

Forest Health Monitoring Program

Monthly Update

May 2018

WHAT'S NEW

Get to know FHM. This month get to know **the Forest Health Monitoring (FHM) Program Management Team.** The core Management Team consists of the National Program Manager, located in Washington D.C., the five Regional Program Managers (one for each FHM region), State representatives, (one from each FHM region), a representative from the Southern Research Station's Forest Health Monitoring Research Unit, the National Program Leader of the Forest Service's Forest Inventory and Analysis (FIA) Program, and the Director of the Forest Service's Forest Health Assessment & Applied Sciences Team (FHAAS). You can contact any of these members for more information about the FHM activities happening in your area or anywhere in the United States and related Pacific Islands.

| Position | Name and Title | Affiliation | Email Address |
|-----------------------------|--|--|--|
| National Lead | Tom Eager National Program Manager Forest Health Monitoring (FHM) | US Forest Service, Forest Health Protection, Washington Office | teager@fs.fed.us |
| Regional Lead | Chris Asaro South Regional Program Manager | US Forest Service, Forest Health Protection, Region 8 | casaro@fs.fed.us |
| Regional Lead | Harris, Jeri Lyn Interior West Regional Program Manager | US Forest Service, Forest Health Protection, Region 2 | jharris@fs.fed.us |
| Regional Lead | Vacant Northcentral Region Program Manager | US Forest Service, Forest Health Protection, Northcentral Region | Contact Jim Steinman jsteinman@fs.fed.us |
| Regional Lead | Karen Ripley West Coast Regional Program Manager | US Forest Service, Forest Health Protection, Region 6 | klripley@fs.fed.us |
| Regional Lead | Steinman, Jim Northeast Regional Program Manager | Forest Health Protection, Northeast Area | jsteinman@fs.fed.us |
| State Representative | Halman, Joshua Northeast MegaRegion | Vermont Department of Forest, Parks and Recreation | Joshua.Halman@vermont.gov |
| State Representative | Amy Gannon Interior MegaRegion | Montana Department of Natural Resources and Conservation | agannon@mt.gov |
| State Representative | Marshall, Phillip Northcentral MegaRegion | Indiana Division of Forestry | pmarshall@dnr.in.gov |
| State Representative | Smith, Tom West Coast MegaRegion | California Department of Forestry | tom.smith@fire.ca.gov |

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| State Representative | Barton, Chandler South MegaRegion | Arkansas Forestry Commission | chandler.barton@agriculture.arkansas.gov |
| Other Forest Service Representative | Koch, Frank Research Ecologist, Forest Health Monitoring Research Unit | Southern Research Station | fhkoch@fs.fed.us |
| Other Forest Service Representative | Reams, Greg National Program Manager, Forest Inventory and Analysis (FIA) | Research and Development, Washington Office | greams@fs.fed.us |
| Other Forest Service Representative | Sapio, Frank Assistant Director Forest Health Protection (FHP), Director, Forest Health Assessment & Applied Sciences Team (FHAASST) | Forest Health Assessment & Applied Sciences Team Fort Collins | fsapio@fs.fed.us |

The FHM Program expresses thanks and best wishes to three State representative members of the Management Team who are leaving the Management Team after multiple years of service. Tom Hall (PA Department of Conservation and Natural Resources), represented the Northeast megaregion for about 9 years, Roger Mech (MI Department of Natural Resources), represented the North Central megaregion for 8 years; and Lori Chamberlin (VA Department of Forestry), represented the South megaregion for about 2 years.

The FHM program welcomes three new State representative members to the Management Team. Joshua Halman (VT Department of Forest, Parks and Recreation) joins representing the Northeast megaregion, Phillip Marshall (IN Division of Forestry) joins representing the Northcentral megaregion, and Chandler Barton (AR Forestry Commission) joins representing the South megaregion. Their contact information is listed above.

UPCOMING EVENTS

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

August 5-10, 2018. Mt. Sterling, OH. The 6th International Workshop of the Genetics of Host-Parasite Interactions in Forestry. The workshop is titled *Tree Resistance to Insects & Diseases: Putting Promise into Practice*. The call for abstracts for oral and poster presentations is now open. The due date for abstracts was January 21, 2018. Lodging reservations needed to be made by February 1, 2018. For more information contact the [workshop web site](#). Because the size will be limited to 110 participants, for planning purposes please contact Richard Sniezko (rsniezko@fs.fed.us) or Jennifer Koch (jkoch@fs.fed.us) and specify if you plan to attend, may attend, or will not attend but want to be on the Tree Resistance mailing list. Sending this email is not a commitment to attend the meeting.

UPCOMING WEBINARS

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

***May 23, 2018 at 1:00 p.m. Eastern time. Storm-Resilient Urban Forests: Response Resilience, Are You Prepared to Respond?** (Sponsored by Southern Regional Extension Forestry) Speaker: Dr. Richard Hauer (Professor of Urban Forestry, University of Wisconsin – Stevens Point). Storms happen and the urban forest responds accordingly to steps taken beforehand to create storm-response resilience. Recovery from storms also happens and the success is predictable based on how well a community prepares in advance to respond. Storms occur in both small communities and large metropolitan areas. Planning early and often is good advice to prepare for your initial storm response. A triage approach for debris management takes care of the worst first and productively leads to a timed and planned response to the aftermath of storms. During this webinar, Extension Agents and educators will learn a variety of approaches communities have used to respond to storms and ultimately manage tree damage and tree debris. The speaker will also discuss a variety of actions to incorporate into community storm response before a storm happens. No pre-registration is required! CEU available: Society of American Foresters – 1 hour Category 1 credit; International Society of Arboriculture – 1 hour ISA Practice credit; International Society of Arboriculture – 1 hour ISA Municipal Specialist credit; International Society of Arboriculture – 1 hour ISA Certified Arborist credit; Georgia Master Timber Harvester – 1 hour CLE – Environment credit. To access this free webinar, visit the [webinar information site](#). Plan to join the webinar 15 minutes early.

***June 12, 2018 at 1:00 p.m. Eastern time. Promoting Urban & Community Forestry through Staffing, Volunteer Groups, Tree Boards, & Ordinances.** (Sponsored by Southern Regional Extension Forestry) Speaker: Dr. Brian Wolyniak (Urban and Community Forestry Educator, Southwestern Pennsylvania, Penn State University Extension). The success of community forests relies on good management by municipal staff, volunteer groups, and tree boards framed around well-written ordinances. This presentation will explore the role of these components in promoting a healthy community forest. Discussion will include the role Extension educators can play in promoting community forestry through educational programs as well as by direct assistance to communities in the development of effective ordinances and establishment of tree boards. Examples will be provided along with resources on how to promote and develop effective community forestry programs. No pre-registration is required! CEU applied for: Society of American Foresters – 1 hour Category 1 credit; New York Logger Training - .25 hour NYLT TLC Credit. CEU available: International Society of Arboriculture – 1 hour ISA Certified Arborist credit. To access this free webinar, visit the [webinar information site](#). Plan to join the webinar 15 minutes early.

Past webinars from the Learn at Lunch Live Webinars series sponsored by the Utah State University Forestry Extension are available for viewing at the following [website \(http://forestry.usu.edu/videos-conferences-webinars/webinars/index\)](http://forestry.usu.edu/videos-conferences-webinars/webinars/index).

*Webinars and other information from **The National Academies of Sciences, Engineering and Medicine study, *The Potential for Biotechnology to Address Forest Health***, are posted on the [study web site](#). Visit the web site for more information.

*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. **RS** 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 what class you want to take to (geotrainingadmin@fs.fed.us) and they will register you manually.**

- **May 22, 2018 at 10:00 am – 4:00 pm (Mountain Time) [Introduction to ArcGIS Online](#) (**Technical - GIS**) [Forest Service Only](#)** This course covers how the Forest Service administers ArcGIS Online using roles and privileges, and how we leverage Forest Service data in this WebGIS platform. Participants will learn how to use AGOL to create simple web maps, create and manage groups, create a Story Map Journal web app, and learn how to work with ArcGIS Collector. Included in the course is an optional lesson on further exploring Story Maps by creating a Tour App. ****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.
- **May 23-24, 2018 at 10:00 am – 4:00 pm (Mountain Time) [ArcGIS 10.3 – Managing Forest Service SDE Geodatabases](#) (**Technical - GIS**) [Forest Service Only](#)** This course is intended for unit GIS Coordinators or SDE Managers who are responsible for their ArcSDE Geodatabases. The class covers the skills needed manage ESRI ArcSDE geodatabases in the Enterprise Data Center (EDC) and Natural Resource Management (NRM) environments. Management includes loading data, coordinating access to the data, assuring the database is maintained by analyzing, rebuilding indexes and managing versions owned by other users. Users attending this class must have knowledge of ESRI geodatabases, familiarity with editing in a geodatabase and the responsibility for spatial data administration. If these are your job duties, this course is for you.
- **May 30, 2018 at 10:00 am – 4:00 pm (Mountain Time) [Collector for ArcGIS in the Forest Service](#), (**Technical - GIS**) [Forest Service Only](#)** This introductory webinar covers GPS data collection using the Collector app on a tablet or smart phone. You'll need a smart phone or tablet, WI-FI for your device to connect to, and a Forest Service ArcGIS Online account

for this course. See [course description](#) for more details. *Outside partners are welcome to join the class if certain requirements are met.

- **May 31, 2018 at 10:00 am – 4:00 pm (Mountain Time) [ArcGIS Pro for ArcMap Users](#) (Technical - GIS) [Forest Service Only](#)** New Course! **USFS organizational account for AGOL and ArcGIS Pro required, see other info for more details** This course is designed as a crosswalk between using ArcGIS Desktop and ArcGIS Pro. This course provides a hands on introduction to participants of Pro's new user interface and project management. Participants will walk through common workflows previously performed in ArcMap/Catalog such as navigation, editing, analysis, sharing, symbolizing, creating a layout, geoprocessing, importing maps and data, and querying. ArcGIS Pro is a projects based application. A project contains maps, layouts, layers, tables, tasks, tools, and connections to servers, databases, folders, and styles. Projects can also incorporate content from your organization's Portal or ArcGIS Online accounts
- **June 5-6, 2018 at 10:00 am – 4:00 pm (Mountain Time) [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.
- **June 14, 2018 at 10:00 am – 12:00 pm (Mountain Time) [Introduction to Forest Service Geospatial Resources](#) (Awareness – GIS) [Forest Service Only](#)** 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.
- **June 19, 2018 at 10:00 am – 4:00 pm (Mountain Time) [Survey 123 Form Creation](#) (Technical - GIS) [Forest Service Only](#)** Create survey forms for the Survey123 app using the Survey123 web application and Survey123 Connect. Create simple smart forms with relevant questions and drop down lists. Customize the look of your form. Analyze resulting survey data and create AGOL map. A Forest Service ArcGIS (AGOL) account and Survey123 Connect software are required for this course. Audience: Forest Service employees ready to move their paper and electronic forms into Survey123.
- **June 28, 2018 at 10:00 am – 4:00 pm (Mountain Time) [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.
- **July 11, 2018 at 10:00 am – 4:00 pm (Mountain Time) [Collector for ArcGIS in the Forest Service](#) (Technical - GIS) [Forest Service Only](#)** This introductory webinar covers GPS data collection using the Collector app on a tablet or smart phone. You'll need a smart phone or tablet, WI-FI for your device to connect to, and a Forest Service ArcGIS Online account for this course. See [course description](#) for more details. *Outside partners are welcome to join the class if certain requirements are met.

- **July 18, 2018 at 10:00 am – 4:00 pm (Mountain Time)** [ArcGIS 10.3 – Advanced Editing](#) (Technical - GIS) NEW Course! Participants will learn how to work with the Advanced Editing Toolbar in ArcMap; practice using geodatabase topology to find and fix errors; and automate editing through a vertical integration tool that aligns Forest Service data with existing reference data.
- **July 19, 2018 at 10:00 am – 4:00 pm (Mountain Time)** [ArcGIS 10.3 – Geoprocessing](#) (Technical - GIS) Do MORE with your data! The Analysis toolbox puts POWERFUL tools right at your fingertips. This course covers 19 of the 21 tools in the Analysis toolbox found right in ArcMap. Whenever you need to solve a spatial or statistical problem, look to the Analysis toolbox.
- **July 24, 2018 at 10:00 am – 4:00 pm (Mountain Time)** [Introduction to ArcGIS Online](#) (Technical - GIS) **Forest Service Only** This course covers how the Forest Service administers ArcGIS Online using roles and privileges, and how we leverage Forest Service data in this WebGIS platform. Participants will learn how to use AGOL to create simple web maps, create and manage groups, create a Story Map Journal web app, and learn how to work with ArcGIS Collector. Included in the course is an optional lesson on further exploring Story Maps by creating a Tour App. ****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.**
- **July 25, 2018 at 10:00 am – 4:00 pm (Mountain Time)** [Survey 123 Form Creation](#) (Technical - GIS) **Forest Service Only** Create survey forms for the Survey123 app using the Survey123 web application and Survey123 Connect. Create simple smart forms with relevant questions and drop down lists. Customize the look of your form. Analyze resulting survey data and create AGOL map. A Forest Service ArcGIS (AGOL) account and Survey123 Connect software are required for this course. Audience: Forest Service employees ready to move their paper and electronic forms into Survey123.
- **July 26, 2018 at 10:00 am – 4:00 pm (Mountain Time)** [ArcGIS Pro for ArcMap Users](#) (Technical - GIS) **Forest Service Only** New Course! ****USFS organizational account for AGOL and ArcGIS Pro required, see other info for more details**** This course is designed as a crosswalk between using ArcGIS Desktop and ArcGIS Pro. This course provides a hands on introduction to participants of Pro's new user interface and project management. Participants will walk through common workflows previously performed in ArcMap/Catalog such as navigation, editing, analysis, sharing, symbolizing, creating a layout, geoprocessing, importing maps and data, and querying. ArcGIS Pro is a projects based application. A project contains maps, layouts, layers, tables, tasks, tools, and connections to servers, databases, folders, and styles. Projects can also incorporate content from your organization's Portal or ArcGIS Online accounts.

The Vermont Department of Forest, Parks, and Recreation is recruiting for a Forester III in the field of Forest Health Protection. Major duties include designing and conducting forest health and pest surveys, diagnosing tree health problems, conducting forest pest control programs, and providing forest health information to a variety of audiences. The person in this position will respond to public inquiries, develop pest management recommendations, analyze and archive data, prepare scientific reports and environmental assessments, coordinate co-workers and volunteers, supervise temporary staff, follow up on quarantine issues, consult governmental and private partners, conduct outreach through a variety of media, and make educational presentations. The position requires substantial knowledge of forest insects and diseases. It also requires strong organizational, interpersonal, and communication skills, the ability to work both independently and collaboratively, and to work in remote and urban forested environments. Candidates must be willing to apply pesticides, conduct surveys in small aircraft, and travel occasionally out-of-state. This position is located in Rutland, VT. This is a permanent, full-time position. To view the full job specifications, which is Job Opening #623290, please visit the [Job Specifications](#) page. Candidates *must apply online* by June 5, 2018 through the [Vermont Dept of Human Resources website](#) to be considered. For further information contact Barbara Schultz, Forest Health Program Manager, at barbara.schultz@vermont.gov or 802-777-2082. *The State of Vermont is an Equal Opportunity Employer. Applications from women, individuals with disabilities, veterans, and people from diverse cultural backgrounds are encouraged.*

PUBLICATIONS OF INTEREST

1. The 2017 Forest Health Highlights publications for [California](#), [Hawai'i](#), and [United States-related Pacific Islands](#) are now available and can be accessed by clicking on the links included here.

FOR MORE FHM INFORMATION

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