Latest trends and Innovations in GIS Technology

Eng. Mazen Jouaneh

THE OPENING CEREMONY OF THE ARAB REGIONAL OFFICE OF ASTRONOMY FOR DEVELOPMENT AND ARAB LANGUAGE EXPERTISE CENTRE

InfoGraph
الشركة الإستشارية لأنظمة المعلومات البيانية
Information & Graphics Systems Consultants L.L.C.

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InfoGraph (Founded in 1991 in Amman, Jordan)

- InfoGraph specialty is Geographic Information Systems (GIS) & Remote Sensing software products, services, and applications.
- The Exclusive Distributor of ESRI, Inc. in Jordan.
- InfoGraph has the only ESRI Authorized Learning Center in Jordan.
- InfoGraph offers GIS consulting, GIS Web design and implementation, and provides digital data.
- InfoGraph provides also GIS integration services with enterprise systems such as CRM, workflow, and archiving systems.
- During the past twenty five years, InfoGraph has supplied ESRI GIS products and provided services related to the development of successful GIS projects at a number of major institutions in Jordan and in the region.

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GIS technology

GIS is **"System of Record"** for organizing and managing the geographic context of your assets and resources

GIS is Leveraging Advancing Technology

More Measurement, Computing and Networks

Integrating the Growing Numbers of Sensors and Devices . . . .

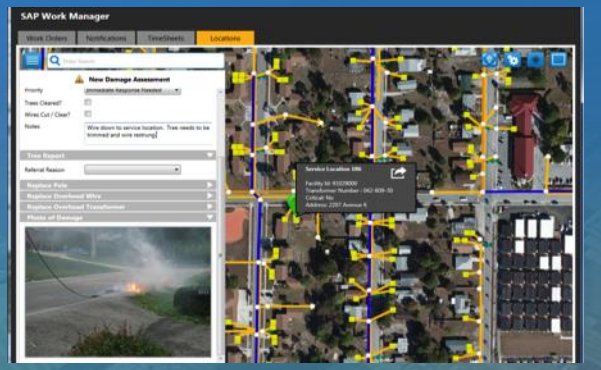
. . . . Creating a Nervous System For Science

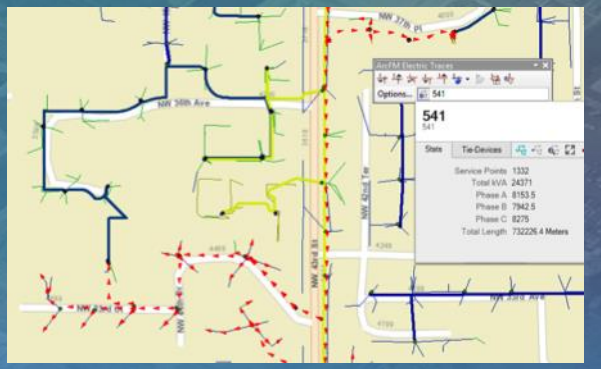
GIS has evolved on the web

A new pattern has emerged…

Making GIS Easier, Always Available, and Pervasive

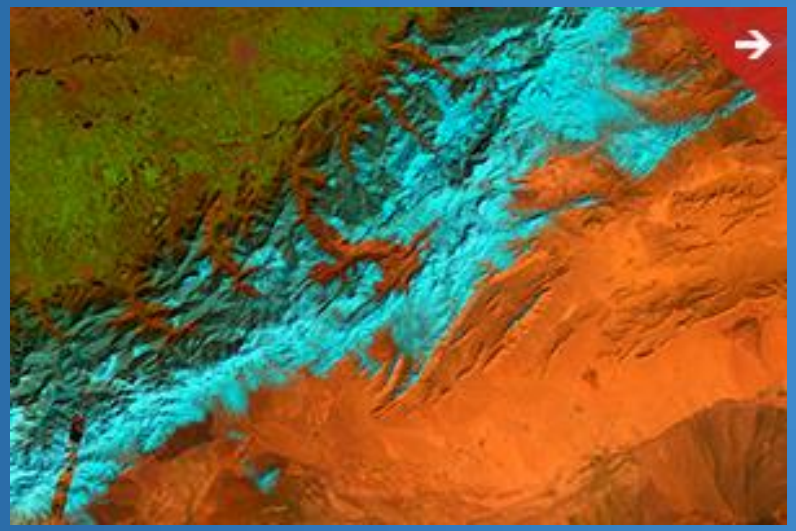
Highlights of ESRI offerings





Satellite Imagery to Unlock Earth's Secrets

- ESRI provides access to the World's Largest Online Imagery Collection



High Resolution
Global Basemaps

Multi-Spectral, Temporal,
and Dynamic Image Services

Premium Imagery Content

ArcGIS provides a comprehensive platform to manage, process, analyze, and share imagery to extract valuable information.

… Explore the Invisible World

ESRI & Landsat Imagery

http://www.esri.com/software/landsat-imagery/viewer

www.esri.com/software/landsat-imagery/viewer

Landsat Imagery

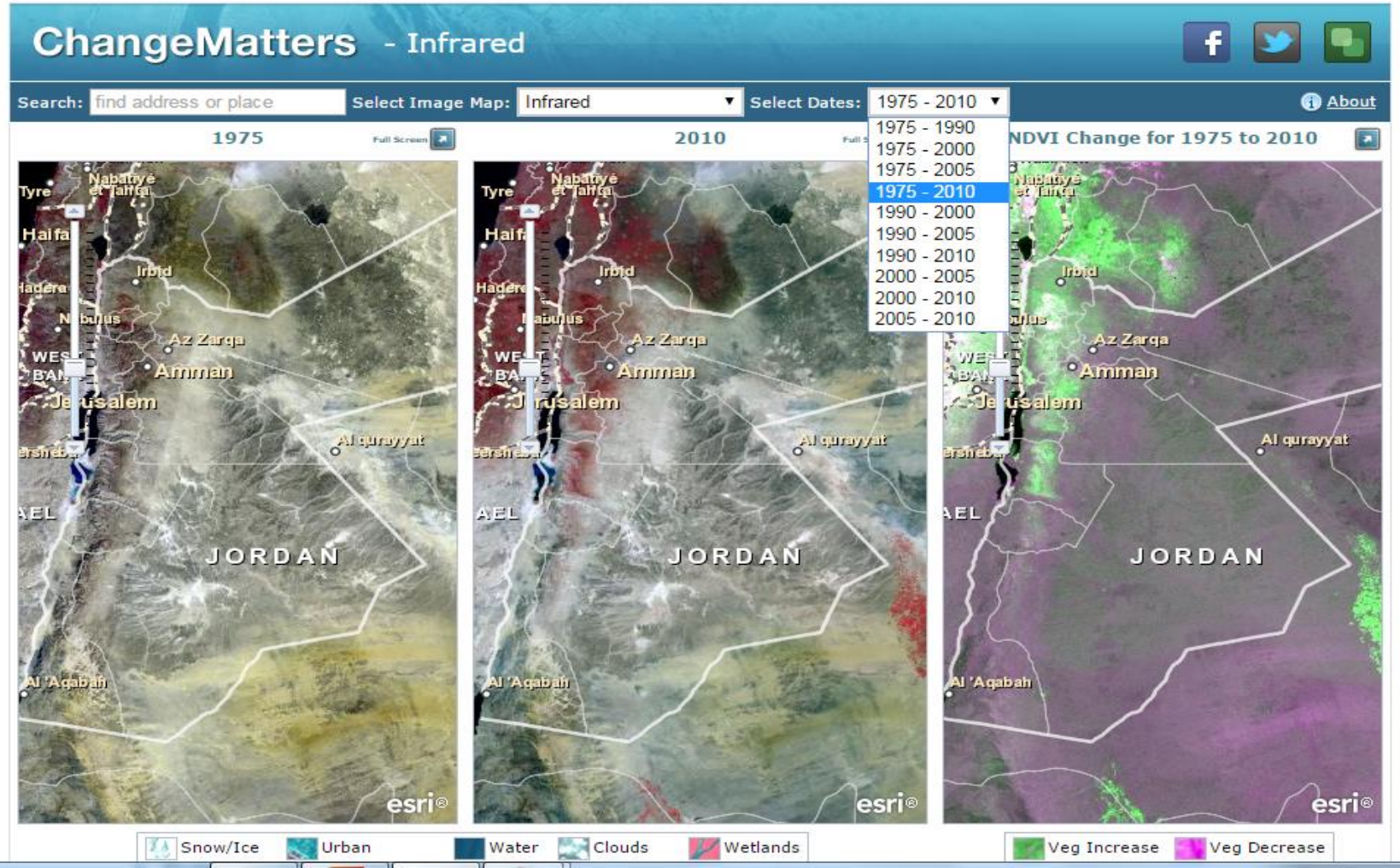
Main | Enhancements | Viewer | Image Services | Tours | More Info

ChangeMatters Viewer

Pan and zoom around the maps to understand earth changes that have happened over time. Advanced change detection tools are also available by clicking any full screen button.

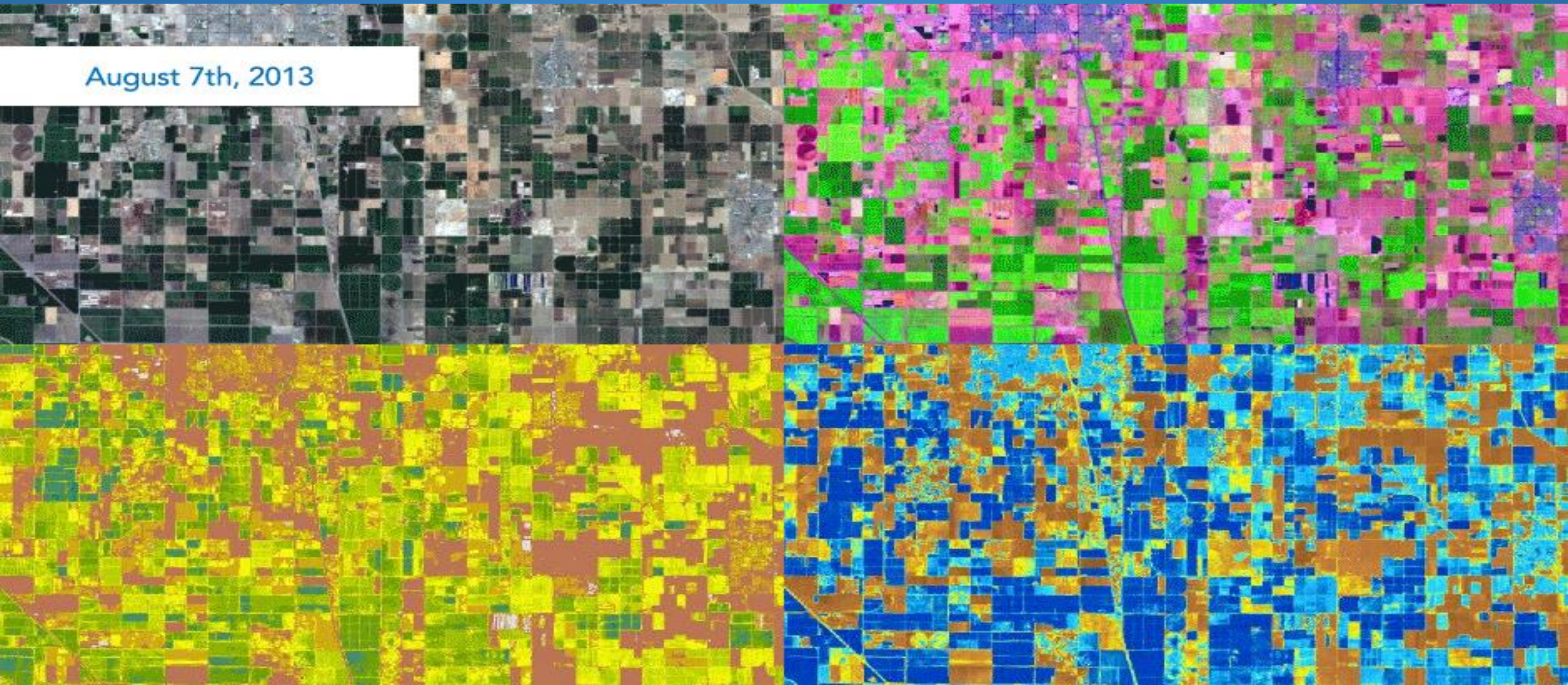
Instructions

View larger



Travel through Time

Landsat takes images of every location on earth once every 16 days, so we can see how places change over time.



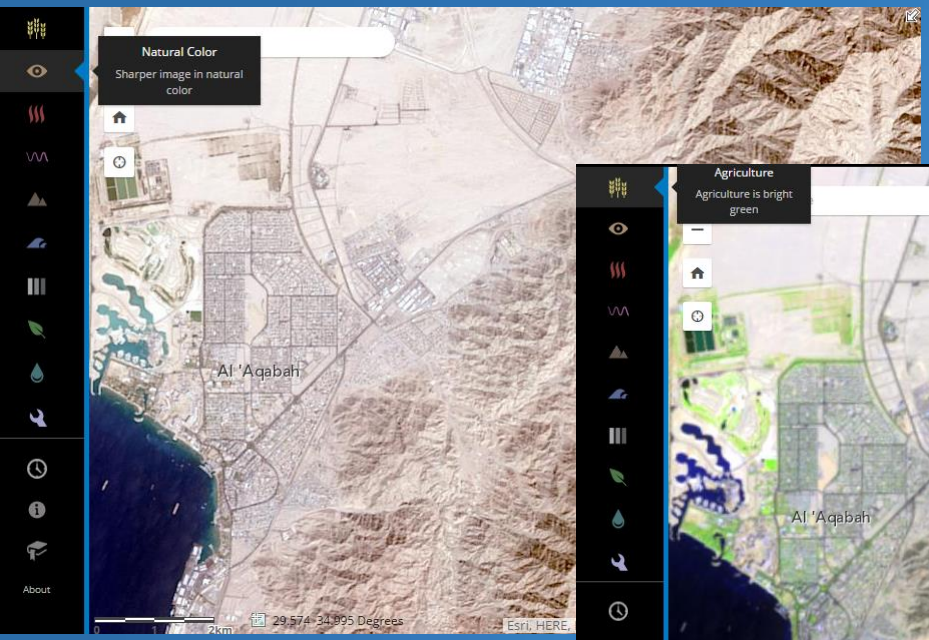
Imagery Data is Really Big. ESRI can Handle it!

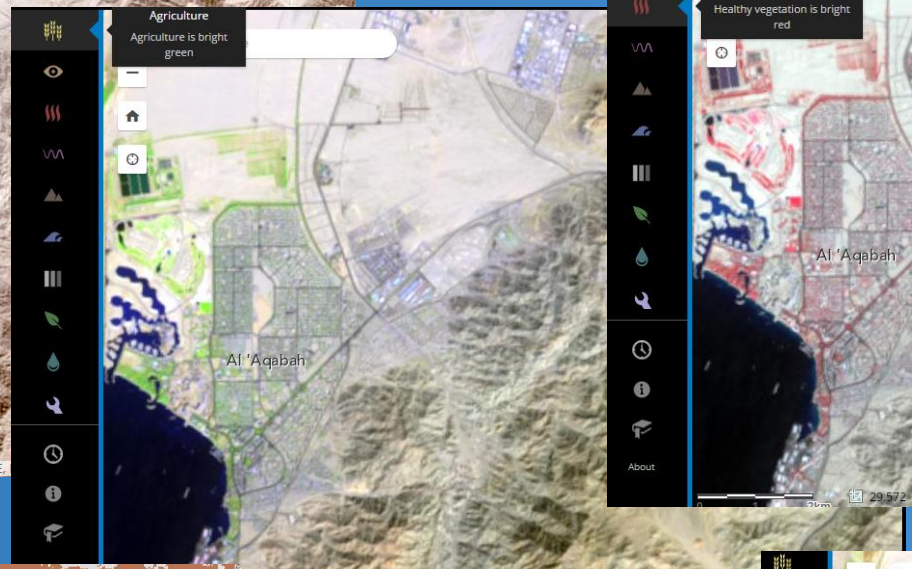
- Efficient. Scalable. Optimized. Leverage the most advanced technology for managing and serving, overlapping, time-variant, multi-resolution imagery from multiple sources, formats, and projections. Make the imagery you have on-premises or in the cloud accessible and valuable to a wide range of users.

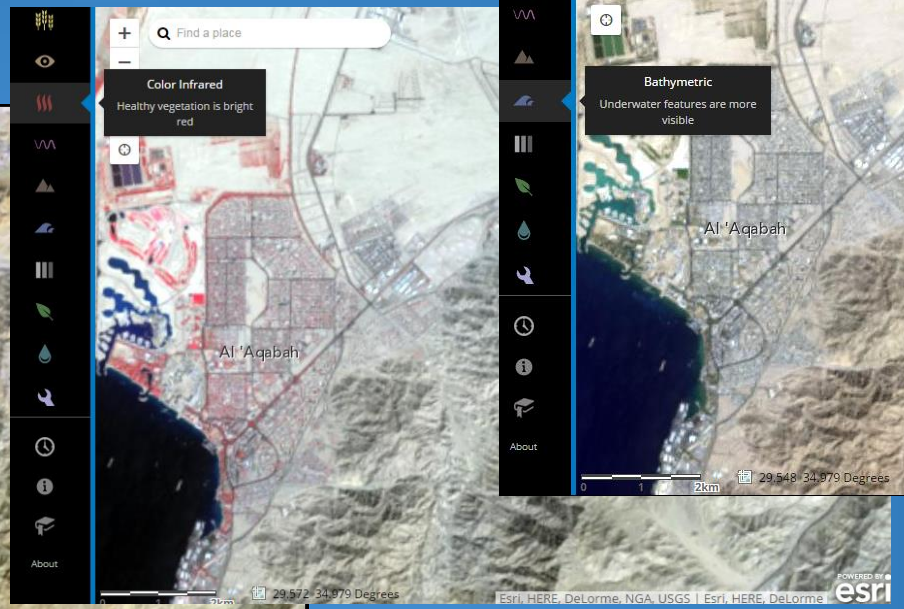
Suitability Analysis

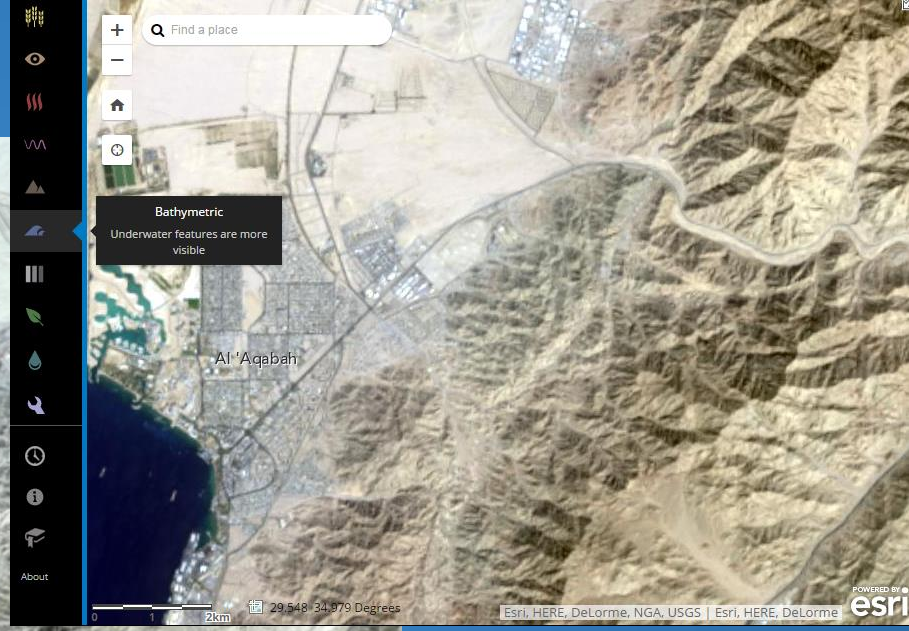
Feature Extraction

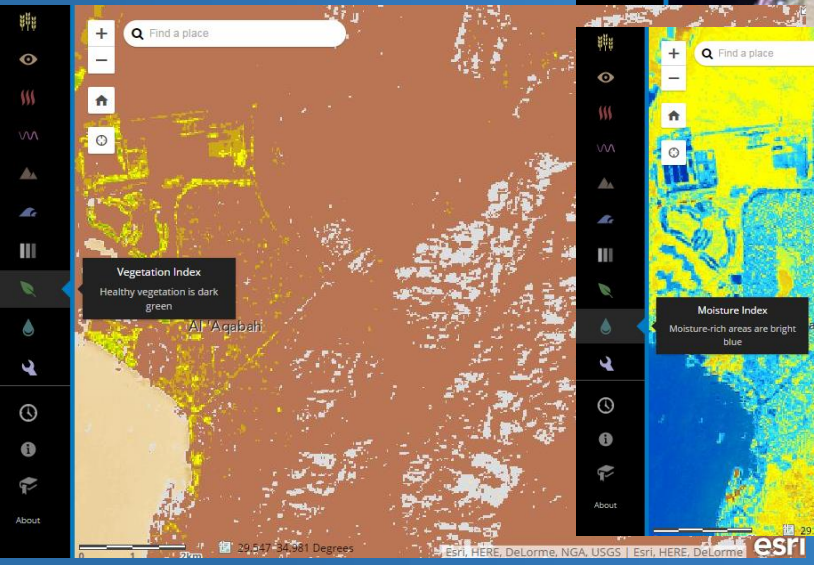
ArcGIS lets you use Landsat in your own apps, with new scenes added daily.

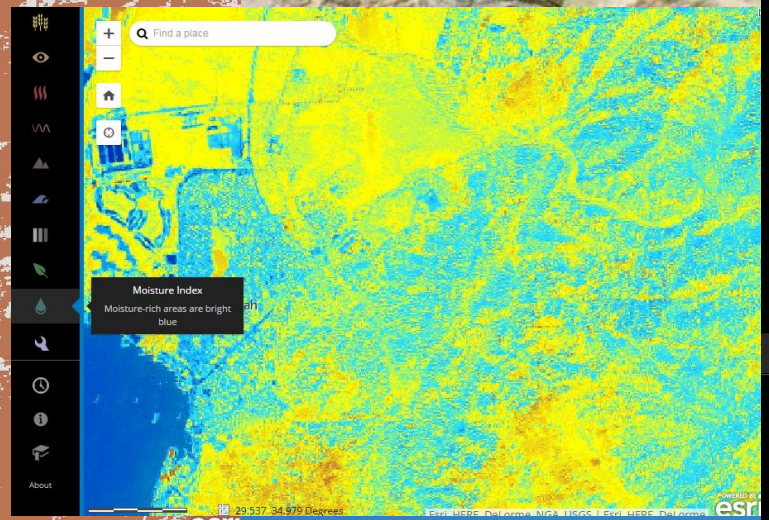


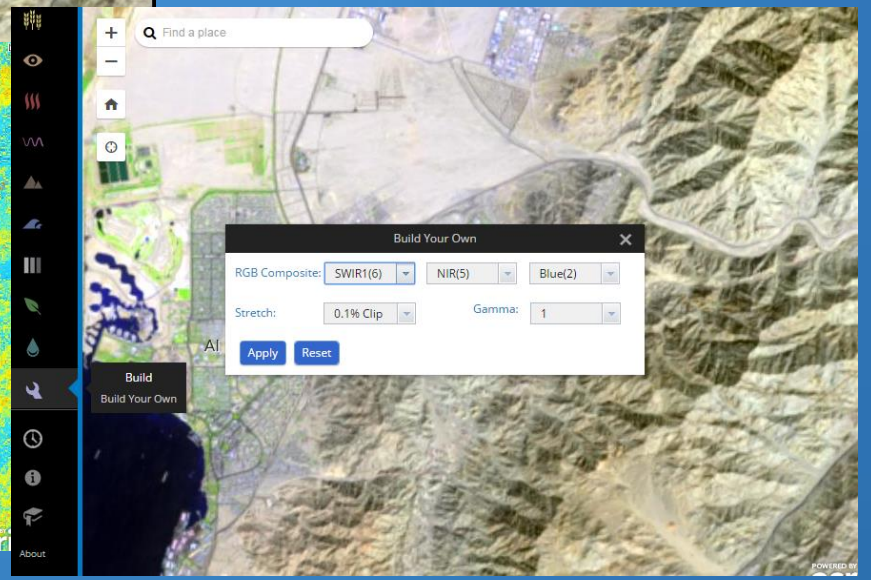


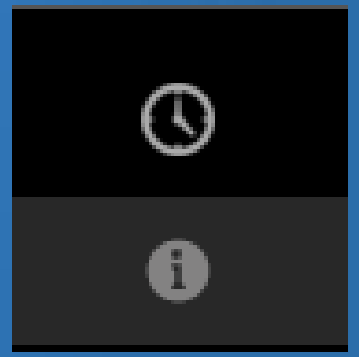






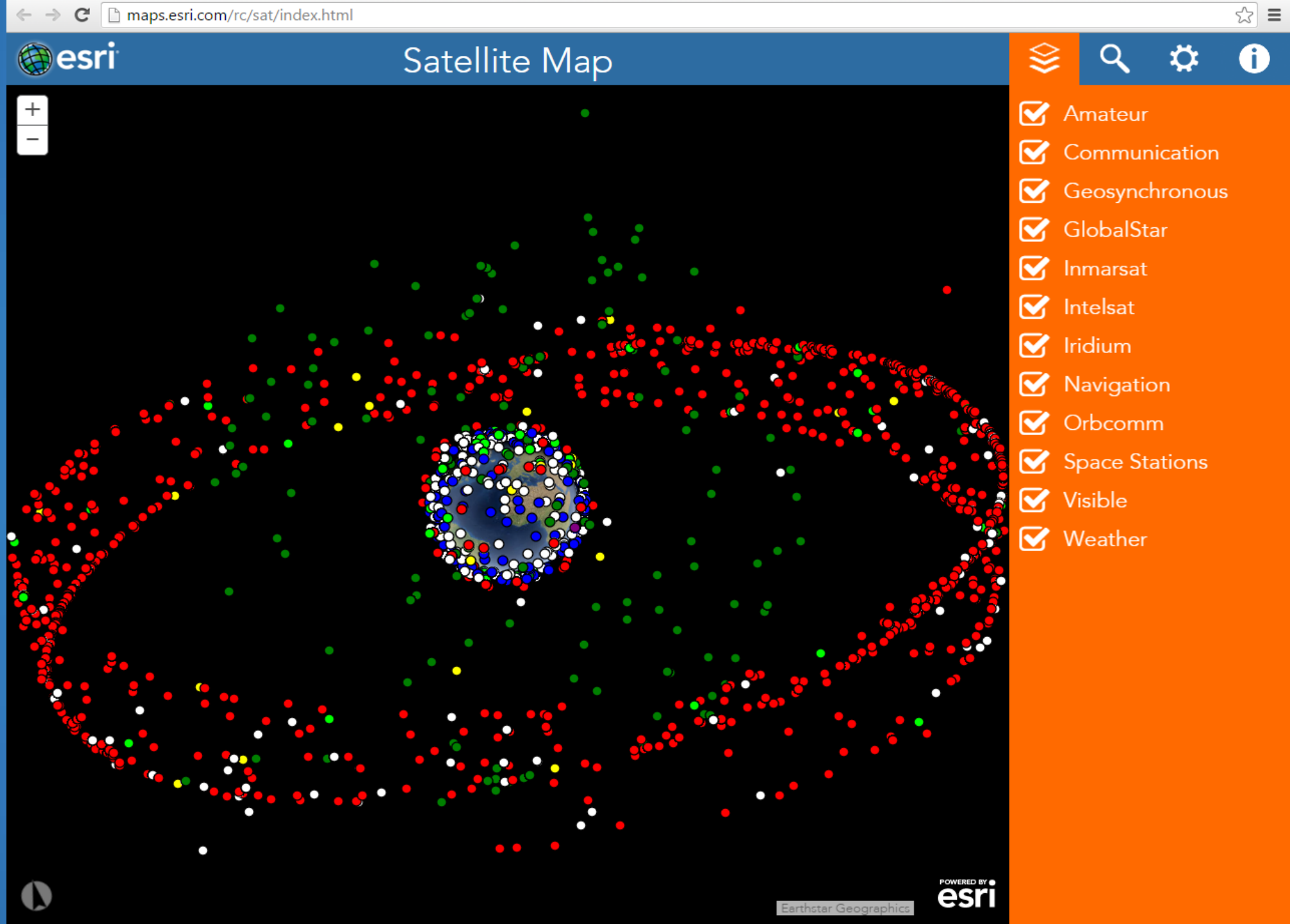






Zoom to any location on earth, and try the tools in this simple web app. http://www.esri.com/landing-pages/software/landsat/unlock-earths-secrets

Satellite map!



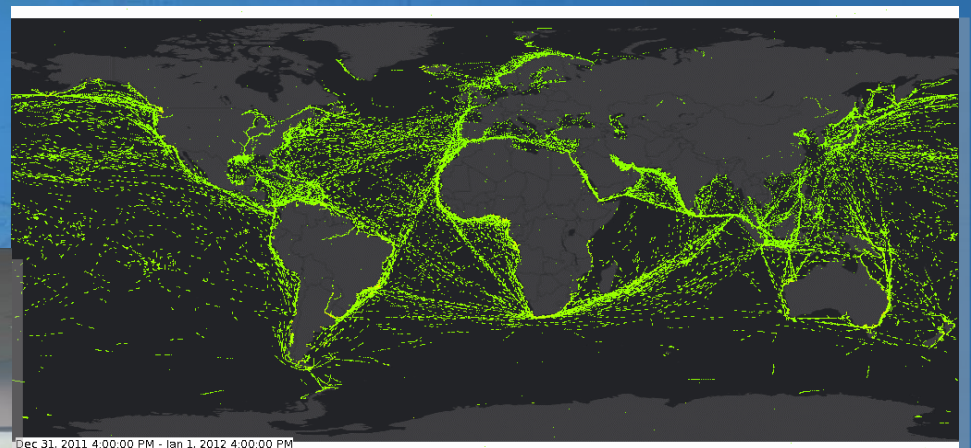
http://maps.esri.com/rc/sat/index.html

ArcGIS
Is Real-Time

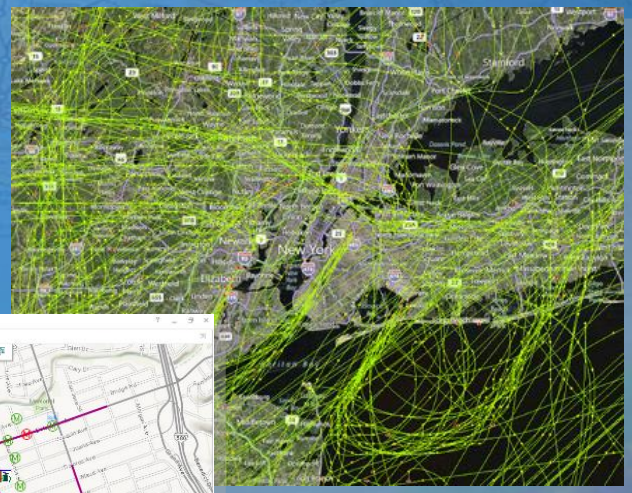
Continuous
Monitoring, Alerting and
Decision Making

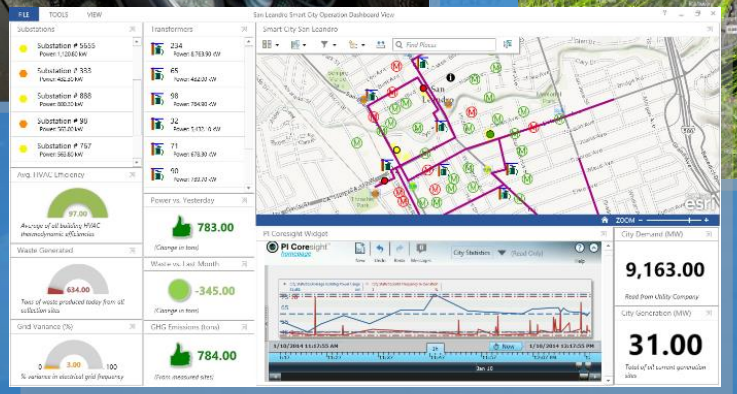
- Streaming Data
- Many Sensors
- Spatial Analysis

PG&E



exactEarth®





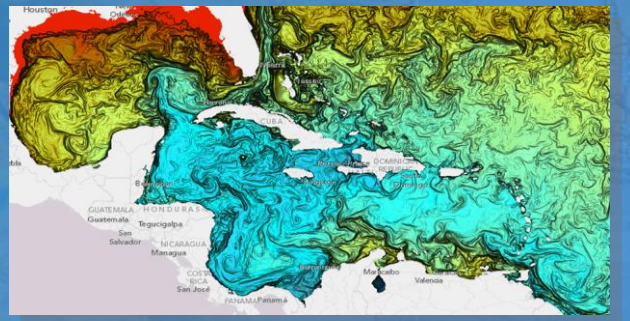
OSIsoft Integration

Enabling Immediate Action and Responsive Government

ArcGIS Supports Imagery

Managing, analyzing, and
Serving intelligent imagery

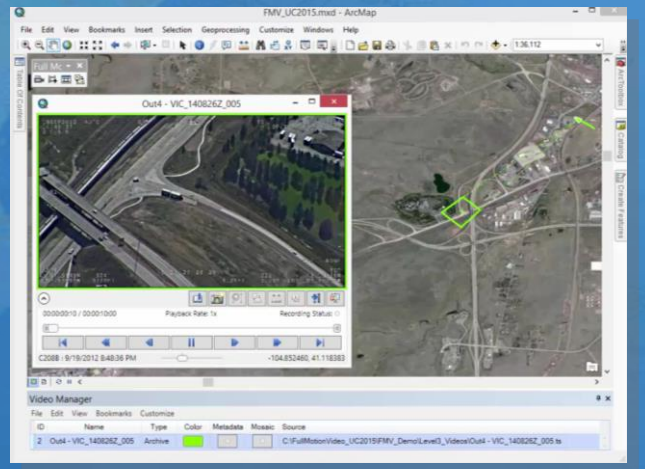
- Scientific formats (HDF, GRIB, NetCDF)
- Sentinel -2
- Visualization and analytics
- Advancing tools
- More Online content
- Becoming real-time



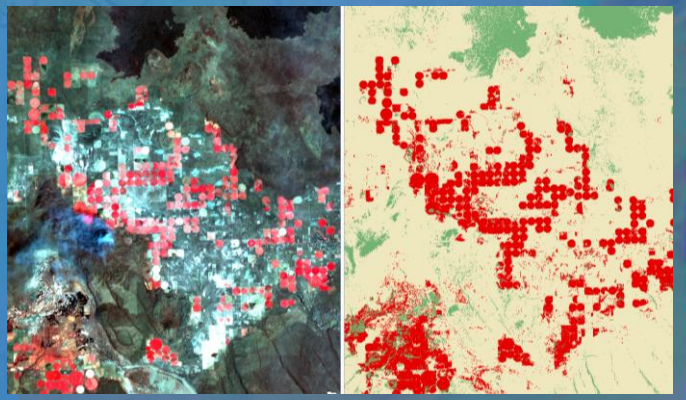
Scientific Data

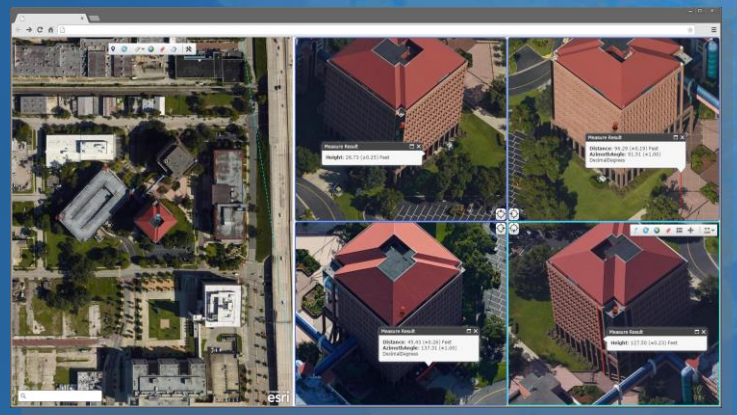
UAV/Drone Support

Full-motion Video



Classification and Accuracy



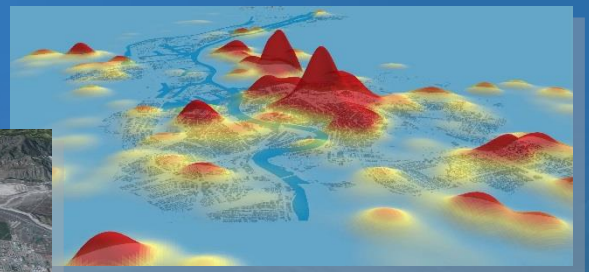


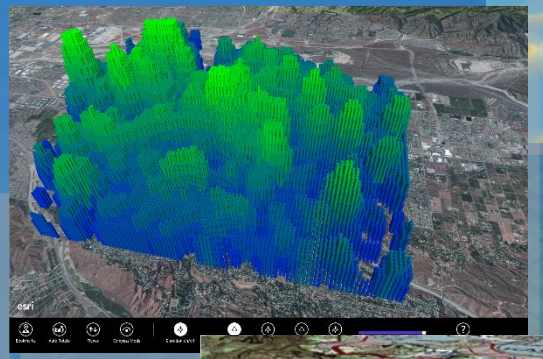
Oblique Imagery & Measurements

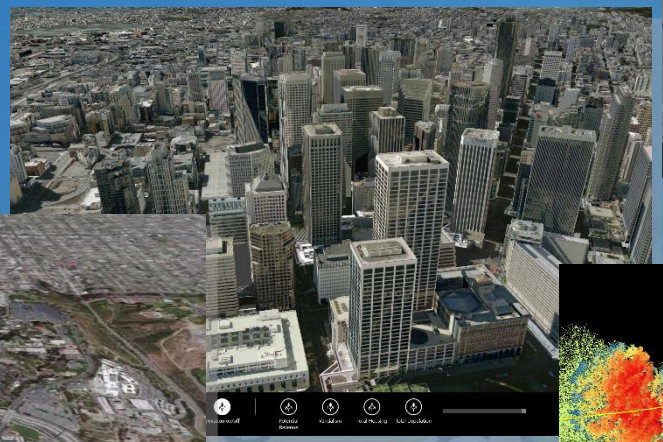
Supporting single scenes and massive collections

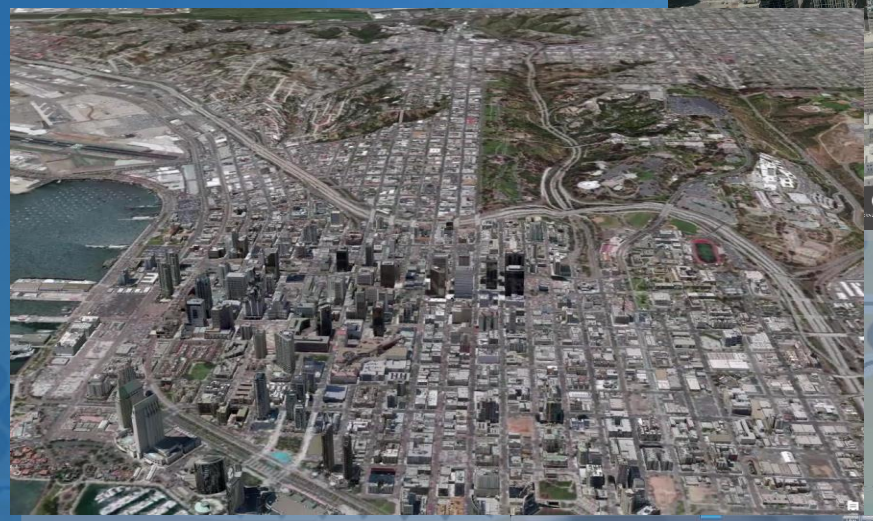
ArcGIS
is 3D

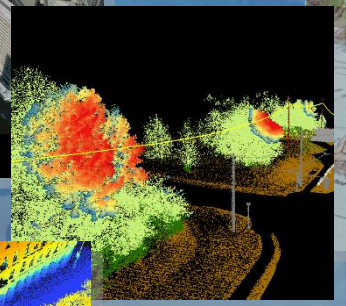
Advanced Visualization and Analysis

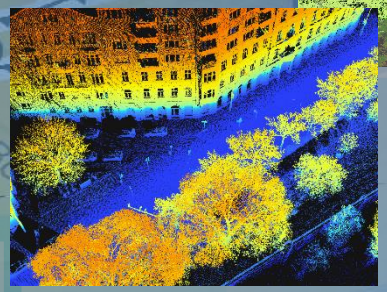


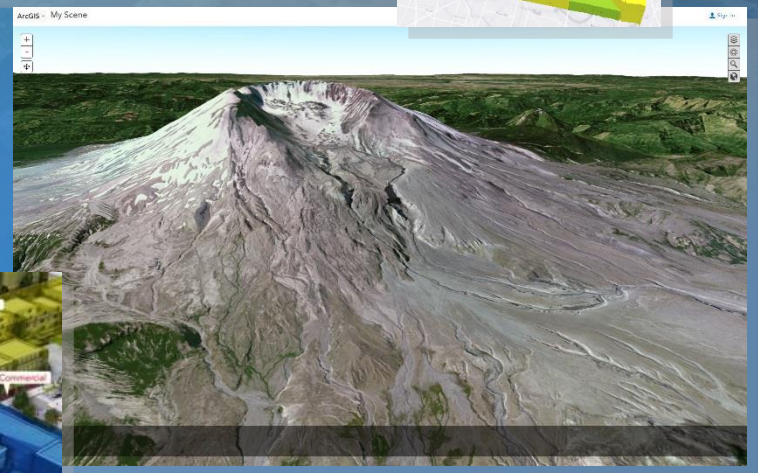


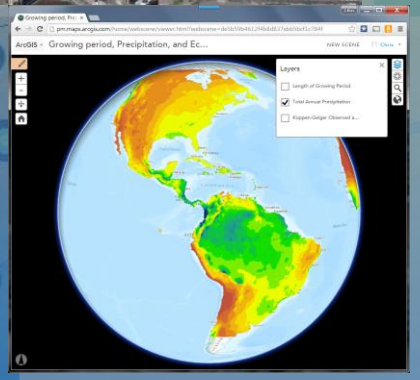








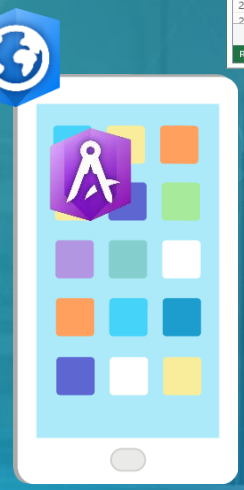




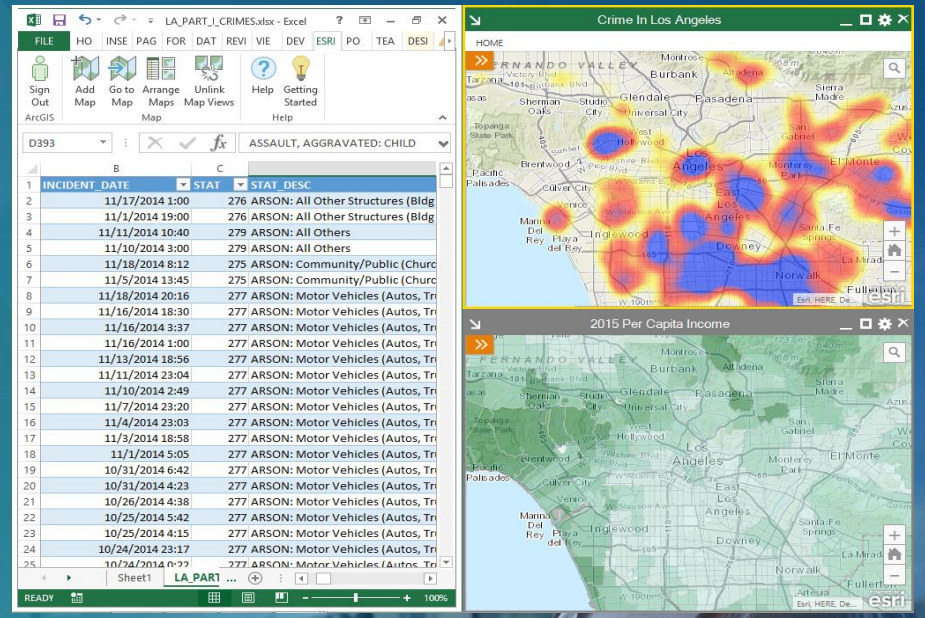
ArcGIS and The App Revolution

App Templates
AppStudio
Web AppBuilder

Anywhere
Anytime
Any Device



ESRI maps for office



GET IT ON Google play

Available on the App Store

Apps Support Many Smart Functions

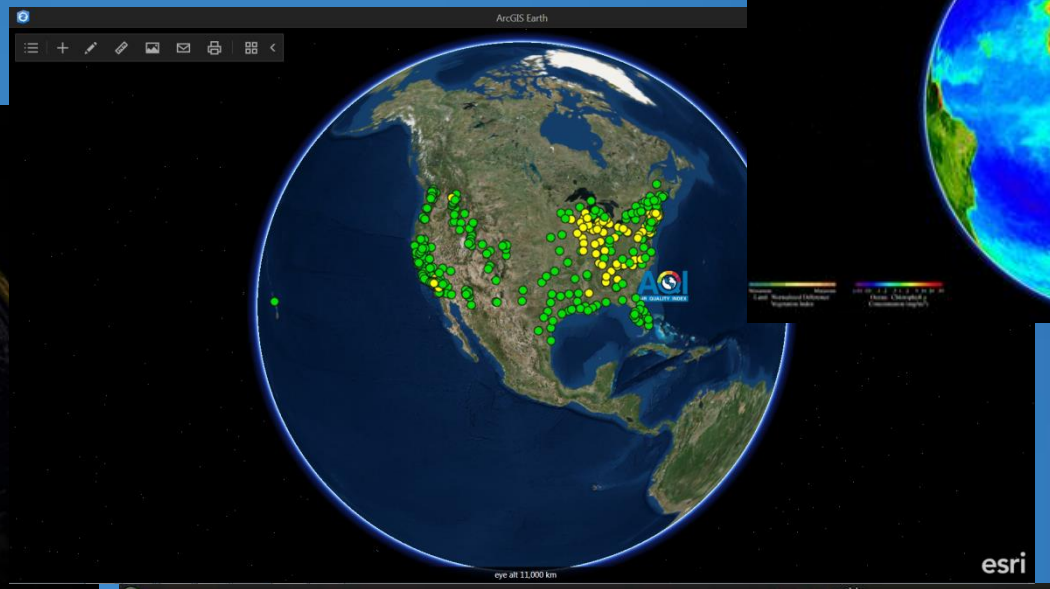
Collector for ArcGIS

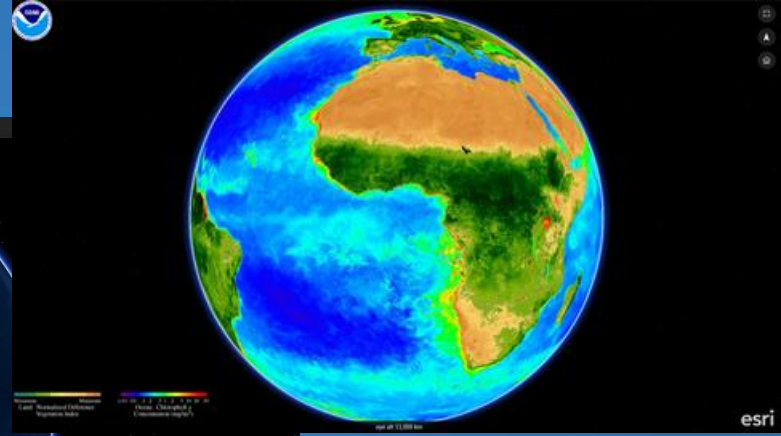
Navigator for ArcGIS

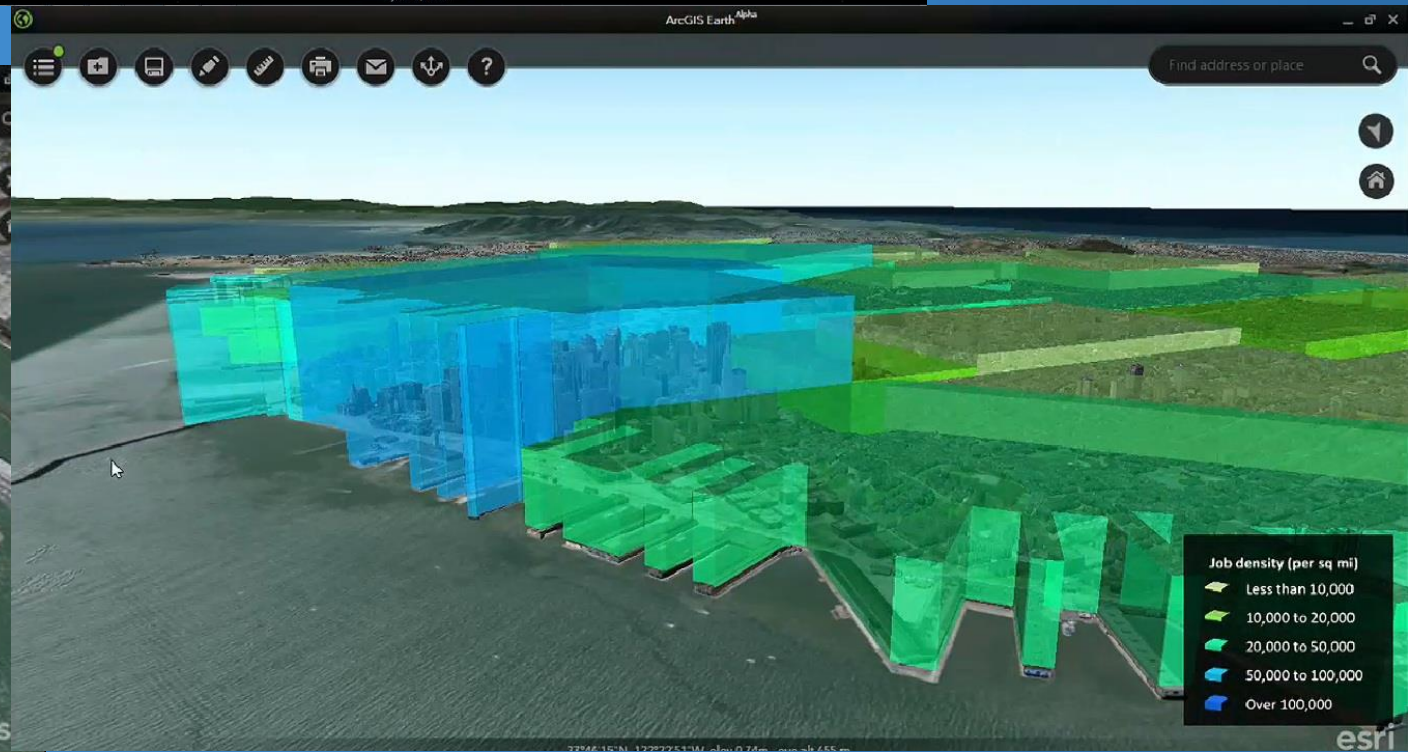
Operations Dashboard for ArcGIS

Workforce for ArcGIS

ArcGIS Earth







GIS Technology Will Enable Everything We Do To Be Smarter

Changing the Way We Think and Act

Bringing Together Data, Technology, and People . . .
. . . Creating a Framework for Smarter Government

InfoGraph

الشركة الإستشارية لأنظمة المعلومات البيانية

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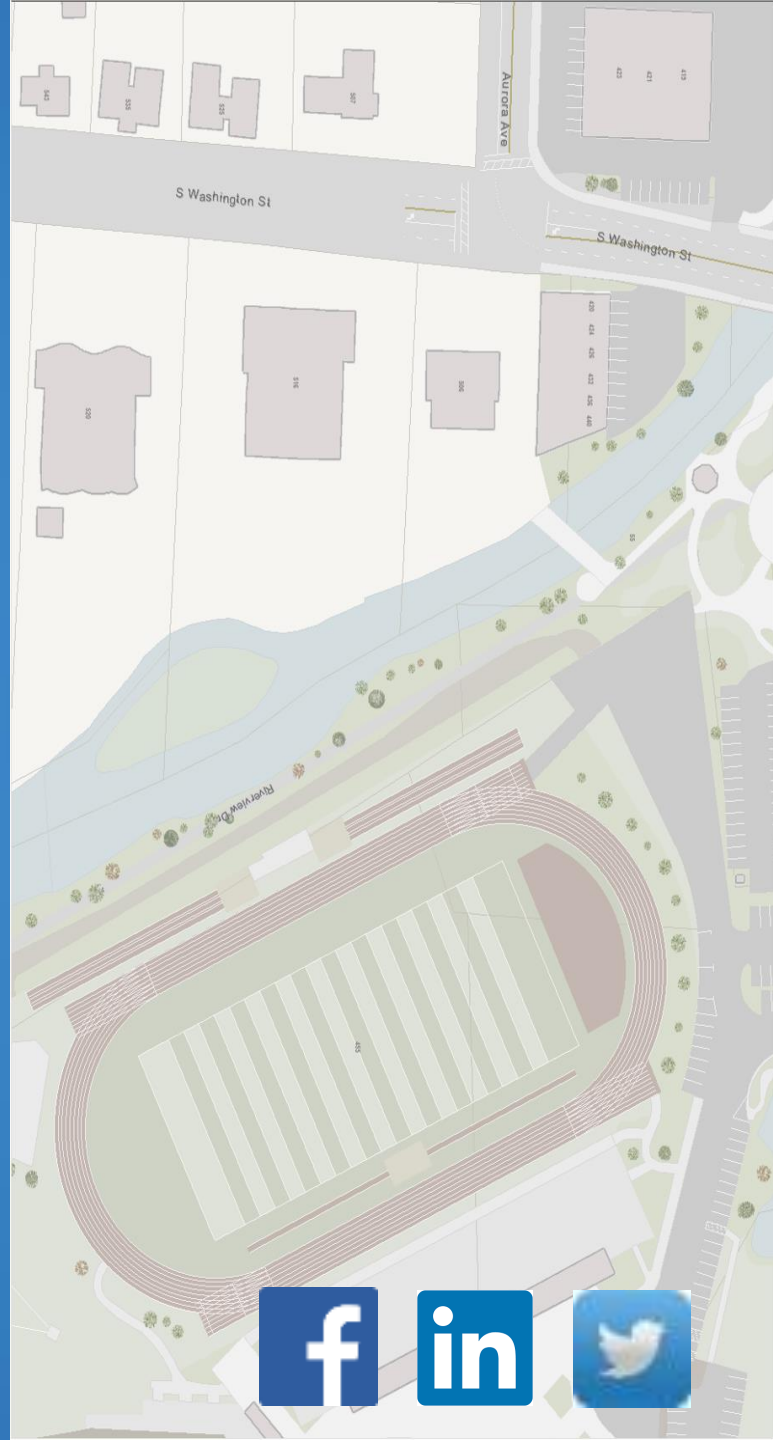
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