# GEOSPATIAL INFORMATION TECHNOLOGIES and USAID

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USAID
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# USAID

- Foreign assistance arm of USG
- Assists > 100 countries in 5 regions
- Sectors:
  - Agriculture & trade
  - Conflict mitigation
  - Democracy & governance
  - Disaster assistance
  - Economic growth & urban development
  - Education
  - Environment
  - Health
  - Reconstruction & stabilization

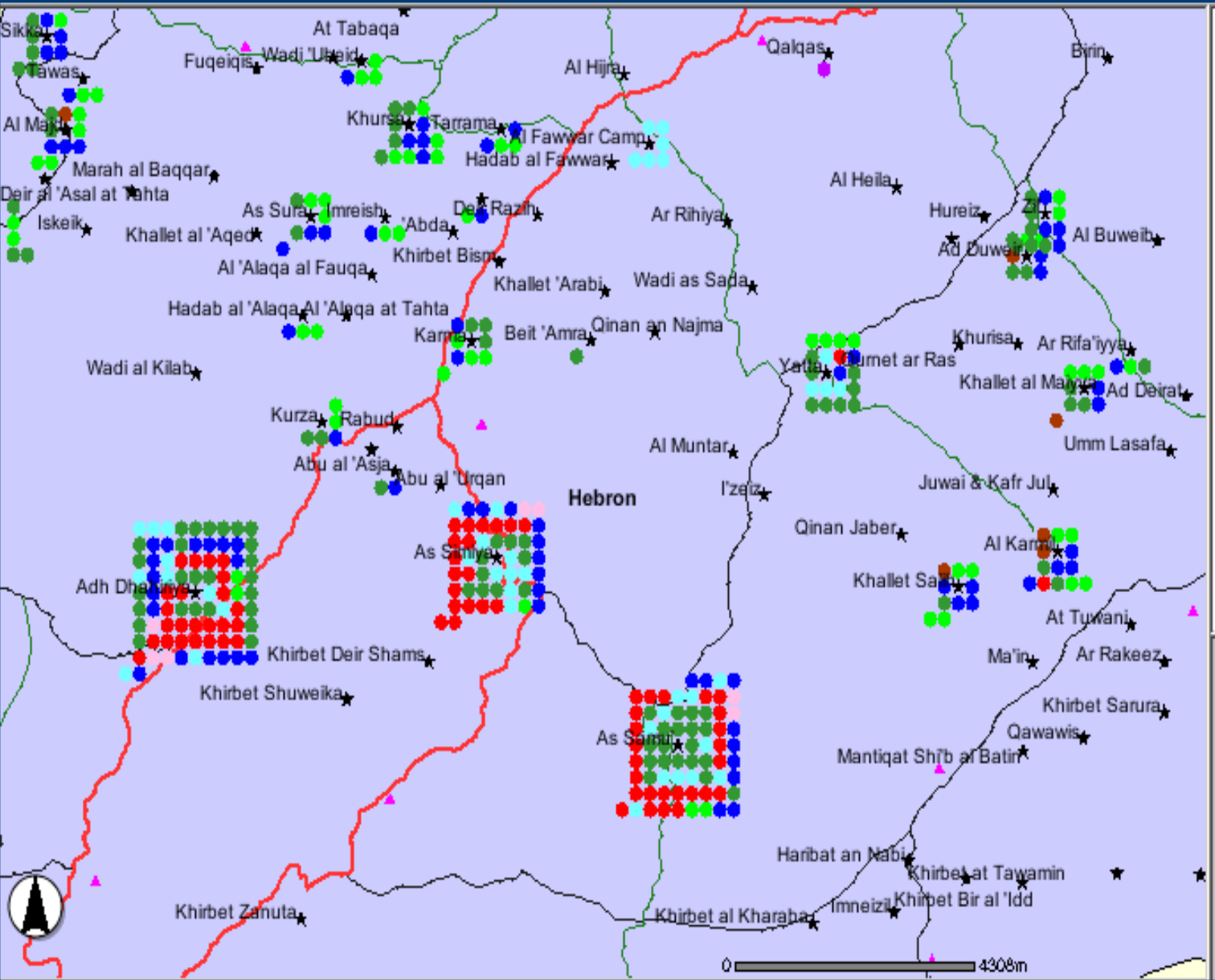
# *How GIS is Used at USAID*

- Geo-Management Information Systems (MIS)

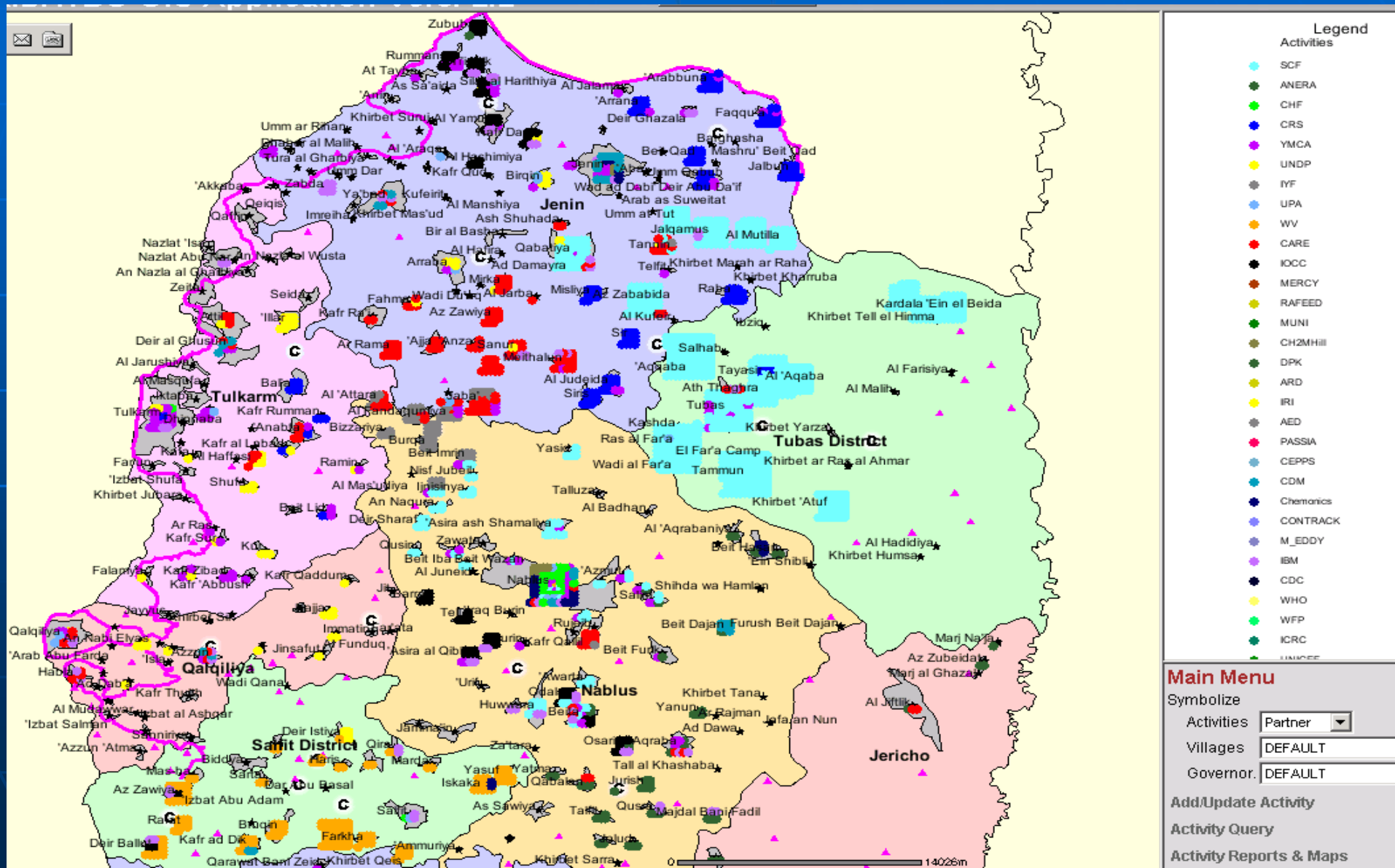
- Program Applications (by Sector)
  - Ag Research: CGIAR + CRSPs
  - Disasters: FEWS-NET, SERVIR, crisis mapping
  - Ed: Schools mapping
  - Env: SERVIR, CARPE, Land tenure/property rights work
  - Health: HIV Mapper, Health GIS Toolkit, SALB
  - R&S: AIMS, Urban development mapping, Iraq infrastructure
  - Trade:  Transit Efficiency Mapping

- Building Capacity
  - GEOSS
  - Trainings / Conferences
  - Partnerships (USG, NGO's, Foundations, Industry, Universities, UN)

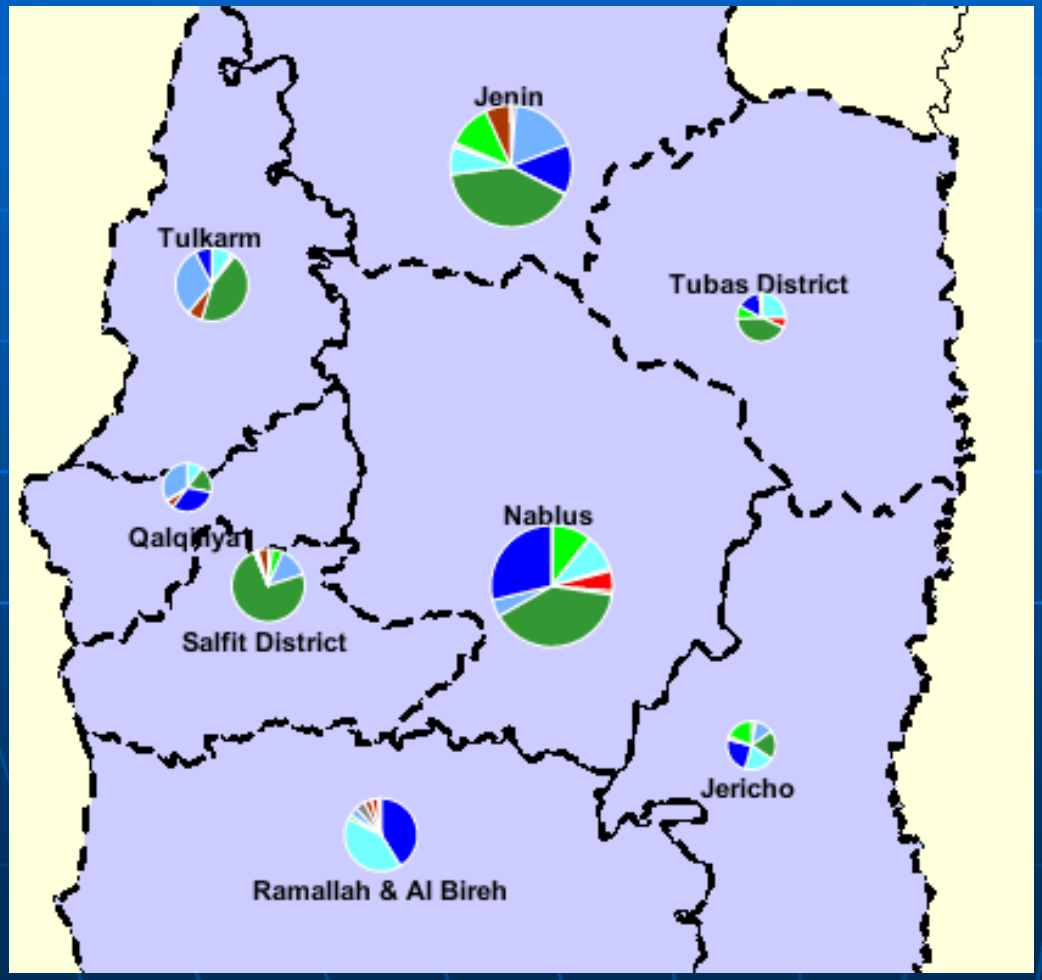
# Geo-MIS: Mapping USAID Projects by Sector



# Geo-MIS: Mapping USAID Projects by Partner

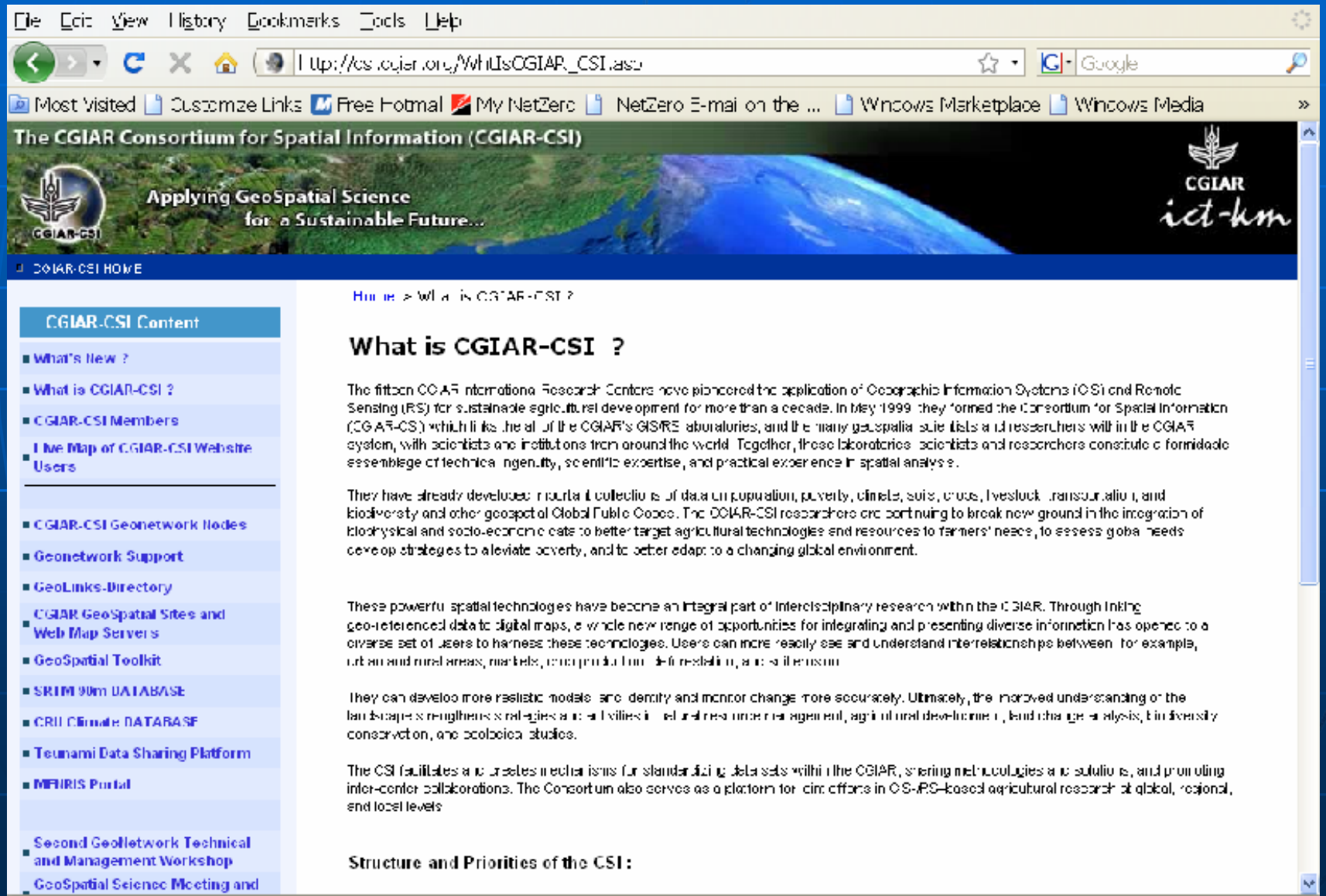


# Geo-MIS: Mapping USAID Funding by Governorate & Sector

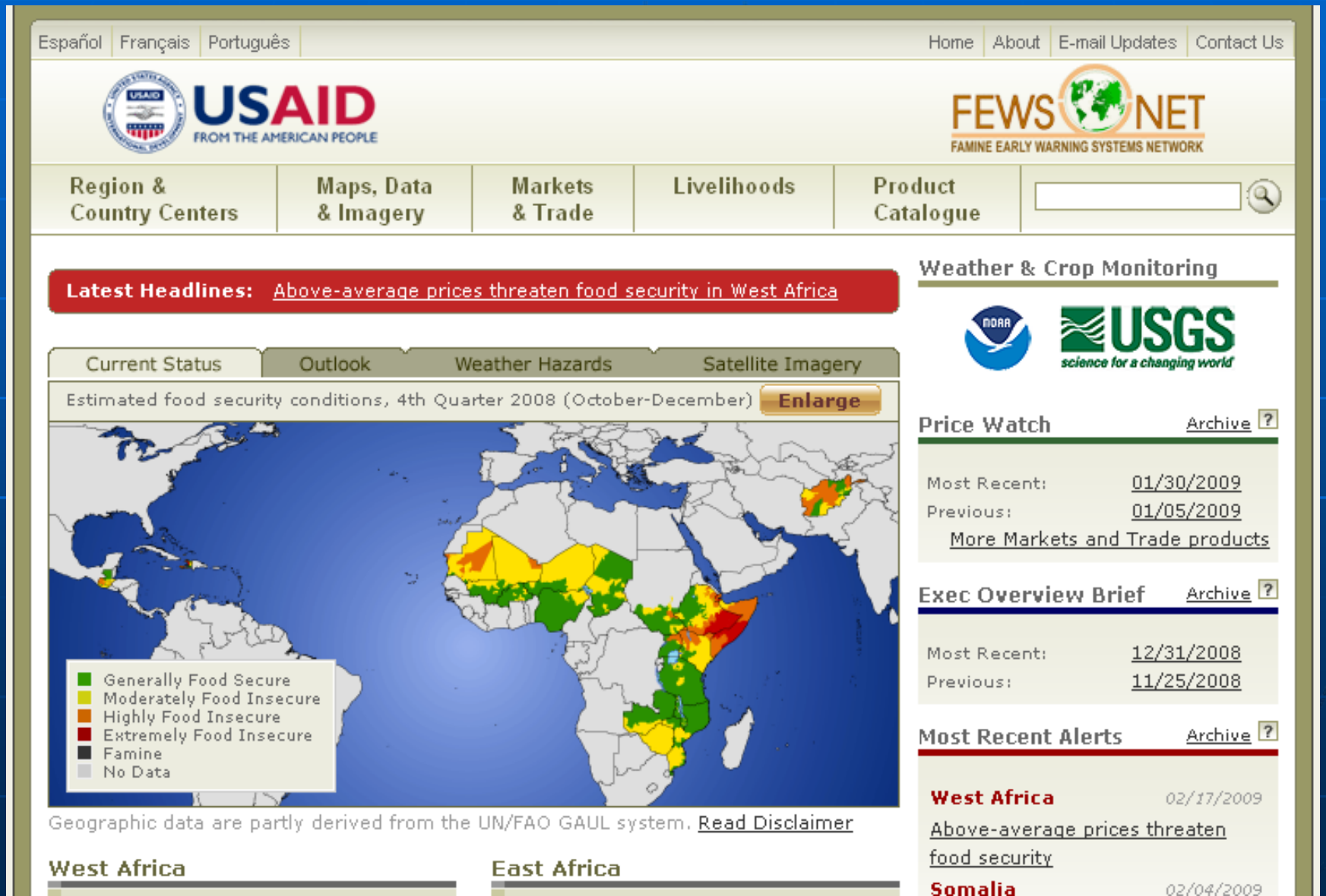


In Tulkarm, Jenin, Nablus and Tubas education (dark green sector) is 40-60% of total; in Ramallah it is 2% and Salfit 70%.

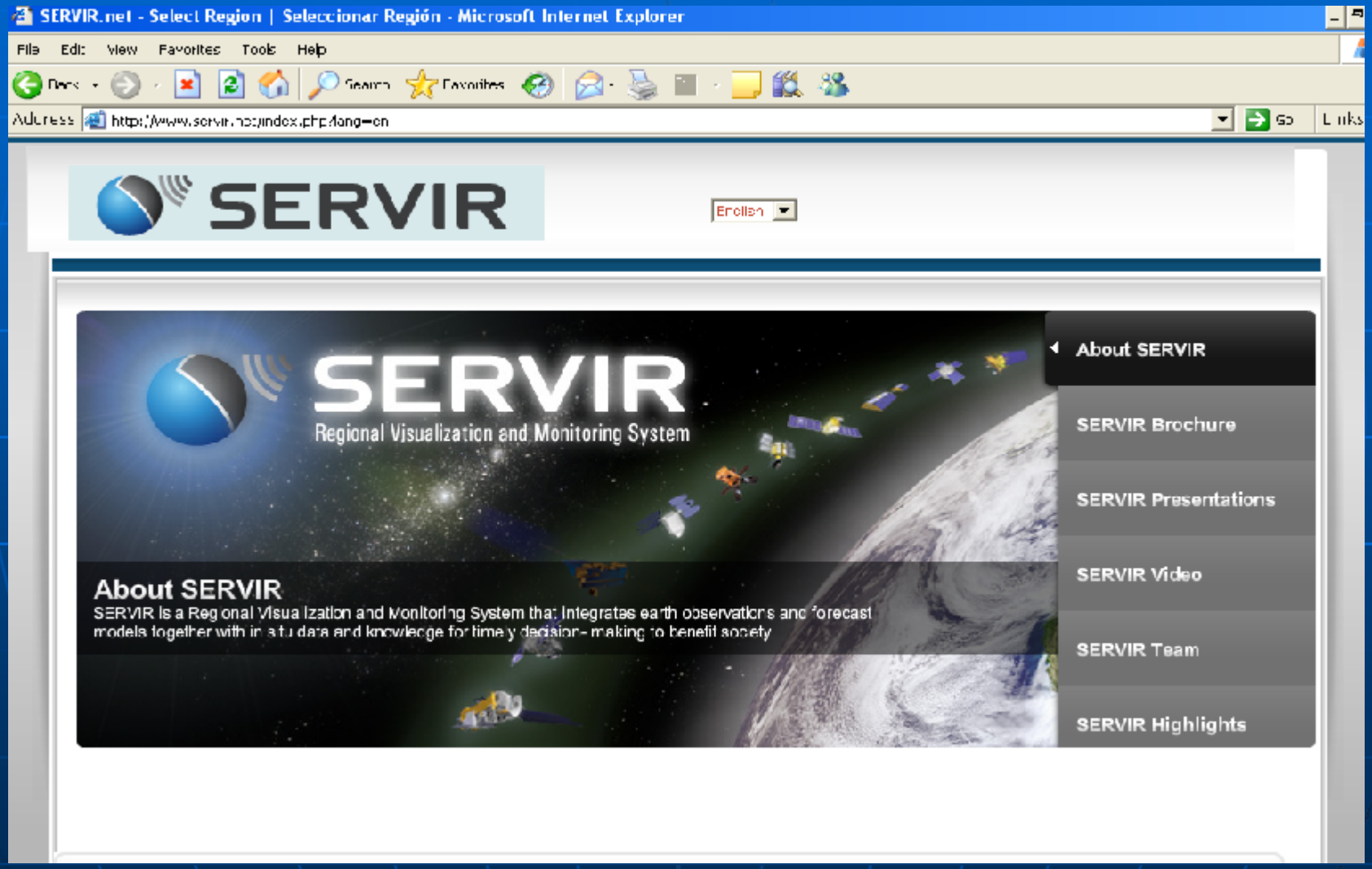
# Consultative Group on International Agricultural Research (CGIAR)



# GIS for Famine Early Warning: FEWS NET



# SERVIR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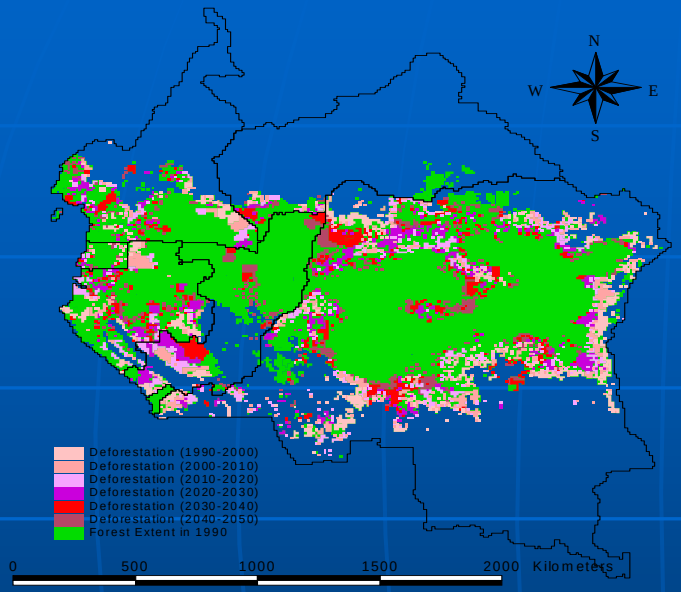
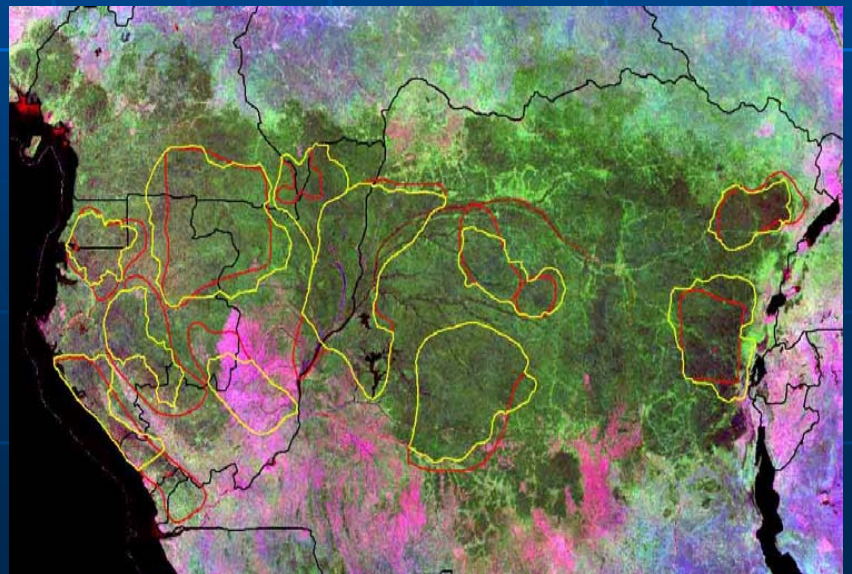
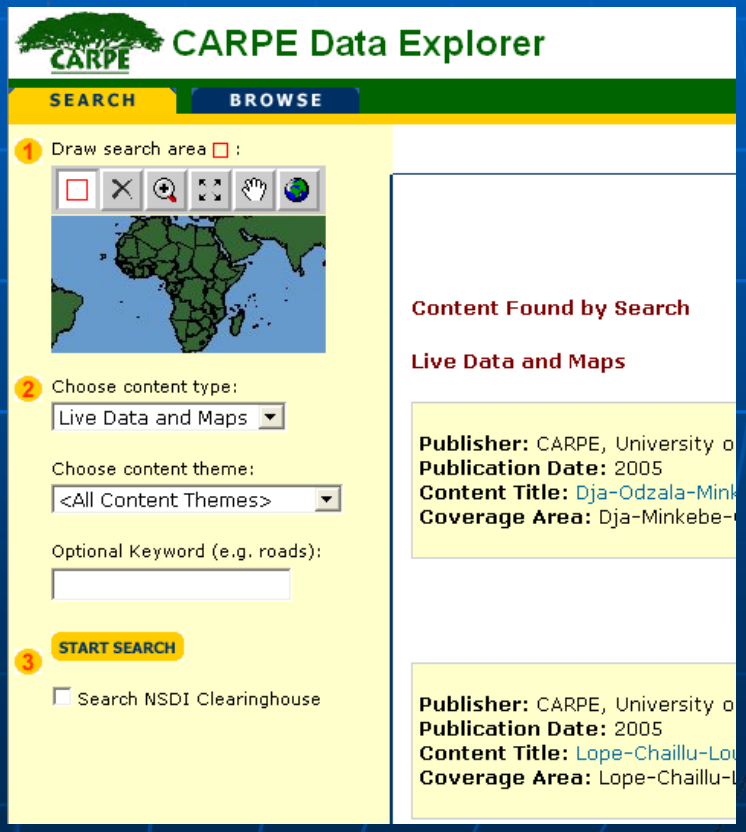
SERVIR Team
SERVIR Highlights

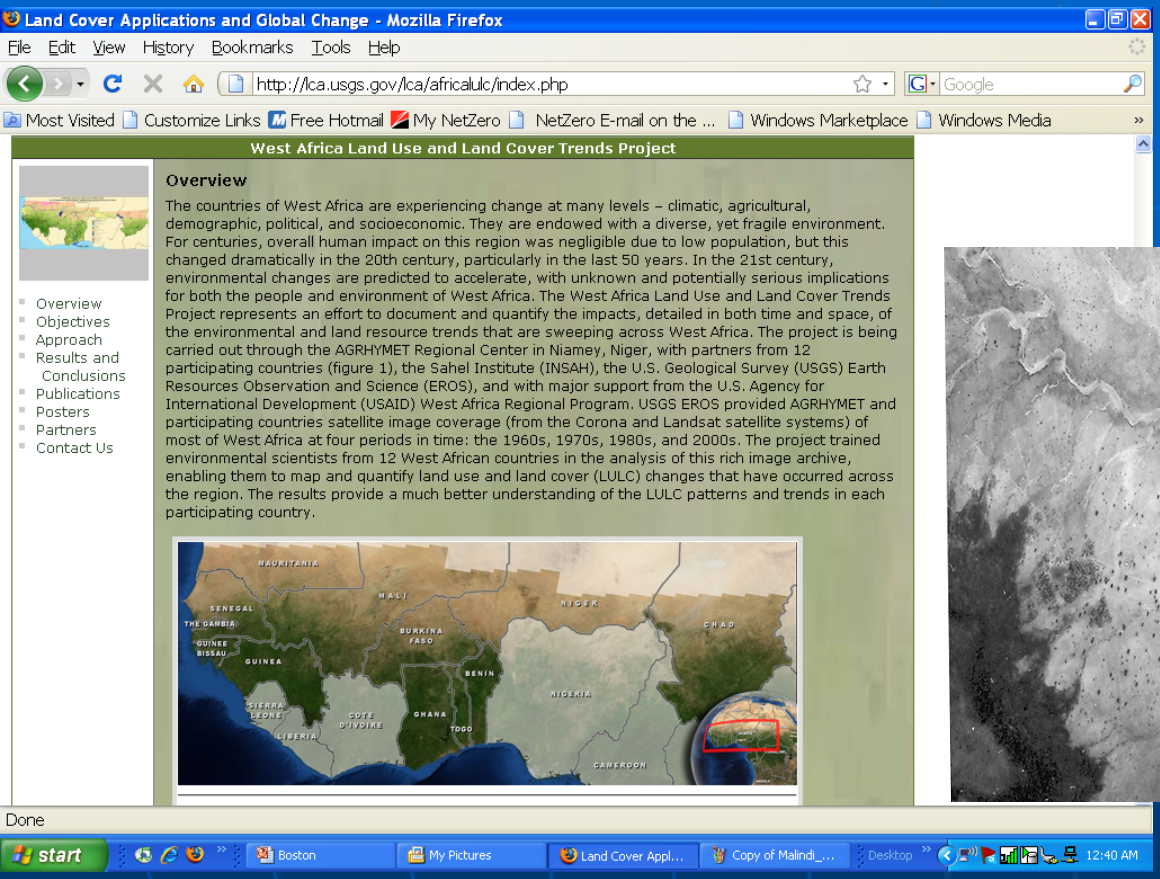
# GIS for Forest Monitoring: CARPE

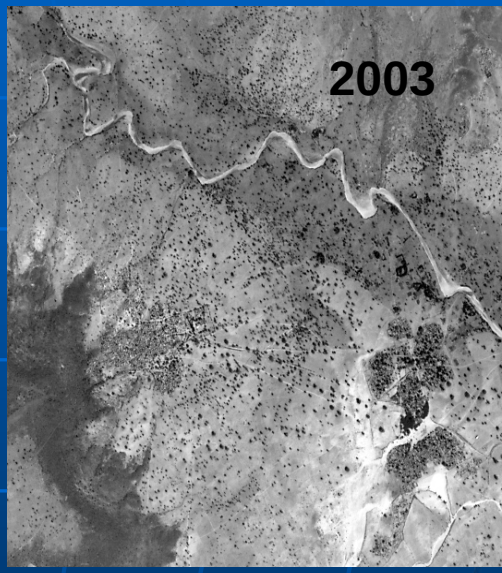




# West Africa Land Cover Analysis





# GIS for HIV/AIDS: HIV Mapper

Get Started

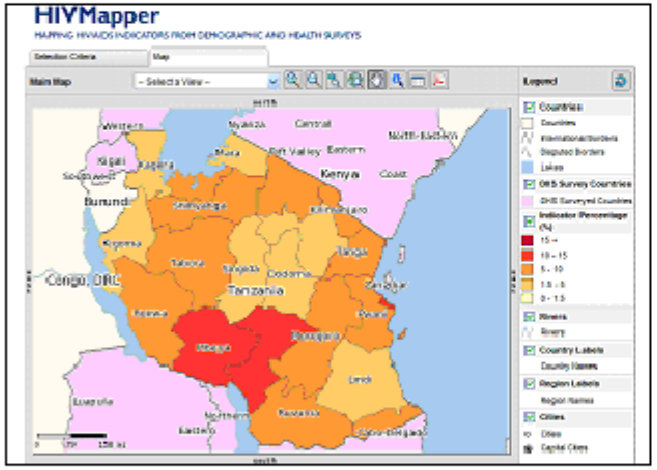
Create a map with HIVmapper

Access the HIV/AIDS Survey Indicators Database

## Featured Maps

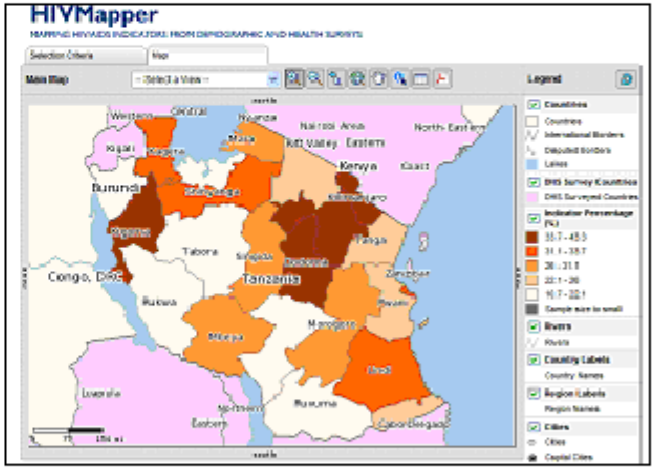
**Use maps to tell stories and explain trends. For example, maps can help to describe the HIV situation in Tanzania. Below are four maps that describe HIV prevalence in Tanzania and in the region. Click on thumbnail images to see maps in HIVmapper.**

### Tanzania: HIV Prevalence Among Population Ages 15-49




**Description:** In Tanzania, 7.7% of women and 6.3% of men are infected with HIV. The highest HIV prevalence, from 10% to 16%, occur in Mbeya, Iringa, and Dar es Salaam. The lowest is in Manyara and Kigoma, where HIV prevalence is around 2%. In general, the prevalence of HIV among women is higher than among men, except in Dodoma where prevalence is slightly higher among men.

### Tanzania: Accepting Attitudes Towards People Living with HIV/AIDS




**Description:** The level of acceptance towards people living with HIV/AIDS is low. Less than 50% of Tanzanians have accepting attitudes towards people living with HIV/AIDS. Acceptance is lowest in Kigoma, Shinyanga and Tabora. Acceptance is consistently lower among women than among men. The highest percentages of women who express accepting attitudes are found in Dar es Salaam and Mtwara.

# Health GIS Toolkit

# Afghanistan Information Management System

# Building Geospatial Capacity Within USAID

Address http://inside.usaid.gov/EGAT/gis/

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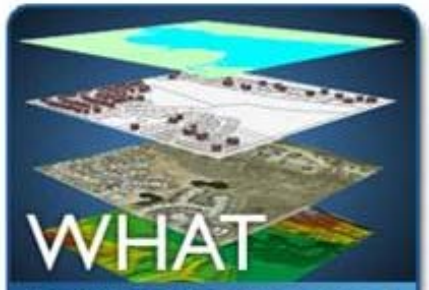
version 1.0

## Geospatial Information for Sustainable Development

### Welcome to USAID's Geospatial Information Technology Web Site

This site provides information on how the Agency is using geospatial information for sustainable development. It provides basic background on what geospatial information is, why it matters for the work we do, and who in USAID is using it.

We look forward to receiving your input to ensure that this site addresses your needs and becomes USAID's one-stop shop for geospatial information. Contact us at geospatial@usaid.gov.




**is geospatial information?**

Basic principles of geospatial information and GIS technologies including glossaries and FAQs

**can I use GIS technology?**

Locating resources, USAID GIS mechanisms and procurement requirements

**in USAID is using GIS?**

USAID GIS programs and staff working on them

# *Geospatial Priorities for USAID*

- Coordination internally / externally
- Improving data collection & data sharing
- Promoting standards
- Increasing GIS literacy / awareness
- Increasing affordability / access to tools