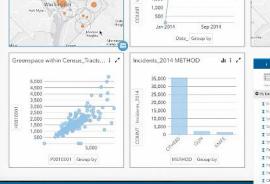
Insights

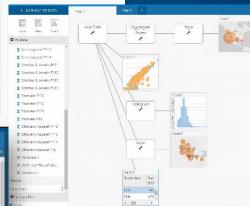
Transforming Understanding with Exploratory Analysis

Integrated Spatial and Tabular Analysis

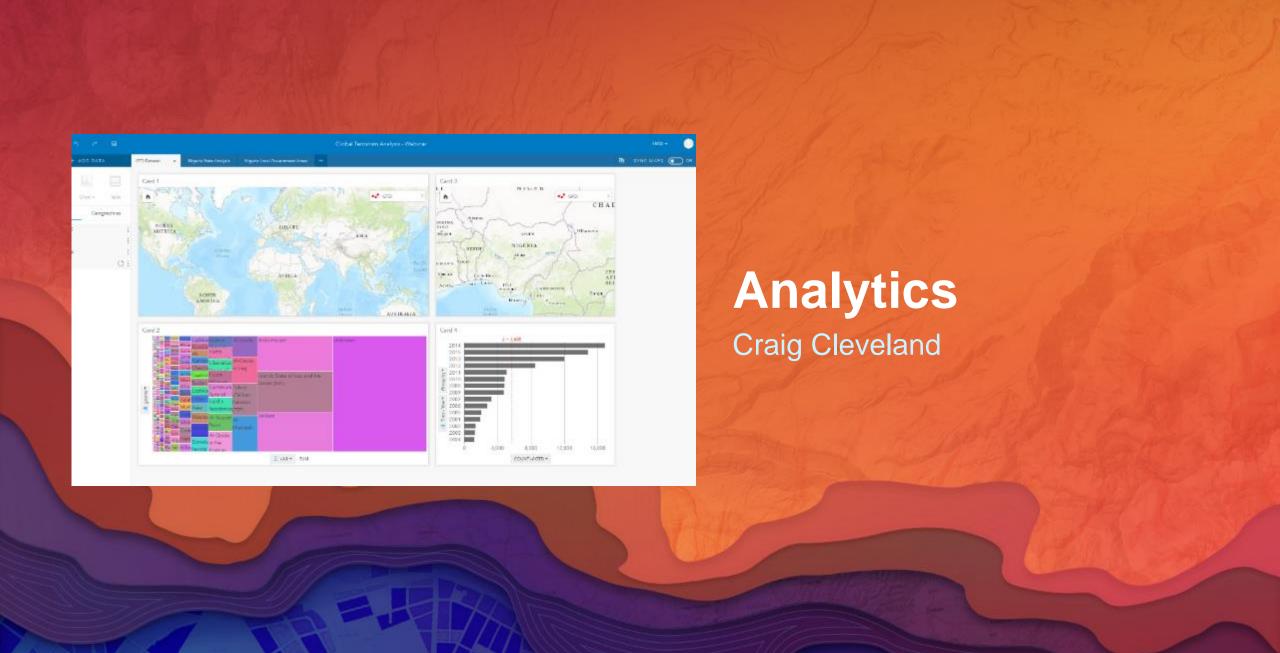
- A New App
- Visual, Intuitive, Responsive
- Dynamic Spatial Analytics and Visualizations
- Very Fast

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On-the-Fly Visual Models



Real-Time

Integrating Sensor Networks and the IoT

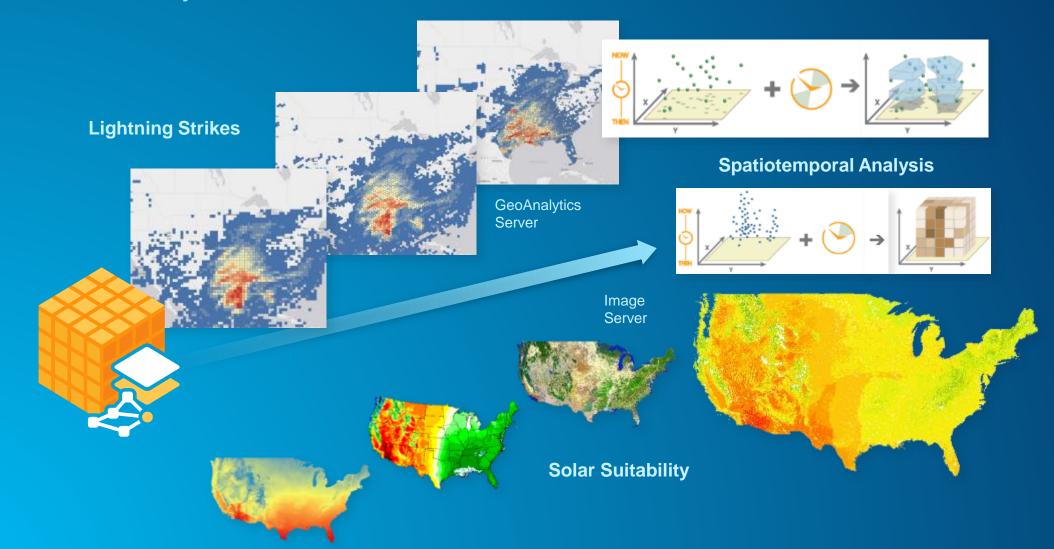
- High-Velocity Data Streams
- Monitoring and Alerting
- Dynamic and Big Data Analytics





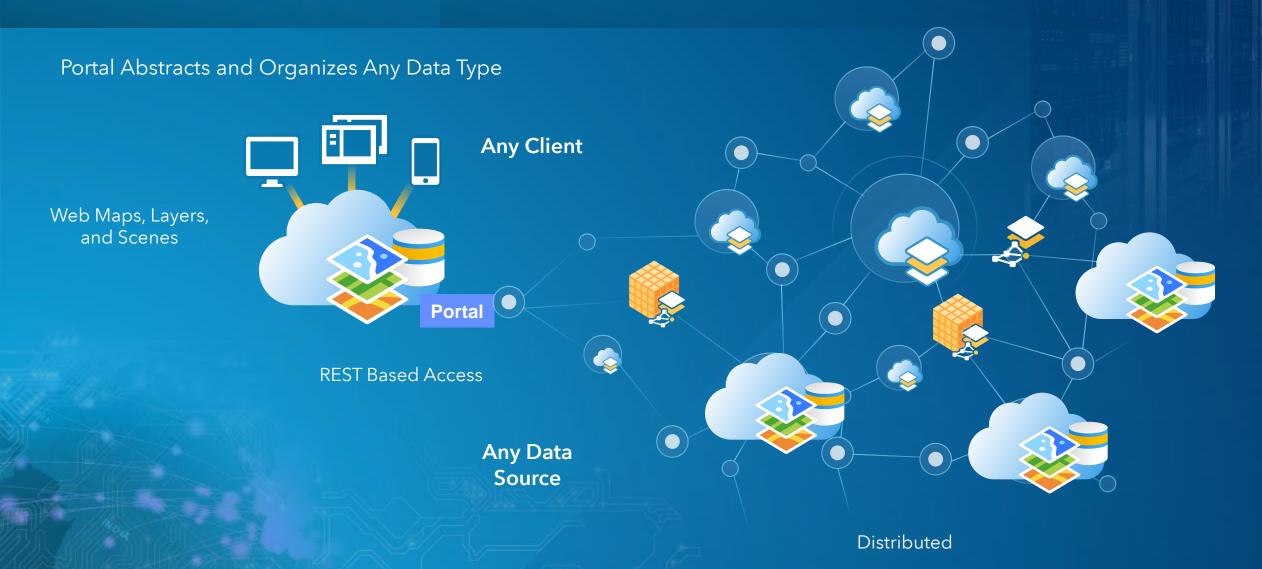
Big Data

Parallelized Analytics on Vector and Raster Data



ArcGIS Enterprise

ArcGIS In Your Own Infrastructure



ArcGIS Enterprise | Server GIS vs. Web GIS

Scalability, Reliability and Maintainability

Server GIS

Silo'd use of GIS services within custom applications



Web GIS

Pervasive use of web layers, scenes, and maps within all of the ArcGIS apps



Web Maps Web Scenes Web Layers



Services

Data

Geospatial Infrastructure For Modern, Secure Networks



ArcGIS Is Open, Interoperable and Standards Compliant

Product Integration SQL Server Adobe Creative Cloud Azure AutoCAD MS Office Teradata Netezza

SAP HANA

IBM Cognos

Oracle

AWS

Open Standards and Formats

WCS KML **WMS WWW** WFS Web Scene (I3S) **OPeNDAP LERC** SOAP **WMTS REST** WaterML **INSPIRE** NetCDF **WPS** OneGeology Shapefiles OGC* Principal Member CityGML GeoPackage

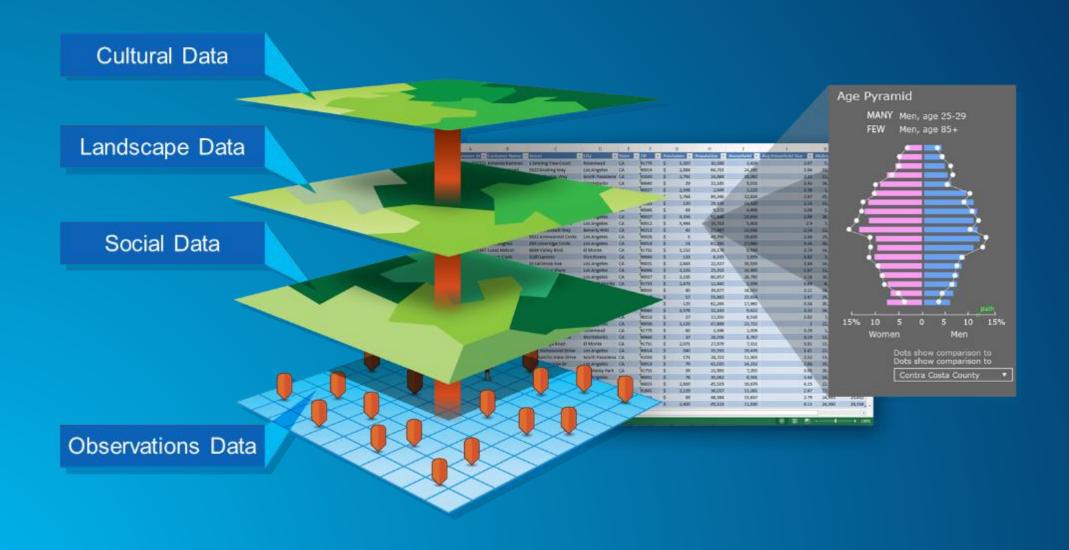
Open Software

Open
APIs & Extensible
SDKs Architecture
Open Data
Access Embeddable
Components
Open-Source
Contributions (300+)
Open-Source
Integration



... Successfully Integrated into Thousands of Systems

Integrating and Enriching Intelligence using Location



The Power of a Multi-Int Platform

Putting it all together



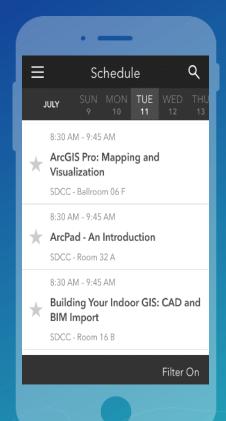


Please Take Our Survey on the Esri Events App!

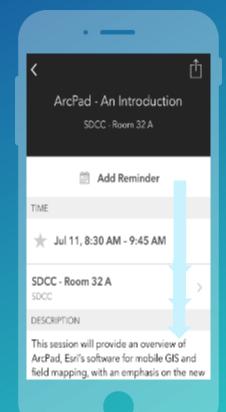
Download the Esri Events app and find your event



Select the session you attended



Scroll down to find the survey



Complete Answers and Select "Submit"

