



About Us

SilvaCarbon is a flagship initiative of the US Government that provides technical assistance to build capacity in measuring, monitoring, and reporting forest and terrestrial carbon. SilvaCarbon agencies include the US Agency for International Development (USAID), US Department of State, US Forest Service (USFS), US Geological Survey (USGS), US Environmental Protection Agency (EPA), and National Aeronautics and Space Administration (NASA). SilvaCarbon works with 22 tropical forested countries through a combination of country-specific and regional capacity-building activities, typically focused on three interrelated areas and their integration: 1) National forest inventories, 2) Applying remote sensing technologies, and 3) Greenhouse gas inventories.

U.S. Forest Service International Programs promotes sustainable forest management and biodiversity conservation internationally. By linking the skills of the field-based staff of the U.S. Forest Service with partners overseas, the agency can address the world's most critical forestry issues and concerns. International Programs regularly engages the agency's wide range of expertise. Wildlife biologists, forest economists, hydrologists, disaster and fire management specialists, and policy makers are among those who comprise the staff of over thirty thousand employees. U.S. Forest Service International Programs implements activities around the globe, including Latin America and the Caribbean, Africa and the Middle East, Asia and the Pacific, and Russia, Europe, and Eurasia.

U.S. Forest Service Geospatial Technology & Applications Center (GTAC) is an organization within the engineering group of the US Forest Service. Based in Salt Lake City, Utah, GTAC supports the GIS, remote sensing, cartographic, and photogrammetric needs of the agency through map production, spatial analysis, research and development, disaster response, and training. GTAC frequently supports international sponsors, largely in capacity-building efforts, by developing and delivering in-person and online training dedicated to using geospatial technologies to support natural resource management.

BEEODA is a suite of open-source software and educational materials for processing and analyzing earth observation data. It is based on a Linux Ubuntu Virtual Machine that contains a range of open-source image processing tools such as QGIS, Orfeo, GDAL, Python, R, etc. BEEODA is developed and maintained by Dr. Pontus Olofsson, Dr. Chris Holden and Dr. Eric Bullock who are all affiliated with the Department of Earth & Environment, Boston University. They offer workshop instruction using the BEEODA software and materials for analyzing earth observation data anywhere in the world. Workshop topics may include satellite image classification of land-cover, object-based classification of high-resolution imagery, detection and mapping of land-cover change in satellite imagery, time series analysis of satellite data, accuracy assessment of maps and area estimation of mapped land cover and change.

SERVIR is a joint development initiative of National Aeronautics and Space Administration (NASA) and United States Agency for International Development (USAID). SERVIR works in partnership with leading regional organizations world-wide to help developing countries use information provided by Earth observing satellites and geospatial technologies to assess environmental conditions to improve their planning and actions. SERVIR empowers decision-makers with tools, products, and services to act locally on environmental issues related to disasters, agriculture, water, and ecosystems and land use.