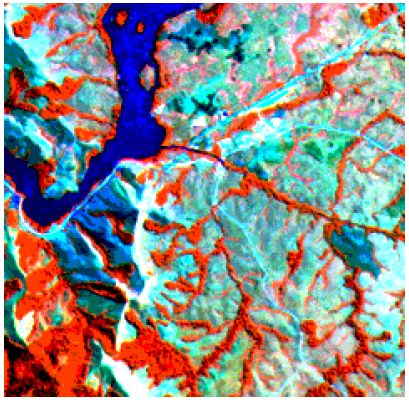
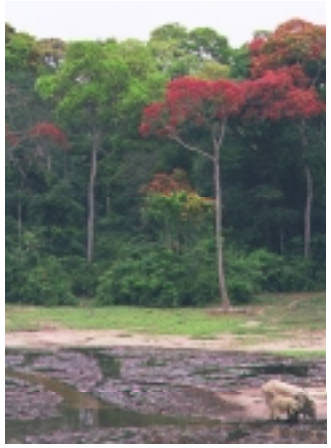
An Integrated Forest Monitoring system for Central Africa

Dept. of Geography - University of Maryland (UMD)





P. I.: N. Laporte,
Co.P.I.s: Dr. G. Sun, Prof. R. Dubayah (UMD);
Dr. J. Lemoigne (NASA);
Dr. M. Fay, Dr. L. White (WCS);
Dr. P. Mayaux (JRC-Italy)

This project expands on previous work mapping the forest types, extent, spatial distribution, and biomass of central Africa. It uses a network of contacts in the region to develop a forest monitoring system. The work includes fusion of multiple image data sources and extensive field measurements to map land cover, land use practices, and biomass density at the local and regional scale. This work is based on participation in interdisciplinary programs focused on the region. It provides access to an unprecedented set of remote sensing and field measurements which are just now available for monitoring regional forest resources and their associated dynamics. A range of land surface variable maps will be provided for widespread distribution to an established user community. This will be done through contingents of the US AID-funded Central Africa Regional Program for the Environment (CARPE), the Africa program of the World Conservation Society, the GLCF Deforestation Group, and the Tropical Ecosystem Environmental Observation by Satellite (TREES) project.

http:// carpe.gecp.virginia.edu
http://www.inform.umd.edu/tropical
Http://www.wcs.org
http://glcf.umiacs.umd.edu
http://www.trees.gvm.sai.jrc.it