Geospatial & Statistical Information for Planning & Risk Management

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Addis Ababa
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What is SERVIR?

Goal: Improve environmental management and resilience to climate change

Objective: Strengthen capacity of government decision-makers and other key stakeholders to integrate Earth observation information and geospatial technologies into development decision-making

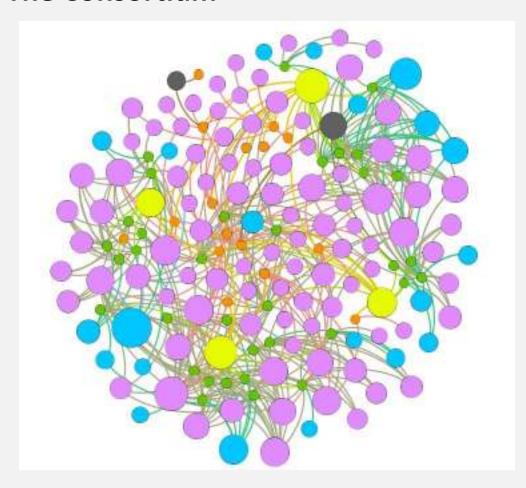
Approach: Leverage agency (NASA & USAID) strengths for impact

SERVIR Global Hub Network

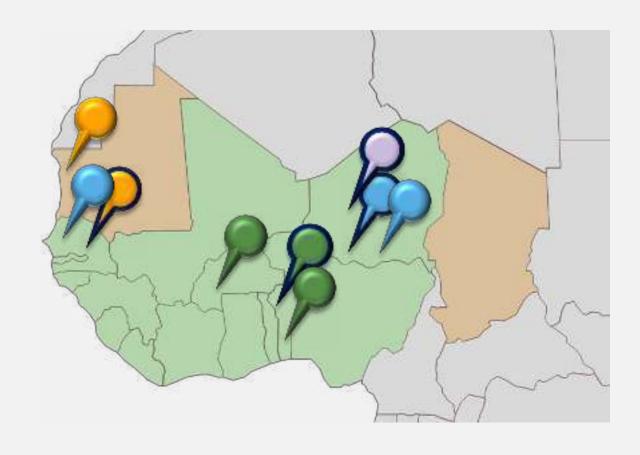


SERVIR in West Africa

The Consortium



Area of Current Activities & Focal Countries



Connecting Splange to Splange



Consultation & Needs Assessment

Stakeholder Mapping

Service Design & Planning

Prototyping, Testing & Implementation

Evaluation & Learning

SERVIR Service Areas







Land Use, Land Cover & Ecosystems

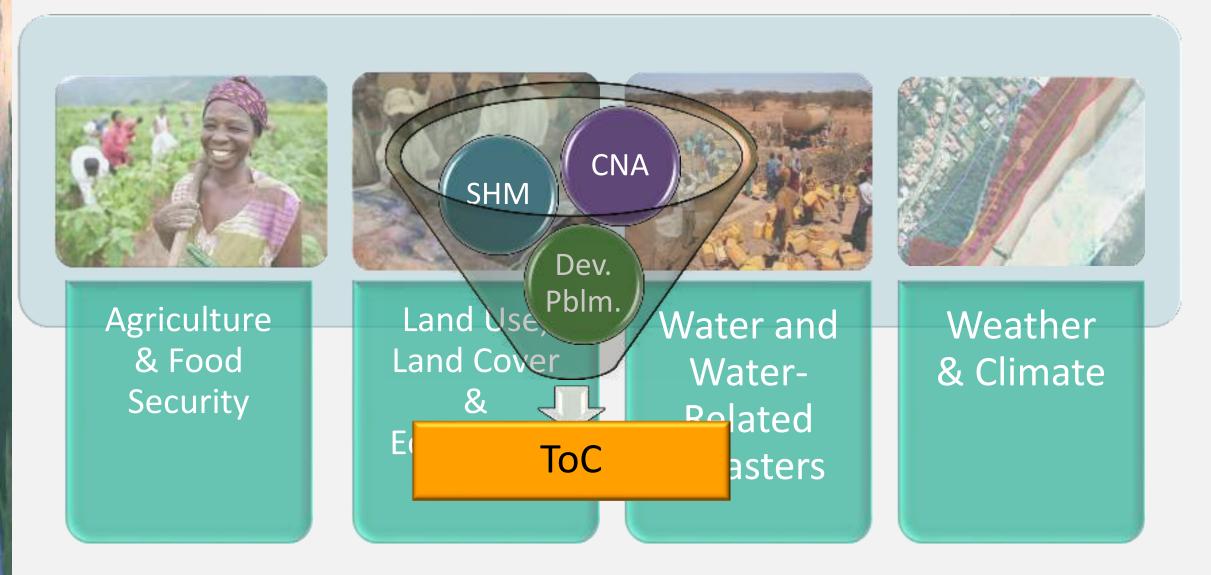


Water and Water-Related Disasters

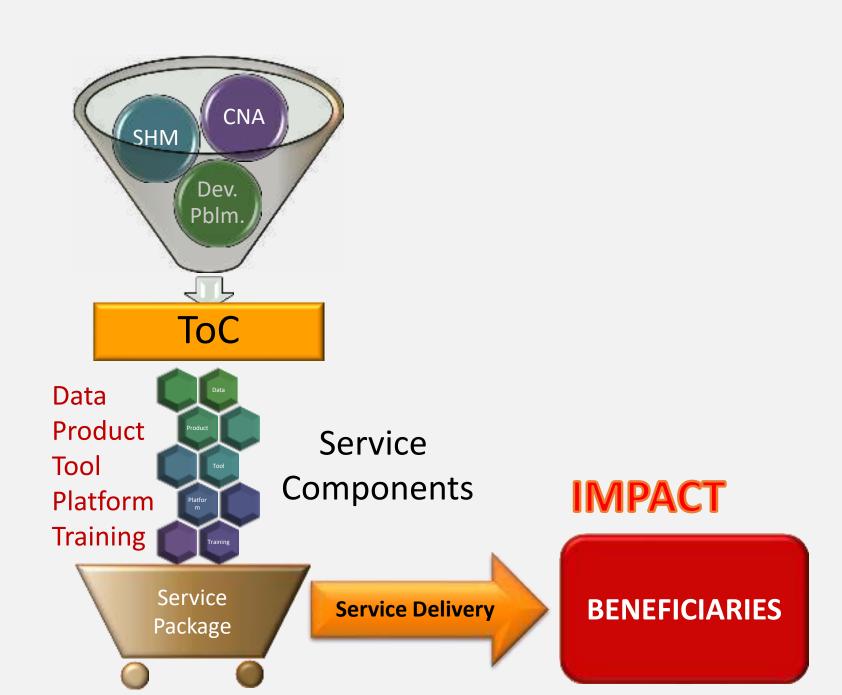


Weather & Climate

Consultative Process Leads to Theory of Change



From Service Areas to Service Packages



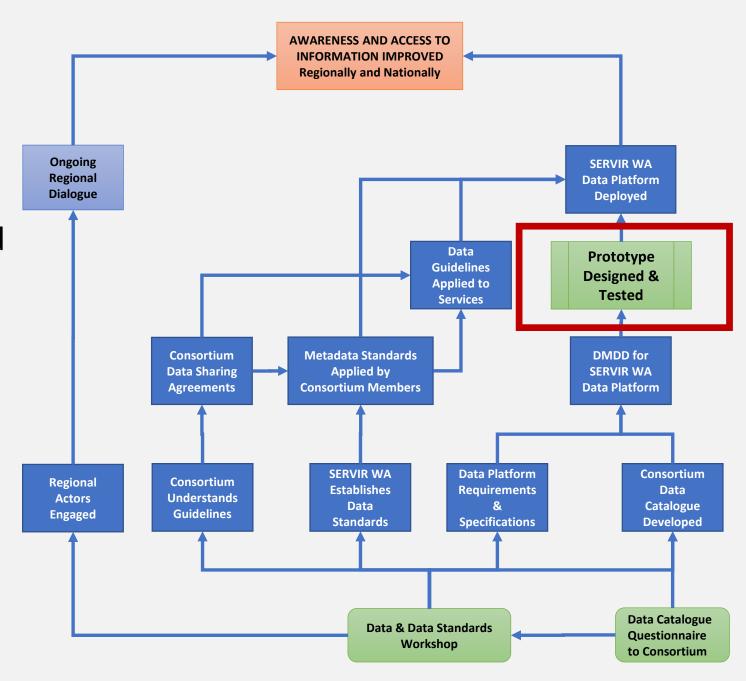
What SERVIR is NOT





Data & Data Standards Impact Pathway

- Establish means of open access to data and tools for decisionmaking
- Promote free and open data access amongst partners
- Agree standards and formats for data
- Comply with USAID & US Government free data access regulations



SERVIR GLOBAL PORTAL CLOUD DOCUMENTS & BRIEFS **SERVIR WA PORTAL PRODUCT** CATALOGUE DOCUMENTS & BRIEFS **SOCRATES** PRODUCT CATALOGUE CLUSTER METADATA GEOPORTAL **SERVIR CONSORTIUM** SERVIR CONSORTIUM SERVIR CONSORTIUM **SERVIR CONSORTIUM SERVIR CONSORTIUM PLATFORM PLATFORM PLATFORM PLATFORM PLATFORM** METADATA METADATA METADATA **METADATA METADATA**

Relevance to the West African Region

SERVIR WA Approach:

- Bottom Up Generation and Sharing of Data
- Explicit Agreements Amongst Partners
- Demand-Driven Service Selection
- Co-Development of Services and Data
- Federated System of Data Holdings
- Redundancy in Architecture
- Attention to Bandwidth

The West African Region

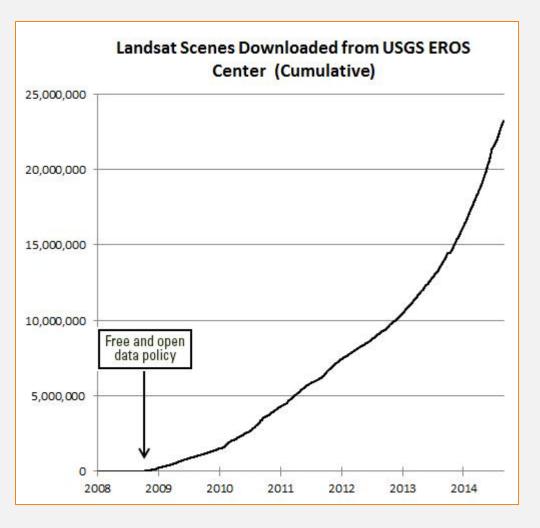
- SERVIR GIT requirements form a microcosm of the Region
- SERVIR WA Partners are technical champions for GSDI
- Need to identify Policy Champions

Overcoming Obstacles to Further Progress



- Cost Recovery becomes Fee for Service
- Confidence in Cloud Solutions for Data Storage, Access and Computing
- Cloud-Based Application Access given Internet Bandwidth and Stability
- Interoperable Standards Accepted
- Culture of Mutual Exchange and Support
- Acceptance of Free and Open Data policies

The Case of Landsat



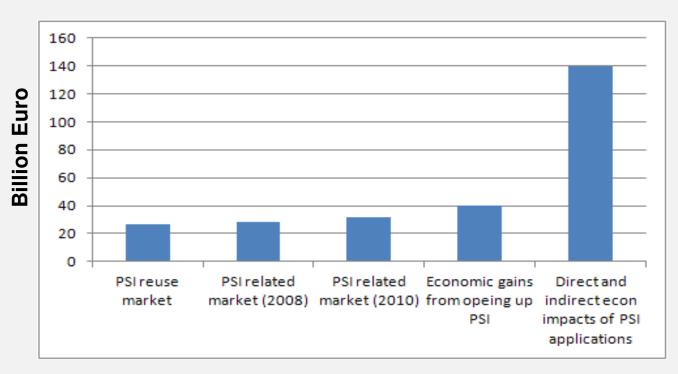
USGS received revenues of \$4.5m for Landsat data annually, but mostly from other gov't agencies, and gov't funded universities

After the change, generated \$1.5b worth of benefits

Source: CIESIN

Investing in Open Data

Economic benefits of open public sector information in the EU27



Source: Vickery (2011), "Review of Recent Studies on PSI Re-Use and Related market Developments"

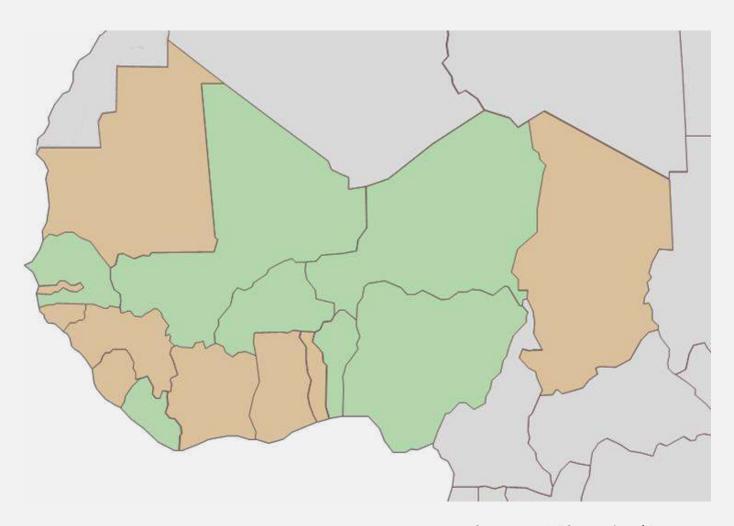
Active GSDI Efforts in West Africa

Issues:

- Funding
- National Policies
- Regional Champions

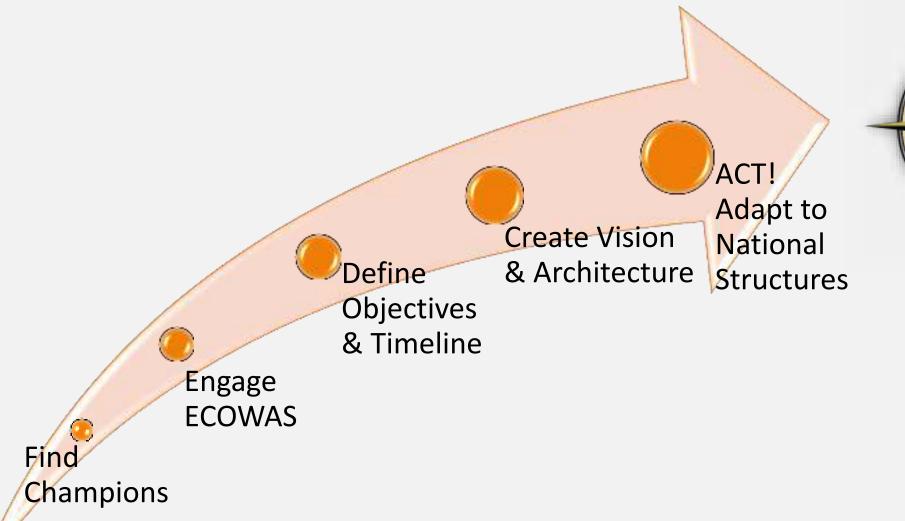
Opportunities to Build Upon:

- UNECA Efforts
- UMOA Roadmap
- SERVIR Regional Data Workshop
- Africa GIS 2017 &UN-GGIM
- AfriGEOSS 2018



Sources: UNECA, National Reports

Roadmap for Regional GSDI Progress



Trends to Capture

- New technologies
- NewMedia
- Cloud solutions
- Cloud-based
 Application Access
- New Sensors and Citizen Science





