ArcGIS as a platform for Humanitarian Organization

Stanislas PACHULSKI
Esri France

NOMAD Workshop Linking Humanitarian Organizations with Mobile Data Collection Tool Providers, 15th - 17th May, Paris!
Their Work is Contributing to build a Better World . . .
Public Health

Global Health Situational Awareness – Avian Flu

Food Insecurity - Yemen

Polio Eradication

HIV Infected Population

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

IFPRI

Esri

Bill and Melinda Gates Foundation
World Health Organization

USAID/ICF Macro/Blue Raster, LLC

UNOSAT
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
CTBTO WORLD VIEWS
First integrated on-site inspection field exercise, Kazakhstan, 2008
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
1,091 financed activities working in 6,277 mapped locations
2 financed activities working in 225 mapped locations

Fostering Agricultural Productivity Project
Agriculture, fishing, and forestry

Province: Kidal
District: Geoname: Region de Kidal

$705.11 million
All

- Energy and mining
- Public Admin., and Justice
- Transportation
- Agriculture, forestry
- Health and social services
- Industry and trade
- Water, sanitation, and protection
- Finance
- Others

funding for local and national activities

MALI LINKS
- Mali Home
- Mali Country Brief
- Mali Results Profile
- IDA at Work in Mali
- Mali Finances
- Mali Aid Flows

MALI
Mali is a vast landlocked country with a...
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
Vision

GIS — A Platform for Transforming Our World
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
Providing Mapping and GIS
To the Entire Organization

Knowledge Workers

Executive Access

Public Engagement

Works Anywhere

Enterprise Integration

Professional GIS

ArcGIS

Enabling Access by Everyone
This Platform Leverages Many Trends
Enabling Pervasive Access
Integrating Traditional GIS with a Whole New World of Apps
Enabling New User Experiences

- Land Records
  - Parcel Boundary
  - Parcel Lines
  - Line Length -- Parcel Lines
  - Subdivisions
  - Subdivision Text
  - Acreage Text
  - Dimensions
  - Easement Text

- Administrative
  - County Boundary
  - City Limits
  - OverLayZones
  - LandUse2004
  - Landuse2009
  - Future Land Use Plan
  - Voter Precincts
  - Fire Fee Districts
  - TownShip
  - Elementary School Districts
  - Middle School Districts
  - High School Districts
  - Agricultural District
  - Sanitary District
  - Postal
  - Jurisdiction Text
  - Zoning
  - NC House Districts
  - Electoral Districts
  - Voting Tabulation District
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

Desktops

Tablets

Smartphones

Social Media

Websites

Browsers

Distributed Services

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

- USDA
- Governor's Office
- Cities
- States
- The World Bank
- UNEP
- Europe Union
- Eye on Earth Network

... Building Shared Infrastructure
Natives apps for Mobile devices
For all popular mobiles

- Visualization
- Editing
- Query
- Collect data on the ground
- Dashboard

Soon
- Update in disconnected mode
- Road map
- KML integration
- Presentation Mode
- ArcPad compliance
ArcGIS Content Is Growing
Integrating the Best Available Data

Many Community Contributions

... Providing a Foundation for Your Work
Non Profit Organization Program

- Provides ArcGIS Training and Support
- Thousands of Organizations
- 80+ Countries

... Helping Those Who Help Others
Our Work
Providing The GIS Platform

ArcGIS

To Transform Our World