

Sharing value The GIS Platform for Disaster Management

**Emanuele Gennai
Esri Global Affairs**

**UN SPIDER Early Warning workshop
Bonn, June 2013**



You

A Global Network of Professionals

Your Work Is Making a Difference

Supporting Mapping, Data Management, Analysis and Visualization Workflows



.. Esri is continuously supporting you

Your Work is Contributing to build a Better World . . .

WFP ICRC UNDP
World Vision UNEP ICAO
WHO GICHD Acted
AKDN IAEA WMO
USAID UNICEF IFRC
UNHCR UN OCHA
IFAD UNIDC CTBTO
UNODC ITU IOM IUCN
The World Bank UNECE UNOSAT
UPU UNESCO OHCHR
WWF UNMAS OICT



Peace and Security

Internally Displaced Persons



UNAMID

Deployment Map - UNMISS



UN Cartographic Section

Peace Operations



UNMIT

Security Council



UN Cartographic Section

Conflict Monitoring

Trans National



Darfur



US Department of State

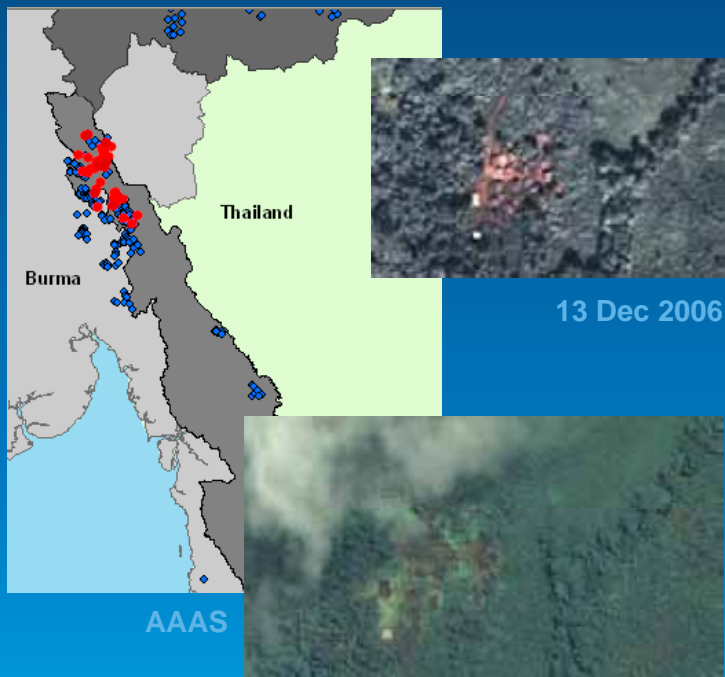
Briefing with Maps



UNMIL

Human Rights

The AAAS Science and Human Rights Program



13 Dec 2006

Papun District Village: June 24, 2007 Reported Attacks April 22, 2007 Copyright 2008 DigitalGlobe

Eyes on Syria



Amnesty International

Collaborative Decision Making



Human Rights Watch

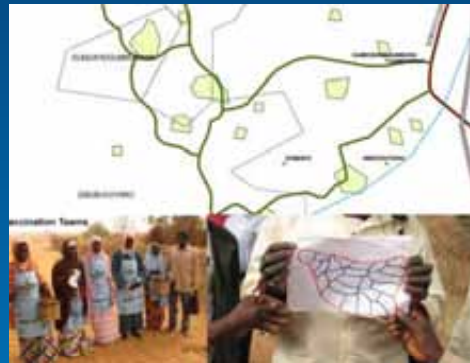
Public Health

Global Health Situational Awareness – Avian Flu



Esri

Polio Eradication



Bill and Melinda Gates Foundation
World Health Organization

Food Insecurity - Yemen



IFPRI

HIV Infected Population



USAID/ICF Macro/Blue Raster, LLC

Estimated Mean Distance to Health Centers by Village Unit Soroti, Uganda



UNOSAT

Humanitarian Affairs

Populations in Crisis



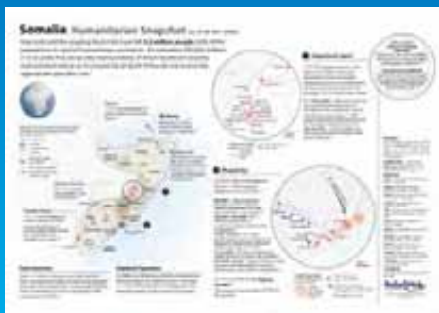
US Department of State

Flooding - Thailand



UNOSAT

Humanitarian Snapshot – Somalia



UN OCHA

Earthquake Response - Haiti



WFP

Damage Assessment - Brazzaville, Congo



UNOSAT

Environmental Management

UNEPLive



UNEP

Global Biomass



Woods Hole Research Center

Forest Atlas - DRC



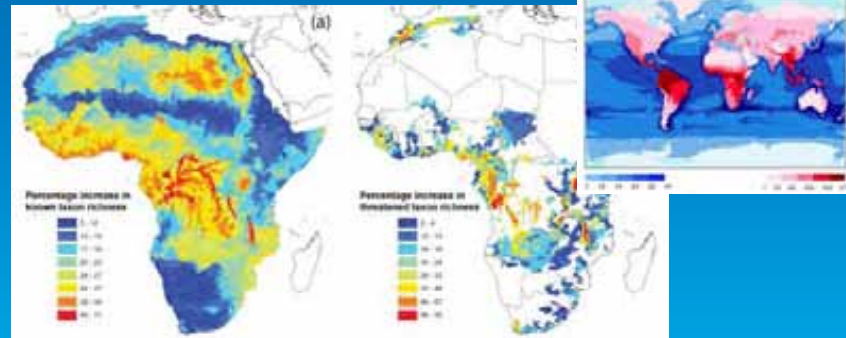
World Resources Institute

Hydrology and Biofuels



Conservation International

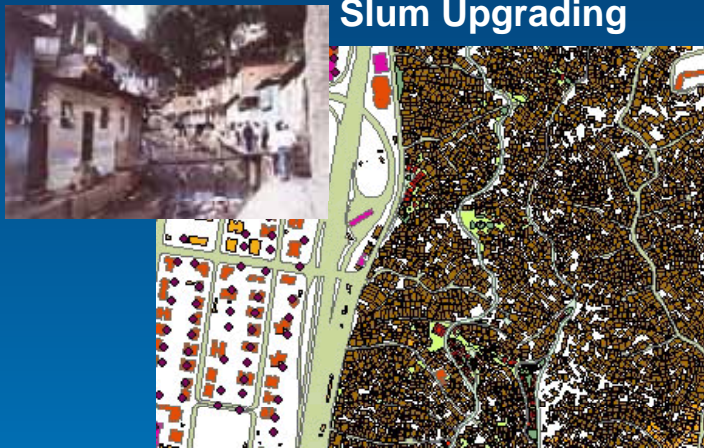
Threatened Species - Africa



IUCN

Development

Slum Upgrading



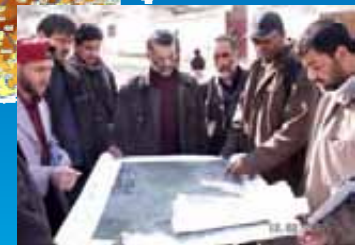
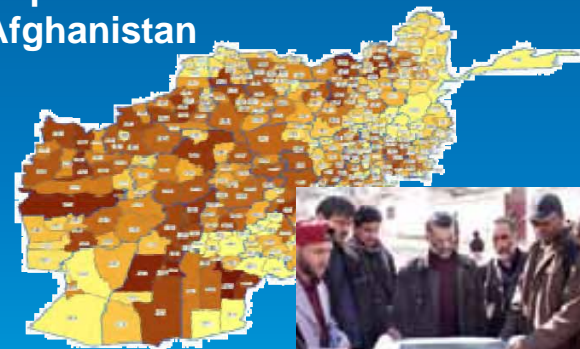
World Bank Project –Caracas, Venezuela by Rosario Giusti de Perez

Global Population Density - 2015



FAO, CIESIN, CIAT

Population Census – Afghanistan



UNFPA

Landmine Clearance



GICHD

Esri programs

- Non-Profit Program (for NGOs)
- United nations program
- ArcGIS for home use (for volunteers)
- Conservation program
- ArcGIS for research institutes
- 100 Universities Program for developing countries
- Esri mentor program «adopt an university»
- Disaster Response Program
- <http://www.esri.com/grants>
- <http://www.esri.com/services/disaster-response>
- <http://www.esri.com/industries/aid-development>

*... Making ArcGIS accessible to everyone
... supporting those who support others*

Geography Provides Our Common Platform . . .

. . . For Understanding the World

ArcGIS Makes It Come Alive



. . . Helping Us Integrate and Apply Our Knowledge

GIS Provides a Solution Framework

Supporting Integration and Collaboration



Integrating and
Synthesizing Information
from Many Sources



Integrating Disciplines and
Cultures



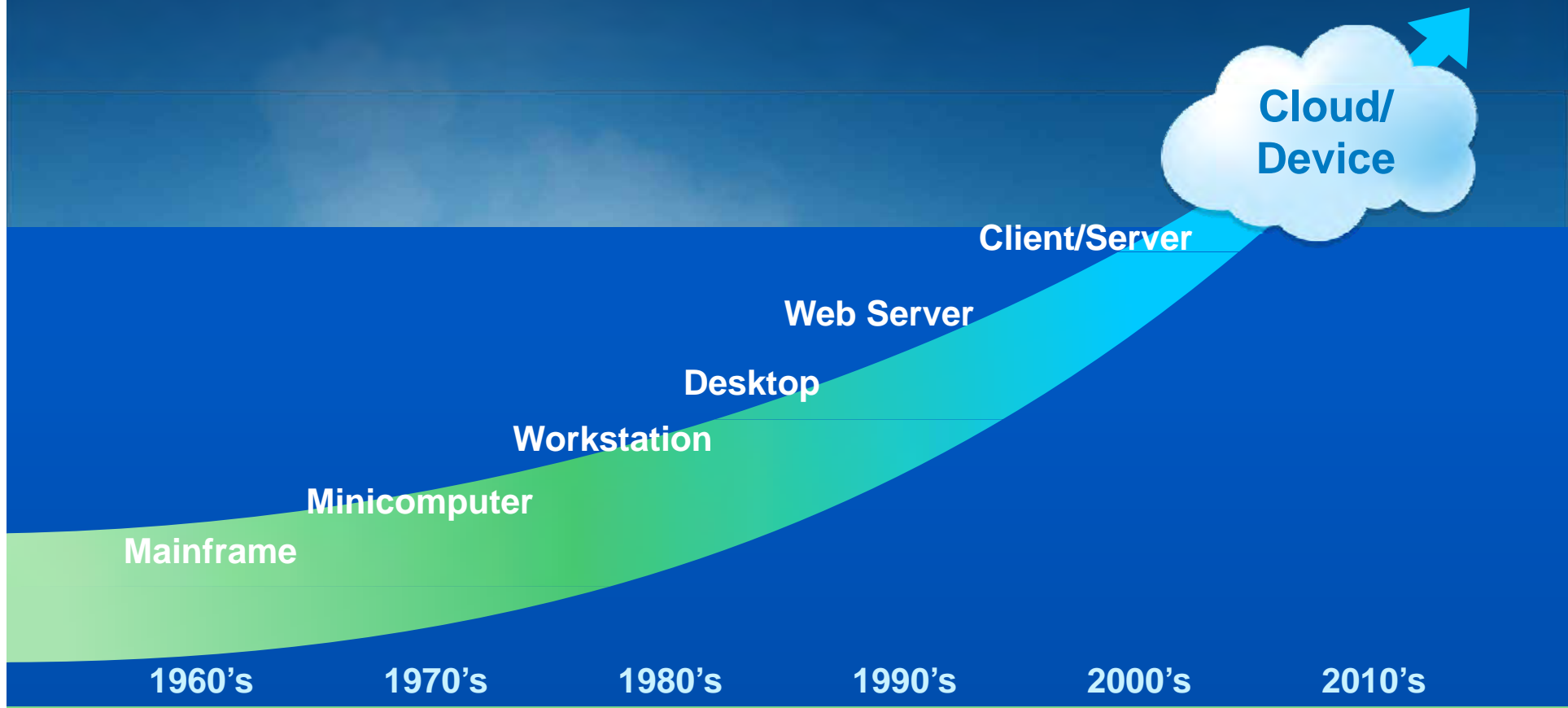
Facilitating
Communication
and Collaboration

... *Becoming a Common Language*

GIS is at a Major Turning Point

GIS Is Transforming Into a Platform

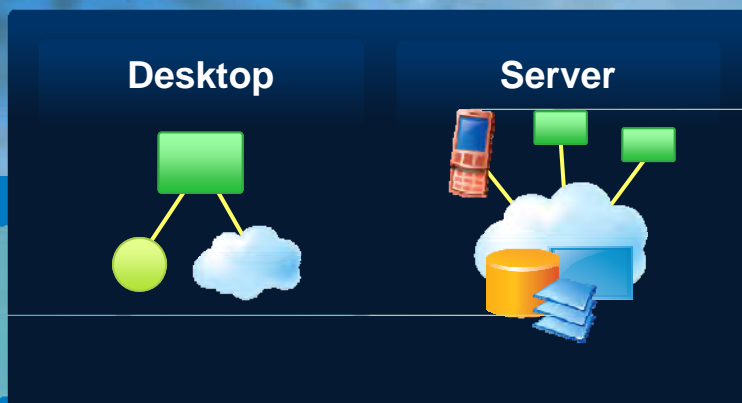
Integrating Software and Services



This New Platform

Connects and Leverages Existing GIS Investments

Enterprise



Pervasive



Cloud

Providing Mapping and GIS

To the Entire Organization



Enabling Access by Everyone

This Platform Leverages Many Trends

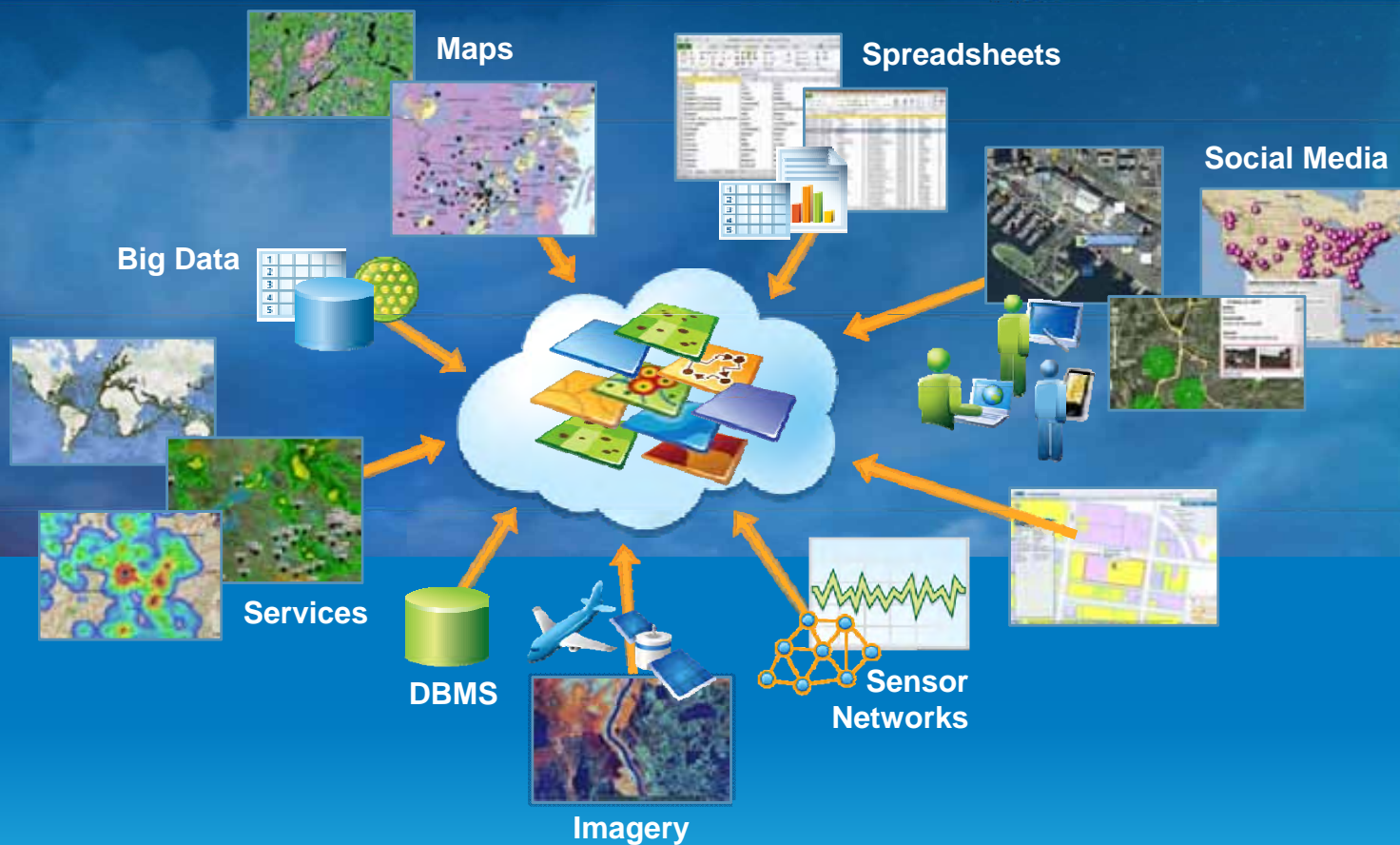


Enabling Pervasive Access

Integrating Traditional GIS with a Whole New World of Apps



The Platform Integrates All Types of Geospatial Information



Using Web Maps to Normalize the Information . . .

Web Maps Are Fundamental

Providing a New Medium for Organizing and Publishing

Any Device



Supporting Visualization, Query, Editing, and Analysis

Making Geographic Information Available Anywhere

This Platform Transforms Organizations

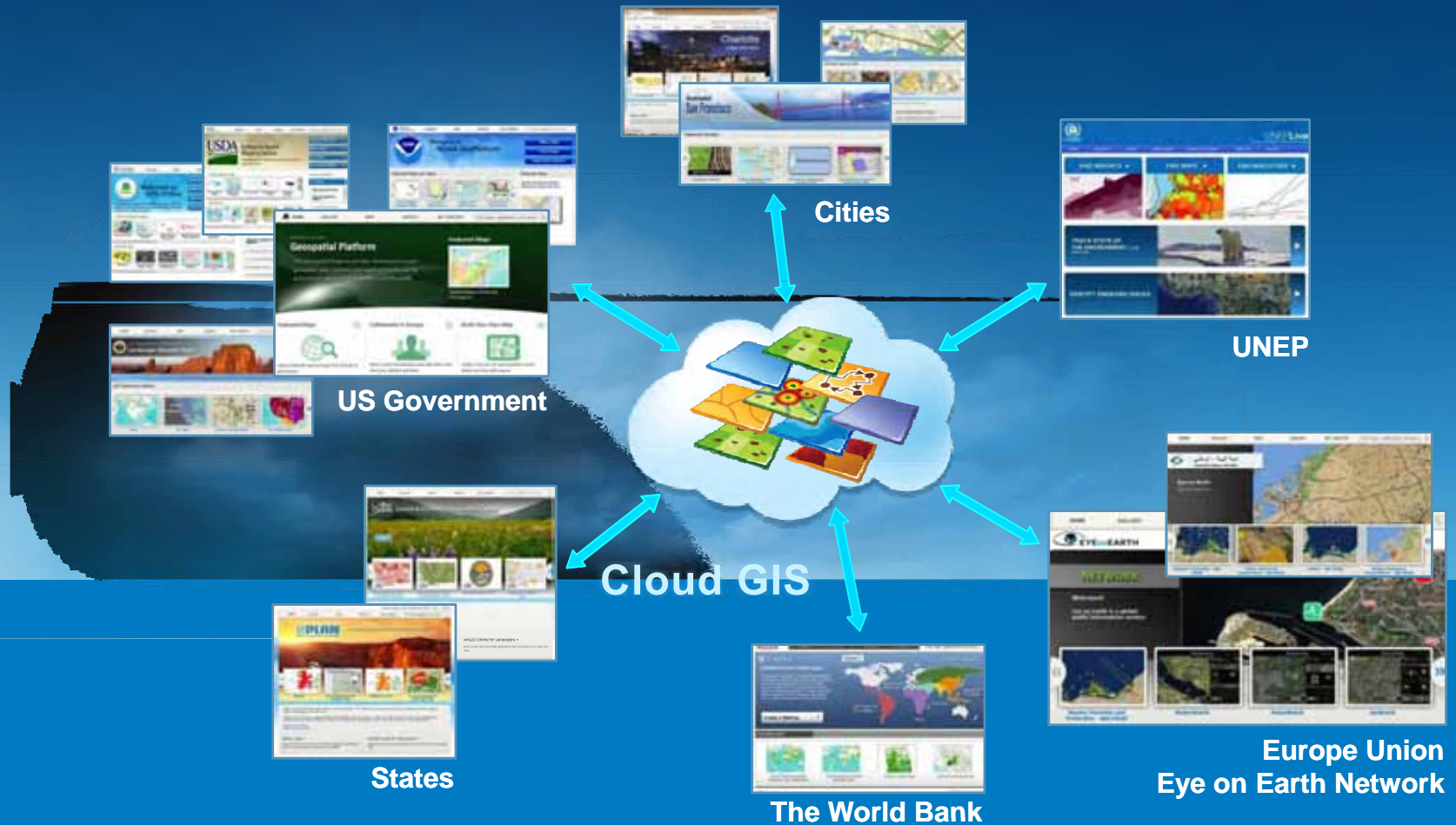
Breaking Down Barriers Between Workflows, Disciplines, and Cultures



Enabling Collaboration, Sharing, and Holistic Approaches

Organizations Are Rapidly Adopting This Pattern

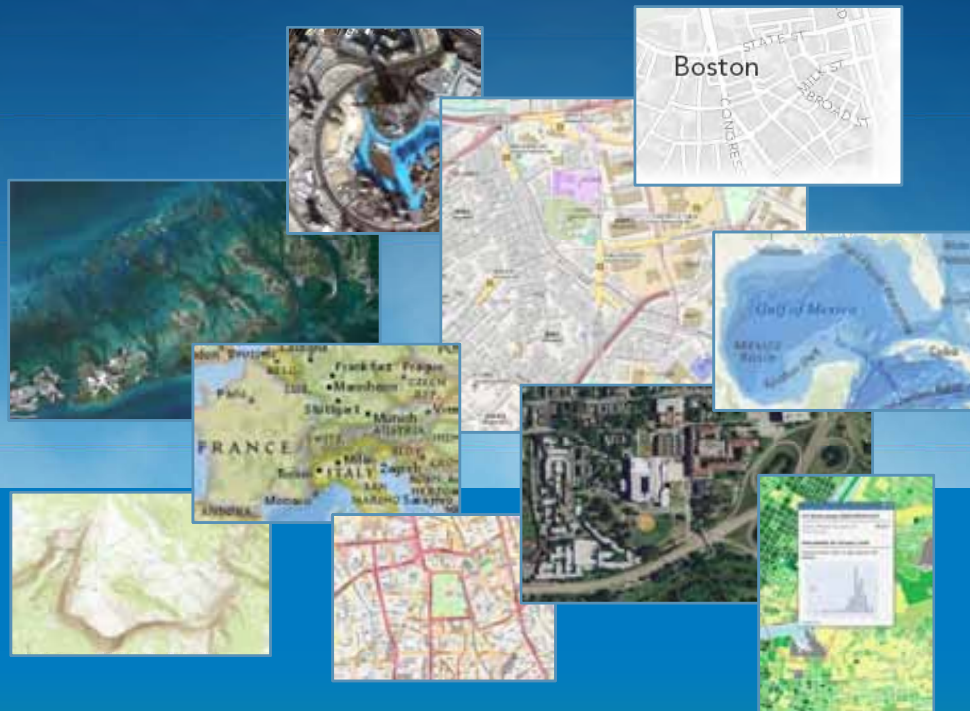
Organizing and Sharing Their Information



... Building Shared Infrastructure

Content Is An Important Part Of The Platform

Integrating the Best Available Data



- Segmentation
- Elevation
- Routing
- Terrain
- Geocoding
- Oceans
- Streets
- Places
- Dynamic Imagery
- Demographics
- Landscape
- Topographic
- Imagery

Many Community Contributions

... Providing a Foundation for Your Work



Our Work

Providing The GIS Platform

ArcGIS

To Transform Our World



Understanding our world.