Additional USDA/FS Research Tools and Resources

Watershed Condition Framework
The Watershed Condition Framework establishes a new consistent, comparable, and credible process for improving the health of watersheds on national forests and grasslands. This framework helps focus our efforts in a consistent and accountable manner and facilitate new investments in watershed restoration that provide economic and environmental benefits to local communities.
For additional information, please email: Christopher Carlson.

Green Value Tool
A tool for simplified financial analysis being adapted for use in the U.S. by its developers, Dr. Shoana Humphries (consultant) and Dr. Thomas Holmes (USDA Forest Service). Webinar available at: http://www.conservationwebinars.net/webinars/pronr-forest-management-webinar-green-value-a-tool-for-simplified-financial-analysis-of-forest-based-initiatives/.
For additional information, please email: Thomas Holmes.

Urban forestry research tools – These powerful tools combine social network mapping, biophysical mapping, and evaluating change over time. The tools include - STEW-MAP, iTree, and Urban Tree Canopy Mapping.

The Stewardship Mapping and Assessment Project (STEW-MAP)
STEW-MAP is a USDA Forest Service research project designed to answer the questions: Which environmental stewardship groups are working across urban landscapes? Where, why, how, and to what effect? STEW-MAP highlights network capacity and gaps, and promotes coordination, collaboration, and synergies among organizations.
For additional information, please email: Sarah Hines.

i-Tree
i-Tree is a state-of-the-art, peer-reviewed software suite from the USDA Forest Service that provides urban and rural forestry analysis and benefits assessment tools. The i-Tree tools can help strengthen forest management and advocacy efforts by quantifying forest structure and the environmental benefits that trees provide.
For additional information, please email: David Nowak or Sarah Hines.

Urban Tree Canopy Mapping (UTC)
High-resolution land mapping and land cover data is part of a suite of Urban Tree Canopy Assessment tools. Point and parcel-scale data can help a community measure, monitor, and improve tree canopy over time, and combat threats that can lead to canopy loss. The approach uses actual observations rather than modeling, can accurately map change over time, and can reveal critical nuances across jurisdictions and agencies to prioritize loss prevention.
For additional information, please email: Sarah Hines.

SilvaCarbon is an interagency technical cooperation program of the U.S. Government to enhance the capacity of selected tropical countries to measure, monitor, and report on carbon in their forests and other lands. Drawing on expertise and resources from multiple U.S. Government agencies and partners, the program provides targeted technical support to countries in the process of developing and

implementing national forest and landscape monitoring systems. SilvaCarbon leverages state-of-the-art science and technology to advance the generation and use of improved information related to forest and terrestrial carbon.
For additional information, please email: Sasha Gottlieb.

Forest Inventory and Analysis (FIA) Engagement Portfolio

The FIA Engagement Portfolio highlights several digital innovations aimed at making forest inventory data and science more accessible and useful to a broader audience. Approaches include use of dynamic map-based factsheets, dashboards, an online interactive atlas, story mapping, and novel data visualizations. The goal is to carry FIA science and data to stakeholders to increase data transparency, improve decision-making, and make data "actionable".
For additional information, please email: Chris Oswalt.

SWAMP Tropical Wetlands Collaboration

The Sustainable Wetlands Adaptation and Mitigation Program (SWAMP) is a USAID-funded program co-implemented by the USDA Forest Service and the Center for International Forestry Research (CIFOR). Since 2009, SWAMP scientists have worked to increase scientific knowledge of the carbon dynamics and ecosystem services of tropical wetlands, namely mangroves and peatlands, working closely with in-country scientists, students, and government staff in over 30 countries globally. Moving forward, SWAMP aims to build upon its significant scientific achievements with an increased emphasis on applications and tools that meet countries' needs for improving wetlands management, restoration, and international greenhouse gas reporting.
For additional information, please email: Beth Lebow.