

National FHM Workshop 2020 – Raleigh, NC “Expanding Partnerships”

FINAL AGENDA

Monday February 24, Holiday Inn, Room TBA

4:00 – 6:00 p.m. **Newcomer Orientation** - Learn about the history, purpose, structure and current activities of FHM. Introduce entire Management Team – who, where, what they do.

Tom Eager, Management Team. Everyone welcome.

Tuesday February 25 Natural History Museum

8:30-8:40 – **Welcome & Intent and value of the workshop.** Tom Eager, FHM National Program Manager.

8:40-8:45 - **Housekeeping and Safety.** Kelly Oten, NC Forest Service

8:45-9:00 - **Welcome from NC State Forester** David Lane

9:00-9:30 - **The State of the Forest in North Carolina** – geography of NC, NC Forest Service, how they conduct FHM, major pests and forest health issues, etc. Kelly Oten.

9:30-9:45 **National, Regional I&D Data Summary 2019** – Tom Eager & FHM Management Team

9:45-10:00 Break

10:00-11:30 – Plenary Session 1: Demos, New Tools and Technology Part I: *Karen Ripley, Moderator*

2019 Report on Remote Sensing Technologies that have National Value and Promise – Ryan Hanavan, USFS-FHM, Interior West Region

Satellite Imagery, Forwarn and State Partner Outreach – Bill Christie / Bill Hargrove / EFETAC

Use of Collector and Survey 123 software for Southern Pine Beetle monitoring - Chip Bates and/or Michael Torbett, Georgia Forestry Commission

11:30 – 1:00 Lunch

1:00 – 2:00 – Plenary Session 2: Demos, New Tools and Technology Part II: *Amanda Grady, Moderator*

Vegetation Classification, Mapping, and Quantitative Inventory (VCQM) – Case study with Douglas-fir tussock moth - Laura Lowery, USFS, R1/4

Unmanned Aircraft System support with forest health monitoring and communication - Tom Eckberg, Idaho State Lands

Weighted Severity Analysis Approach for Aerial Survey Reporting- Joel Egan, USFS, R1/4

2:00-3:15 –Plenary Session 3: FHM/FIA integration. *Frank Koch and Chris Asaro, Moderators*

Use of pest dashboards – Examples from East and West. Randy Morin, USFS, NRS

Case Studies and New Opportunities for using FIA Data in Forest Health Assessments - Andy Gray, Research Ecologist, USFS, PNW Research Station, Corvallis, Oregon

3:15-3:30 Break

3:30 – 5:00 – Plenary Session 4: Highlights of EM Projects *Amy Gannon, Moderator*

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Population Genetics and Conservation of Carolina Hemlock - Robert Jetton, CamCore, NCSU

Sugarberry decline in the South - Mike Ulyshen - USFS, SRS

Southern Pine Beetle Range Expansion into the Northeastern US – Matt Ayers, Dartmouth

Juniper Blister Rust/limber pine – Steve Kannenberg, University of Utah

Wood boring Beetle Colonization of Conifers Killed by Fire and Bark Beetles: Implications for Forest Restoration and Black-Backed Woodpecker Conservation - Chris Ray, Research Ecologist, Institute for Bird Populations

Wednesday February 26, Natural History Museum

8:30 – 09:30 Plenary Session 5: FHM on the National Forest System – What/Where/How?
Chris Asaro, Moderator

Inventory, Monitoring, and Assessment of the National Forest System in the Southern Region - Emrys Treasure, USFS, Region 8

The Rust Resistance Network for Western Pines – Richard Sniezko, Geneticist, USFS R6, Dorena Genetic Resource Center, Cottage Grove, Oregon

09:30-10:15 – FHAAS / DMSM / NIDRM Update – Erin Berryman, Frank Krist, Bill Monahan (FHAAS). Products currently available. NIDRM Future direction: Target users; intended purpose; development strategy; timeline.

Break 10:15-10:30

10:30-12:00 - Focus Groups with Resolutions

Focus Group 1: Report from ADS Standards Update Team – *Jeff Mai and Tom Eager, Moderators*
Content of this session is still being developed but may include items of interest to the Aerial Survey community such as incorporating and standardizing remotely sensed data, drones, apps and other new tools and technology into the FHM data collection stream.

Focus Group 2: A Vision for Future FHM Reporting – *Barbara Conkling and Frank Koch, Moderators*

Overall Purpose(s): To gather information from a cross-section of FHM participants about what products and other reporting tools are currently needed and wanted for FHM to be effective, including what products currently being used are useful, and to recommend to the Management Team specific tasks to advance and improve the reporting component of FHM.

12:00-1:30 Lunch

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1:30-3:00 Plenary Session 6: Citizen-Based Partnerships in Monitoring Forest Health – *Amanda Grady and Jeri Lyn Harris, Moderators*

Monitoring for Spotted Lanternfly Using Survey 1,2,3 – Eric Day, Insect ID Lab, Virginia Tech

Monitoring invasive plants and weed bio-control programs- Carol Randall, USFS R1/4

Sudden Oak Death Blitizes: 12 years of a transformative Citizen Science monitoring program - Matteo Garbelotto, UC Berkley

Break 3:00-3:15

3:15-5:00 Regional Breakout Sessions – SO, NA, IW, WC

Holiday Inn, Room TBA

7:00 – 9:00 pm Poster Session. *Amy Gannon, Organizer*

Thursday February 27, Natural History Museum

8:30-9:30 Plenary Session 7: USDA Climate Hub –*Michael Gavazzi and Frank Koch, Moderators*

Climate Hub Activities and Products – Michael Gavazzi, USDA Climate Hub, Raleigh, NC

Climate Change Impacts in Alaska – Jason Moan, Alaska DNR, Division of Forestry

09:30-10:00 Review of previous action items from Phoenix - actions completed or in progress – *Tom Eager, FHM Management Team*

10:00-10:30 Focus Group Resolutions and New Action Items - including updates on old items not yet addressed – *Tom Eager, FHM Management Team*

10:30 – 10:45 Break

10:45-11:15 Meeting wrap up, Closing Statements – *Tom Eager, FHM Management Team*

11:15 – 11:45 Muster for Field trip. Pick up pre-ordered lunches and board buses.

11:45 – 4:30 Field trip. Sites are 30 minutes apart. Buses will go separately to each site and then alternate to keep groups smaller.

Site 1: Hemlock bluffs at Cary Nature Center, 30 minutes from Raleigh

Site 2: Pure stand of planted ash with mature EAB infestation – research projects on site, 22 minutes from Raleigh.