

Forest Health Monitoring Program Monthly Update Supplement December 11, 2019

UPCOMING WEBINARS

(Items beginning with * indicate a new listing or new 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. The courses are also divided into five categories. The categories are indicated after each web link in the list below as follows: **GIS-Desktop**; **GIS-Web**; **GIS-Mobile**; **Remote Sensing**; and **Data management**.

All class registrations can be accessed via the [CATALOG WEBPAGE](#).

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 (SM.FS.geotraining@usda.gov) and they will register you manually.

- **January 7, 2020 at 10:00am – 4:00pm (Mountain Time). Collector for ArcGIS in the Forest Service (**Technical** - GIS-Mobile) **Forest Service Only**** This introductory webinar covers GPS data collection using the Collector app on a tablet or cell phone. The GIS data and online map setup for Collector are also introduced.
- **January 7-8, 2020 at 10:00am – 4:00pm (Mountain Time). ArcGIS 10.5 – Quick Start (**Technical** - GIS-Desktop)** 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.
- **January 8, 2020 at 10:00am – 10:30am (Mountain Time). Existing Vegetation Classification, Mapping, and Inventory Technical Guide (EVTG) Modules (**Lightning Talk** - Remote Sensing).**

- **January 9, 2019 at 10:00am – 4:00pm (Mountain Time). Introduction to ArcGIS Online (Technical - GIS-Web) Forest Service Only** This course covers the basics of using ArcGIS Online (AGOL). Students will learn how to make a map in AGOL, how to work in groups, what roles are, and then how to take a map offline to use in a mobile app like collector. Finally we will create a web app to view our completed map. The objectives of this course are to understand the role of ArcGIS Online as a component of the US Forest Service's implementation of web-based services; and to gain an understanding of the administration of ArcGIS Online, publishing of map services, and the process to create web maps and web applications that we can share with others. ****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.

Job Opportunities

The Research Corporation of University of Hawai'i (RCUH) is currently advertising a Forest Pathologist position. This position is a regular full-time position with the Pacific Cooperative Studies Unit (PCSU), located at the United States Department of Agriculture (USDA) Forest Service, Institute of Pacific Islands Forestry on the island of Hawai'i. Continuation of employment is dependent upon program/operational needs, satisfactory work performance, availability of funds, and compliance with applicable Federal/State laws. Duties: Develops, designs, conducts, and evaluates experimental research documenting all aspects of a complex major forest pathogen detection, evaluation, prevention, and control program for diseases such as Rapid Ohia Death (ROD). Utilizes Microsoft Word and Excel, database programs, and mapping systems to conduct experimental research. Experimental research includes field and laboratory experiments towards determining the means and conditions by which these pathogens develop and spread – both locally and regionally. Analyzes data through statistical methods. Techniques involve (but are not limited to): isolation, culturing and maintenance of pathogen cultures and culture collections; use of traditional (cultural, morphological), serological [Enzyme-linked immunosorbent assay (ELISA) and Immunostrips] and nucleic acid [polymerase chain reaction (PCR), real-time PCR, and sequencing] techniques for pathogen identification with certainty; inoculation of trees for pathogenicity studies; disease ratings; and determination and evaluation of management techniques that might be effective. Researches and investigates the mechanisms by which pathogens develop and spread. Identifies issues that could arise and determines solutions to combat ROD. Develops current, effective, environmentally safe, and economically sound disease management alternatives that are consistent with specific land management objectives where reduction of pathogen effects is desirable. Assesses status and efficacy of forest disease prevention, and adjusts strategies and methodologies. Occasionally travels out-of-state and internationally. Presents data at national and international meetings. Publishes results in peer-reviewed, scientific and trade journals. Participates in

grant and fellowship applications. Cultivates good relationships with funding agencies to develop opportunities for continued funding. If interested, see the complete job announcement on the [RCUH website](#), click on “Job Postings” and enter ‘Forest Pathologist’ in the keywords search line. The closing date is **December 17, 2019**. Questions about the position can be directed to Rob Hauff (Robert.d.hauff@hawaii.gov). *RCUH’s mission is to support and enhance research, development and training in Hawai‘i, with a focus on the University of Hawai‘i.*

Equal Opportunities Employer – Minorities/Women/Disability/Veteran.

The State of Hawai‘i Department of Land and Natural Resources, Division of Forestry and Wildlife is looking for a full-time civil service Survey Forester position (Hawai‘i Resource and Survey Forester) located in downtown Honolulu. This position independently provides technical and consultation forestry services to both State and private land managers and timber processors. Such information is integral in supporting commercial timber land management, harvesting and processing; non-timber forest product production and revenue stream development; marketing; and public, private and partner collaboration and outreach. The position provides specialized technical information that (1) guides natural resource policy decisions and economic development, (2) encourages sound forestry practices on State and private lands, (3) supports the establishment and sustainability of forest industries, (4) drives negotiations between suppliers and consumers of forest resources, and (5) supports aerial and ground forest health surveys. The position is located in Honolulu; and will provide services State-wide. Recruitment will hopefully be open in early 2020. Inquiries and resumes can be sent to Irene Sprecher (irene.m.sprecher@hawaii.gov). *Equal Opportunities Employer – Minorities/Women/Disability/Veteran.*

FOR MORE
FHM
INFORMATION

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