

Forest Health Monitoring Program Monthly Update July 2017

UPCOMING EVENTS

(Items beginning with * indicate a new listing or new information)

October 24-26, 2017. Park City, Utah. 2017 Forest Inventory and Analysis Science Stakeholder Meeting: Doing more with the Core. The US Forest Service, Forest Inventory and Analysis (FIA) Program is pleased to announce the 2017 FIA Science Stakeholder Meeting. The theme of the 13th biennial Science Stakeholder Meeting is Doing More with the Core, emphasizing innovation around how FIA analyzes, augments, and delivers information derived from its central data collection operations. The Symposium brings together international forest scientists, managers, and stakeholders to share insights on a wide variety of topics, including contemporary issues, science policy, mensuration, geospatial products, and inventory methods. The first call for presentations is available. Presentation abstracts were due May 5, 2017. For more information about the meeting including lodging, call for papers, author standards, and manuscript guidelines, visit [the meeting web site](#).

October 24-26, 2017. Knoxville, TN. Oak Symposium: Sustaining Oak Forests in the 21st Century through Science-based Management. This symposium is the third in a series that began in 1992 and continued in 2002. The purpose of the symposium is technology transfer of state-of-the-art management and research for sustainability of oaks in the Central Hardwood Region. Topic to be covered by invited speakers are prescribed fire, silviculture, economic markets, forest health, and climate change of upland oak forests. There will be a poster session (abstracts accepted until **July 15, 2017**), and a field tour to showcase collaborative research among the University of Tennessee (UT) Forest Resources Research and Education Center, the UT Tree Improvement Program, and the USDA Forest Service Southern Research Station. For complete information about the symposium including lodging and registration, visit the [conference website](#).

***October 24-26, 2017.** Anchorage, AK. SAVE THE DATE! 2017 Alaska Invasive Species Workshop. Sponsored by Alaska's Committee for Noxious and Invasive Pests Management (CNIPM) and the University of Alaska Fairbanks Cooperative Extension Service. For more information about the meeting as it becomes available, visit [the Alaska invasives web site](#). The organizers of this workshop are always open to talks about the detection and management of invasives outside of Alaska. Please contact Tricia Wurtz (U.S. Forest Service, Region 10) at twurtz@fs.fed.us.

November 15-19, 2017. Albuquerque, New Mexico. The 2017 Society of American Foresters National Convention. For complete information about the convention as it becomes available, visit the [convention web site](#).

UPCOMING WEBINARS

(Items beginning with * indicate a new listing or new information)

***Learn at Lunch Live Webinar: Low-Tech Flame Carbonizers for Biochar Production: Theory and Application.** (Sponsored by the Utah State University Forestry Extension) Speaker: Kelpie Wilson (Wilson Biochar Associates). Biochar is made by applying heat to biomass in the absence of oxygen. Flame carbonization uses the flame itself to exclude oxygen. Flame carbonization methods can produce high quality biochar from low value biomass waste found in fields and forests without investing in expensive equipment. Kelpie Wilson will explain the theory and design principles for using flame carbonizing techniques in various applications such as forestry, farming and urban tree care. No registration is required! 1 CEU is available from the following organizations: International Society of Arboriculture, and Society of American Foresters for **LIVE** broadcast only. This webinar will be conducted at **12:00 p.m. (MDT) on July 25, 2017**. To access this free webinar, visit the [registration site](#). Plan to access the site a few minutes early.

***Drought and Urban Forests.** (Sponsored by Southern Regional Extension Forestry and Forest Service Office of Sustainability and Climate) Speakers: Cynthia West (Director, Office of Sustainability and Climate); Janette Davis (U.S. Forest Service, Cooperative Forestry); Rich Hallett (U.S. Forest Service, Northern Research Station); Paul Johnson and Mickey Merritt (Texas A&M Forest Service); and Greg McPherson (U.S. Forest Service, Pacific Southwest Research Station). Recent droughts have caused stress and mortality in urban forests, reducing the cooling, clean air, and carbon storage provided by trees. Because human populations are growing in most U.S. cities, it will become increasingly important to maintain healthy, productive urban forests. Scientists and urban foresters are working together to quantify recent drought-related stress and find management strategies for sustainable urban landscapes. No pre-registration is required! CEU available: Georgia Master Timber Harvester – 1 hour CLE-Environmental Credit; International Society of Arboriculture - 1 hour ISA Practice Credit; International Society of Arboriculture - .5 hour ISA BCMA Science Credit; International Society of Arboriculture - 1.5 hour ISA Certified Arborist Credit; International Society of Arboriculture - 1 hour ISA Municipal Specialist Credit; Society of American Foresters – 1.5 hour Category 1 Credit. CEU applied for: New York Logger Training - .25 hour NYLT TLC Credit. This webinar will be conducted at **2:00 p.m. (EDT) on July 25, 2017**. To access this free webinar, visit [the webinar information site](#) for more details. Plan to join the webinar 15 minutes early.

***Common Garden Studies for Herbaceous Plants: Lessons Learned from the Longleaf Pine Ecosystem.** (Sponsored by Eastern Seed Zone Forum) Speaker: Dr. Joan Walker (Research Ecologist, U.S. Forest Service, Southern Research Station). The fifth of the Eastern Seed Zone Forum's online lecture and discussion series aimed at providing both information about the creation of seed zones in general and a forum in which professionals, experts, and interested parties discuss the possibility of drafting seed zone guidelines for the eastern United States. In this webinar, Dr. Joan Walker, Research Ecologist at the USDA Forest Service Southern Research Station, will describe steps taken to develop the South Carolina Common Garden Study, including seed

collection, plug production, garden establishment and design, selection of traits to measure, and data collection. No pre-registration is required! CEU available: Society of American Foresters – 1 hour Category 1 Credit. This webinar will be conducted at **11:00 a.m. (EDT) on July 26, 2017**. To access this free webinar, visit [the webinar information site](#) for more details. Plan to join the webinar 15 minutes early.

The Sustainable Forest Roundtable offers periodic webinars. For information about accessing past and future webinars, please visit [the Webinar Portal for Sustainable Forests](#).

***Webinars offered by the U.S Forest Service Geospatial Technology and Applications Center (GTAC)** include three varieties. The lightning talks (**Lightning Talk**) are very short presentations that will last approximately 15-30 minutes; they will focus on specific geoprocessing tasks and are designed to provide concise and useful information in a very efficient manner. The Awareness Sessions (**Awareness**) are designed to build your knowledge base on the particular topic and enable you to further explore the technology with realistic expectations. The Technical Training Webcasts (**Technical**) are designed to provide you with the technical skills and tools to complete geospatial tasks. **GIS** listed after presentation type indicates GIS training. **RM** listed after the presentation type indicates remote sensing training. **Note: If you don't have access to the Forest Service Intranet, the registration links will not work. Please email Brenna Schwert (bmschwert@fs.fed.us) directly to make accommodations.**

- [Introduction to ArcGIS Online](#) (**Technical - GIS**) Forest **Service Only**
Note: This is not an introductory course for ArcGIS Desktop. If you are interested in an introductory training in ArcGIS, please see our ArcGIS 10.3 Quick Start course. Participants will learn how to create simple web maps, create and manage groups, create a Story Map Journal web app, and learn how to work with ArcGIS Collector. This course also covers how to administer ArcGIS Online and how roles and privileges relate. Included in the course is an optional lesson on further exploring Story Maps by creating a Tour App. **10:00 am – 4:00 pm (Mountain Time) on July 18, 2017.
- [Introduction to Forest Service Geospatial Resources](#) (**Awareness - GIS**) **Forest Service Only** NEW! This course is for people who are new to the Forest Service or new to GIS and need to learn about the geospatial data, protocols, and platforms available in the Forest Service. PLEASE NOTE: This course will not teach you how to use specific GIS software. If you are new to GIS, we recommend you take the GSTC ArcGIS 10.3 Quick Start class, or the Introduction to ArcGIS Online course. **10:00 am – 12:00 pm (Mountain Time) on July 20, 2017.**
- [ArcGIS 10.3 - Using Citrix for GIS Projects](#) (**Technical - GIS**) **Forest Service Only** Participants will learn how to use GIS data to analyze a vegetation project proposal and prepare information for a NEPA analysis. Students will use the Forest Service Data Center and Citrix programs that allow for inter-discipline collaboration, and provides a central repository for all the project data. This course covers the process of finding, creating, managing, and analyzing GIS data in order to prepare outputs for a

collaborative Forest Service Project. **10:00 am – 4:00 pm (Mountain Time) on July 26, 2017.**

- [ArcGIS 10.3 Quick Start](#) (**Technical - GIS**) Participants will learn how to get started using ArcGIS Desktop's primary applications, ArcMap and ArcCatalog. The course covers fundamental GIS concepts and basic functionality to view and manipulate display properties. The hands on exercises teach basic viewing functionality and GIS data types and their properties. **10:00 am – 4:00 pm (Mountain Time) on August 1-2, 2017.**
- [ArcGIS 10.3 Cartographic Tools](#) (**Technical - GIS**) Participants will learn how to work with various cartographic related properties in ArcGIS. The course covers how to set Layer and Data Frame properties, work with Layer files, assign classification symbology, work with labeling and annotation, and create a final map product. **10:00 am – 4:00 pm (Mountain Time) on August 8, 2017.**
- [ArcGIS 10.3 Editing](#) (**Technical - GIS**) This class demonstrates editing environment in ArcGIS Desktop 10.3. You will be exposed to the new editing environment. The course covers editing attribute data, performing spatial edits, and creating new data (digitizing). The hands on exercises teach basic editing functionality. **10:00 am – 4:00 pm (Mountain Time) on August 17, 2017.**
- [Introduction to ArcGIS Online](#) (**Technical - GIS**) **Forest Service Only**
Note: This is not an introductory course for ArcGIS Desktop. If you are interested in an introductory training in ArcGIS, please see our ArcGIS 10.3 Quick Start course. Participants will learn how to create simple web maps, create and manage groups, create a Story Map Journal web app, and learn how to work with ArcGIS Collector. This course also covers how to administer ArcGIS Online and how roles and privileges relate. Included in the course is an optional lesson on further exploring Story Maps by creating a Tour App. **10:00 am – 4:00 pm (Mountain Time) on August 22, 2017.
- [ArcGIS 10.3 Working with Tables](#) (**Technical - GIS**) Participants will learn how to work with tabular information in ArcGIS. The course covers how to use different commands and functions within tables, query attribute data, and join and relate tables. Suggested Background: The prerequisites for this class are the Quick Start course or basic GIS skills (Participants must be open projects, load data, understand Data Frame and Layer properties, and be able manage GIS data in ArcCatalog). **10:00 am – 4:00 pm (Mountain Time) on August 29, 2017.**
- [Introduction to Forest Service Geospatial Resources](#) (**Awareness - GIS**) **Forest Service Only** NEW! This course is for people who are new to the Forest Service or new to GIS and need to learn about the geospatial data, protocols, and platforms available in the Forest Service. PLEASE NOTE: This course will not teach you how to use specific GIS software. If you are new to GIS, we recommend you take the GSTC ArcGIS 10.3 Quick Start class, or the Introduction to ArcGIS Online course. **10:00 am – 12:00 pm (Mountain Time) on August 30, 2017.**

PUBLICATIONS
OF INTEREST

1. **Eastern Forest Environmental Threat Assessment Center.** 2017. Forest ThreatNet, the May/June 2017 edition of the Eastern Forest Environmental Threat Assessment Center's newsletter. Available online at [*The Forest ThreatNet*](#).

FOR MORE
FHM
INFORMATION

Visit the [**FHM homepage**](#) and the [**Forest Health Portal**](#)
or access both via the [**USDA Forest Service homepage**](#)