SERVIR WEST AFRICA

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AFRIGIST · CILSS · ISESTEL · CSE Centre de Suivi Ecologique · CERSGIS · AIMS · Columbia University · UF University of Florida

COMMUNE-LEVEL DEVELOPMENT PLANNING

Development problem: Limited availability and accessibility of up-to-date land cover, land use and socioeconomic data to inform efficient and effective communal development planning

A geospatial information platform with eleven communes, and growing

http://servir.isestel.org

Bani (FFEM)
Barsalogho (SERVIR and RISE-II)
Bobo-Dioulasso
Coalla (FFEM)
Dano
Leo
Ouarkoye
Peni
Saaba
Tougouri (RISE-II)
Yamba (SERVIR and FFEM)

Training delivered to partners

- 24 partners from 8 communes trained on the Restoration Opportunities Evaluation Methodology (ROAM)
- Training on GIS and Geo-localization (24 partners from 8 communes)
- Training on converting spatial data into geospatial data delivered to 24 partners of 8 communes and 33 trainees of the Agriculture Ministry in collaboration with RCMRD
- Training on advance GIS and remote sensing for 28 trainees of the Agriculture Ministry in collaboration with RCMRD
- 33 Ministry of Agriculture staff trained on advanced remote sensing, mobile geospatial data collection in collaboration with RCMRD.

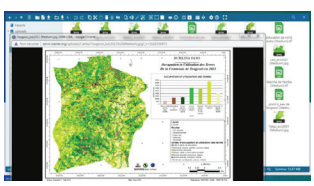
Impacts of geospatial analysis

Informed by a SERVIR land degradation study, the Ministry of Agriculture equipped 40,000 ha in 73 communes with soil and water conservation techniques.

17,000 ha of reforestation and sustainable land management facilitated in the commune of Barsalogho.

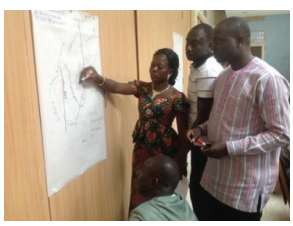
Significant areas under sustainable land management (SLM) implemented jointly by SERVIR and the FFEM (Fonds Français pour l'Environnement Mondial) in the Bani, Coalla and Yamba communes.

Land restoration in Bani	
Sustainable Land Management	Area (ha)
Zaï pits	500
Stone lines	1000
Half-moon surface	2510
Reforested land	1047,5
Plowed soil	2700
Soil fertility restoration	4200
TOTAL	**11957,5**

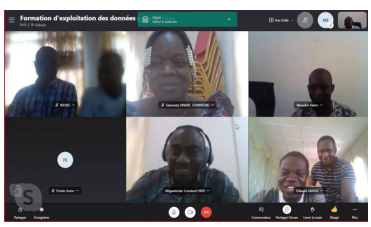


Data, digital map, mapping and statistical tools available to communal users.

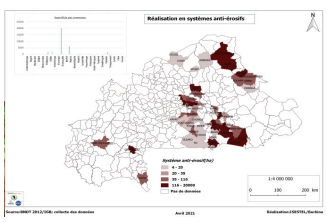
Training in collaboration with RCMRD



ROAM training

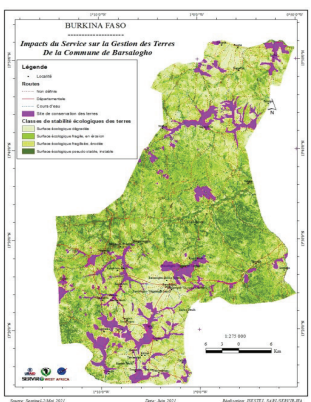


Online training



Soil restoration in Burkina

SLM implementation in Guié



Areas under SLM in Barsalogho

SERVIR connects space to village by helping developing countries use satellite data to address critical challenges in food security, water resources, weather and climate, land use, and natural disasters. A partnership of NASA, USAID, and leading technical organizations, SERVIR develops innovative solutions to improve livelihoods and foster self-reliance in Asia, Africa, and the Americas

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