SERVIR & SilvaCarbon:

Partnering for natural climate solutions

Land use data for climate action

SERVIR and SilvaCarbon conduct targeted, complementary activities to help countries meet their needs for improved land use information, enhance natural resource management, and foster scientific collaboration and data-driven decision-making.

SERVIR, a joint initiative of NASA, USAID, and leading geospatial organizations in Asia, Africa, and Latin America, works across four thematic service areas. The land cover service area focuses on helping countries use satellite data and geospatial technologies to reduce greenhouse gas emissions through improved land use management.

SilvaCarbon is a US Government interagency technical cooperation program implemented by USGS and USFS to enhance tropical forested countries' capacity to monitor, measure, and report on carbon in their forests and other lands —leading to better mitigation outcomes.

SERVIR

USG AGENCIES: USAID, NASA

OVERVIEW: SERVIR co-develops innovative solutions through a network of regional hubs to inform national policies and strategies to adapt to the impacts of global change and plan for a sustainable future. Co-funded by USAID and NASA, SERVIR addresses critical challenges in climate change, food security, water, disasters, land use, and air quality.

APPROACH: Supports country needs through a network of regional hubs in Asia, Africa and the Americas

LAND COVER APPLICATIONS:

- Land cover change monitoring
- Resource management
- Crop mapping
- Emission estimates
- Natural capital accounting
- Fire monitoring & forecasting
- Ecological forecasting

SilvaCarbon

USG AGENCIES: USAID, Dept. of State, USFS, USGS, EPA, NASA

OVERVIEW: SilvaCarbon provides targeted technical and capacity building support—working directly with in-country teams and international partners to develop transparent, sustainable forest and landscape monitoring systems, data products, and tools.

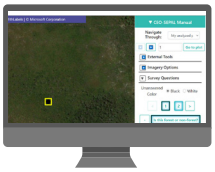
GEOGRAPHIC SCOPE: Supports country needs via technical science teams.

APPLICATIONS:

- Land cover change monitoring
- National greenhouse gas (GHG) inventory development
- National forest inventory design & implementation
- Integration of remote sensing & ground data for carbon estimation & reporting

Recent Collaboration Examples

COLLECT EARTH ONLINE (CEO)



CEO, a co-developed web tool collecting reference data for land cover monitoring, has 4,500+ users & 9 million+ sample points to date.

THE SAR HANDBOOK PROJECT

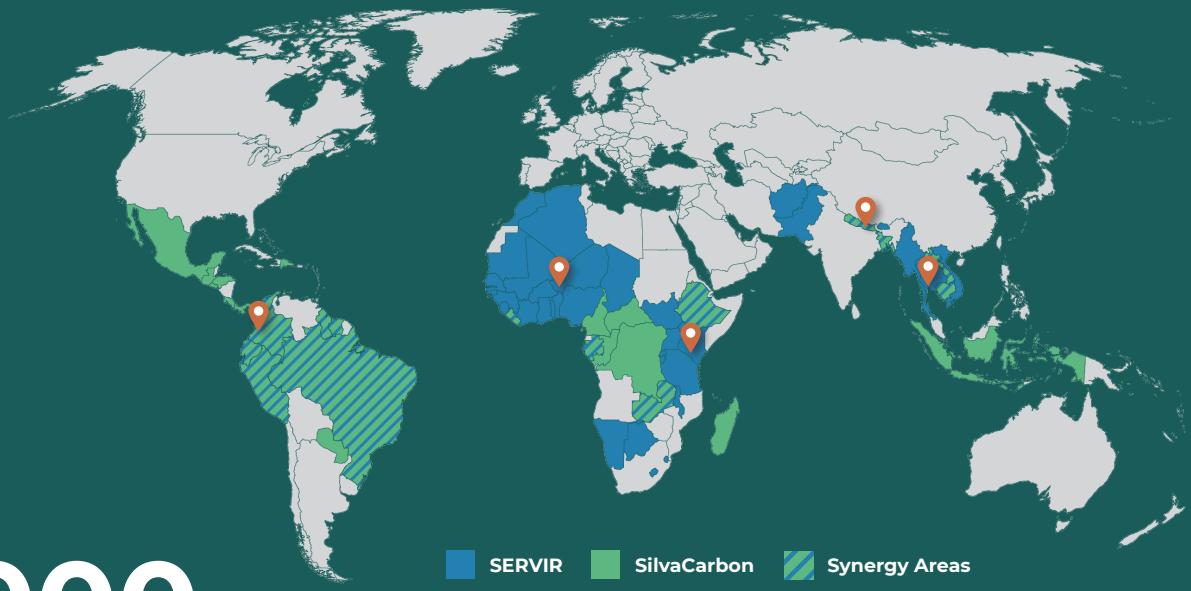
A freely-available online resource on using radar for forestry monitoring & biomass applications, the eBook has 600,000+ downloads worldwide.

JOINT TRAININGS & WORKSHOPS

Both programs engage in joint/complementary activities across Asia, Africa, & the Americas improving land cover monitoring capabilities.

Global Reach & Implementation

SERVIR and SilvaCarbon have complementary activities around the world. SERVIR's regionally-focused hub model—supporting country needs based on user consultations—pairs well with SilvaCarbon's country-based collaborative approach. This provides opportunities for shared resources and greater efficacy than either program could achieve alone.



60+ countries impacted

1000+ People trained in 2019

END USERS & BENEFICIARIES | IMPLEMENTERS | FUNDING AGENCIES

SERVIR

PROGRAM FOCUS: Wide range of end users and beneficiaries — from foresters and pastoralists to government officials — with the goal of connecting "space to village"

Demand-driven, co-developed services

HUBS: A global network of regional SERVIR hubs address end-user needs at local, regional, and country levels across diverse thematic areas.

Collaborative science with US universities and research institutions

NASA: The Science Coordination Office and SERVIR Applied Sciences Teams bring the latest applied research for capacity building.

WHERE THE PROGRAMS MEET: COUNTRY-LEVEL SYNERGIES

COLLABORATING FOR ON-THE-GROUND IMPACT

SERVIR and SilvaCarbon often work together to build in-country capacity to use satellite data through joint activities, leading to MORE sustainable resource management and climate resilience.

USAID provides international development support for natural climate solutions, coordinating with donors, and strengthening partnerships.

PROGRAM FOCUS: Country-based end users and international bodies in need of targeted assistance with forest inventories, monitoring and reporting

Demand-driven technical support

TECHNICAL TEAM: Experts from USFS, USGS and the research community help to build countries' technical capacity to monitor their forests.

Funding, international expertise

US DEPARTMENT OF STATE: Science diplomacy bridges broader US efforts advancing climate programming around the globe.

SilvaCarbon

For more information, visit **SERVIRglobal.net** and **SilvaCarbon.org**