

Introduction to ArcGIS Online

Technical workshop 8 April 2014

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GIS for the United Nations and the International Community Conference





A Global Network of GIS Professionals

Telecommunication

Nuclear Power

Humanitarian & Food Aid

d Aid Agriculture & Development

Health

Refugees

Demining

Our World Is Facing Serious Challenges

Collectively We Need to Create a Better Future



GIS Is Already Helping Us Understand

Integrative Visual Quantitative Systematic Comprehensive

> **Providing the Practical Means** for Transforming Our World

"Technology does not have a mind of its own. It has to be directed and put to its most effective use "

US Ambassador for the UN Betty King @ the GIS for the UN Conference 2012

GIS Changes How We Think and Act

Integrating Geographic Science into What We Do



Involving Our Organizations and All of Us

GIS Is Being Transformed - (r)Evolution

Into a Web GIS



• Making GIS Easier, Always Available, and More Social

"Geo-spatial systems are helping us understand our world" by turning information into action.

Earth Observation Satellites: high resolution Imagery





GPS Satellite constellation





6.8 Billion people with Mobile devices

Advanced Interoperable & Easy to use GIS technology







When disaster strikes the most important information to know is where the disaster has happened, how many people have been affected and what have been the consequences and impact of the given hazard over the local population, livelihoods and infrastructure.
These information need to be accurately acquired and timely communicated to the decision makers and to the humanitarian community for planning of appropriate humanitarian responses both in .
SLOW Onset Disasters and Rapid Onset disasters

Real time spatial information is critical for all UN interventions fields:



Challenges of Geospatial data management from the field to Decision makers





ArcGIS is a Complete System with a cloud component



ArcGIS is a Complete System with a cloud component

Managing and working with geographic information



Server

Online

GIS has evolved fast over time towards a collaborative approach.

Web GIS Can Represent All Data Types

As Web Maps and Web Services
Enterprise Data



Providing a New Medium for GIS

Web GIS Can Integrate AnythingLinking and Combining Information



Helping to Discover Patterns and Relationships

Web GIS Also Integrates Organizations and People

Breaking Down the Barriers



Creating New Relationships

Sharing Resources . . .

Supporting Collaborative Approaches

ArcGIS – A Web GIS

• For Mapping, Analyzing, and Managing Geographic Information

Simple Integrated Open



ArcGIS – Accessible from Any Client

Simple Integrated Open



ArcGIS – Powered by Services

Simple Integrated Open



R/A

烈烈

ArcGIS – Organizes Content and Manages Access

Simple Integrated Open



ArcGIS Is a PlatformEnabling Web GIS Everywhere

Simple Integrated Open



Available in the Cloud ...
... and On-Premises

ArcGIS Supports Multiple Implementation Patterns

Leveraging Common Computing Architecture



ArcGIS Supports the Enterprise



Transforming the Role of GIS

ArcGIS Provides Content – A Living Atlas



ArcGIS Basemaps



ArcGIS Demographics Content



7,000 Variables

ArcGIS Landscape Content

Physical Geography

Watersheds Elevation Slope Aspect NHD+ Soils Landforms Faults Wetlands Evapotranspiration

Bio-Geography

Critical Habitat Ecological Systems Land Cover

Cultural Geography

Roads Rail Flood Risk Historic Sites Transmission Lines Pipelines Oil Shale Basins Coal Bed Methane Basins Earthquake Risks

Land Management

Federal Land Native Land **500+** Variables

> Wetlands: Freshwater Energent Wetland

> > Fredhuister Emerge

Content is Published by Esri and Users

Built by and for ArcGIS User Community



Supporting Humanitarian Missions

Disaster Response



Direct Relief

Shelter Monitoring



UNITAR/UNOSAT

Water Risk Atlas



World Bank/Blue Raster

Threats to Journalists



Broadcasting Board of Governors

Food Security



World Vision

Aid Project Information



World Bank/Blue Raster

Safety



USAID

Understanding Human Health



Web-Based Analytics Are Now Part of ArcGIS

Leverage Cloud Infrastructure



Enabling New Approaches

ArcGIS GeoEnables Business Systems

Providing Mapping, Spatial Analysis, and Reporting



Esri Maps for . . . Office **IBM Cognos SharePoint** MicroStrategy SAP Salesforce **Dynamics**

Supporting Location Analytics Everywhere

Solution Templates

Provide Apps, Maps, Data Models, and Tools



Improving Productivity and Leveraging Best Practices

ArcGIS Is a PlatformEnabling Web GIS Everywhere

Simple Integrated Open



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... and On-Premises

www.arcgis.com