ArcGIS for Intelligence: An Overview

Tara Mott
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Goals for Workshop

- What is ArcGIS for Intelligence?
- Demo ArcGIS for Intel Solutions
  - Source Management
  - Analysis and Fusion
  - Dissemination
- Resources
ArcGIS Solution Templates

Local Government

State Government

Utilities

Telecommunications

Public Safety

Emergency Management

Military

Intelligence
A Changing World
A Dynamic World Creates New Intelligence Challenges

Global Corporations  Cyber Warfare
Natural Disasters
Border Security  Domestic Terrorism
Political Crisis
Energy Security  Organized Crime
Adversaries

... And Impacts National Security
Intelligence Community Challenges

- Security
- Discovery
- Collaboration
- Dissemination
- Multi-INT Fusion
- Requirement for Deeper Analytics
A Geospatial Platform will Support the Intel Community

Intelligence Analysts  Senior Executives  Policy Makers  Operators  Enterprise Integration

Making GEOINT Available Across the Community
Web GIS – Environment for Integration

For Mapping, Analyzing, and Managing Geographic Information
Accessible from Any Client

Simple
Integrated
Open

Desktop | Web | Device
---|---|---

Web GIS

Server

Online Content and Services
Powered by Services

Simple
Integrated
Open
Organizes Content and Manages Access

Simple
Integrated
Open

ArcGIS for Intelligence: An Overview
ArcGIS Is a Platform

Enabling GIS Everywhere

Simple
Integrated
Open

Available in the Cloud . . .
. . . and On-Premises
Creating and Integrating All Types of Intelligence

- Maps
- Spreadsheets
- Social Media
- Sensor Networks
- Imagery
- Massive Content
- Services
- DBMS

Providing a New Medium for GIS
Web GIS Dynamically Integrates Information

Visual Overlay

Mashup

Spatial Analysis

Modeling

Combining and Analyzing Information
Web Maps are Building Blocks…
Portal for ArcGIS
Demo
Renee Bernstein
A Platform for the IC

Desktop | Web | Device

Portal

Analysis Services | Internal Data Sources | External Data Sources
A Platform for the IC

- All Source Analysts
- Geospatial Analysts
- HUMINT Analysts
- Imagery Analysts
- SIGINT Analysts
- Executives
- Enterprise Integration

Portal

- Analysis Services
- Internal Data Sources
- External Data Sources
What are Templates?
Fully documented and open source

- **Maps**
  - Useful examples of standard information products
  - MPK, Web Maps etc..

- **Tools**
  - Standalone Tools or scripts

- **Services**
  - Map, Image, Geoprocessing, Event Processing

- **Application Configurations**

Templates are not new technology!
They build on what you already have and use.
Image Observables

Web App Builder

Mensurate and digitize imagery observations

Collector

Collect and edit maps and data online or off

Create your own intuitive, fast and beautiful web apps

No coding required…
GeoEvent Processor/Operations Dashboard

- Dynamic data updates maps automatically
- Create and share views with real-time data feeds

FMV

- Extract geo-referenced images from video
- Digitize features directly in video to display in map
Applying the Science

Demo

Renee Bernstein
Predictive Analysis Toolset

Build complex queries and speed models on rasters

Generate predictions on multiple sets of raster data
Information Sharing

Craig Cleveland
Esri Maps for Office

Embed dynamic maps in PowerPoint

Map Journal

Create multimedia stories with text, graphics and maps

Map Tour

Use as visual and interactive briefing tools
Solutions for ArcGIS for Intelligence

Blogs, Online User Community, Desktop Templates and Web Apps

- Crisis Reporting
- Facility Reports
- Full Motion Video
- Geonames Locator
- Image Observables
- Incident Analysis
- Issue Reports
- Position Analysis
- Visibility and Range

GitHub: http://esri.github.io/#Intelligence
ArcGIS Solutions: http://solutions.arcgis.com/intelligence
Thank you...

• Please fill out the session survey:

  Offering ID: 1122

  Online – www.esri.com/ucsessionsurveys
  Paper – pick up and put in drop box
Related Technical Sessions

• **ArcGIS for Intelligence: Collaboration & Reporting Using Portal for ArcGIS**
  - Wednesday, 8:30 – 9:45 am, Omni Ballroom A/B

• **ArcGIS for Intelligence: How to Create Meaningful Map Products**
  - Wednesday, 10:15 – 11:30 am, Omni Ballroom A/B

• **Briefing in a Disconnected Environment (Briefing Book)**
  - Wednesday, 4:30 – 5 pm, Demo Theater, Defense & Intel – National Security Showcase Exhibit Hall D

• **FMV**
  - Thursday, 10:30 – 11 am, Demo Theater, Imagery Island Exhibit Hall C

• **ArcGIS Predictive Analysis Tools**
  - Tuesday, 2:30 – 3 pm, Demo Theater, Defense & Intel – National Security Showcase Exhibit Hall D
  - Wednesday, 2:30 – 3 pm, Demo Theater, Defense & Intel – National Security Showcase Exhibit Hall D
Understanding our world.