Tuesday, May 21, 2019

Workshop Opens

0730 - 0800  Registration
0800 - 0810  Greetings and Logistics (Lauren Pile, 2019 NSW Chair, NRS)
Moderator: David Gwaze (National Silviculturist, WO)
0810 - 0820  Welcome Address - Chief Christiansen
0820 - 0830  Welcome Address - Forest Supervisor Darla Lenz
0830 - 0840  Tribal Welcome: Mike Smith, Tribal Elder, Leech Land Band of Ojibwe
0840 - 0910  Joint Keynote Address: *Keeping Context in Natural Resource Management*
             Joe (Eric) Davis (Assistant Director, Integrated Vegetation Management, WO)
             Toral Patel-Weynand (Director, Sustainable Forest Management Research, WO)
0910 - 0940  Invited Presentation: *Telling Better Science Stories*
             Paul Hessburg – Research Landscape Ecologist (USDA-FS PNW)
0940 - 1010 BREAK
1010 - 1110  Panel Discussion: *Forest Industry Sector*
             Moderator: Robert Deal (Research Forester, PNW Research Station)
             Panelist: Brian Brashaw (Program Manager for the Forest Products Marketing Unit,
                     Forest Products Laboratory)
             Panelist: Karl Welch (Timber Program Manager/Timber Sale Contracting Officer
                     Chequamegon-Nicolet National Forest)
             Panelist: Paul DeLong (Senior Vice President for the American Tree Farm System &
                     Conservation at the American Forest Foundation)
             Panelist: Rick Horton (Director of Forest Policy for Minnesota Forest Industries)
Moderator: Tom Schuler (National Program Leader for Silviculture Research, WO)
1110 - 1140  Invited Presentation: *Silviculture in a Complex Management Environment: A Forest Supervisor’s Perspective*
             Paul I.V. Strong (Forest Supervisor, Chequamegon-Nicolet National Forest)
1140 - 1240 LUNCH
1240 - 1340  Panel Discussion: *National Advanced Silviculture Program: forging unique partnerships to train silviculturists*

Panel Leads: David Gwaze (WO NFS) and Marcella Windmuller-Campione (University of MN)

Panelists (NASP Directors):
- Marcella Windmuller-Campione and Eli Sagor (University of Minnesota)
- John Bailey (Oregon State University)
- Kevin McGarigal (Landeco Consulting) and Sam Cushman (RMRS)
- Wayne Clatterbuck (University of Tennessee)

Panelists (Former NASP Students):
- Josh Hanson (Allegheny NF-NASP10)
- Chad Fitton (Wayne NF-NASP9)
- Katherine Reynolds (Tongass NF-NASP9)
- Jason Jerman (Idaho Panhandle NF-NASP3)

1340 - 1400  BREAK

1400 - 1500  Panel Discussion: *Innovations in Partnerships and Tribal Forest Management*

Moderator: Michael Dockry (USFS)
Panelists:
- Mike Benedict (BIA)
- Alexandra Wrobel (GLIFWC)
- Keith Karnes (LLBO)

1500 - 1530  BREAK

1530 - 1630  Panel Discussion: *Experimental Forests, Ranges, and Natural Areas*

Moderators:
- John Kabrick (Research Forester, NRS) and Andrea Hille (Forest Silviculturist, Allegheny National Forest)
- Terrie Jain (Research Forester and Scientist-in-Charge, RMRS)
- Don Bragg (Research Forester and Project Leader, SRS)
- Jason Rodrigue (Forest Silviculturist, North Carolina NFs)
- John Riling (Forest Silviculturist, Boise NF)

Moderator: Brian Palik (Research Ecologist, NRS)

1630 - 1700  Invited Presentation: Adaptive silvicultural strategies for black ash forests threatened by the introduced emerald ash borer

Tony D'Amato (Professor, University of Vermont)

1700 - 1710  Closing Day Remarks (Lauren Pile, NRS) & Field Trip Overview (Gary Swanson, Forest Silviculturist, Chequamegon-Nicolet National Forest)

1730 – 2100 Poster Session/Meet & Greet/Social
Wednesday, May 22, 2019

Field Tour: Chippewa National Forest and Cutfoot Experimental Forest

The Chippewa National Forest and Cutfoot Experimental Forest Field Tour will include several stops highlighting research or activities geared toward restoration. Commercial timber operations have been integral to many of these. Three buses will be used on a staggered schedule. All buses will travel the same route and visit the same sites.

- **Bus 1** departs Sanford Center at 7:00 AM and returns at 5:00 PM
  Bus host: Jim Gubbels, Timber Program Manager
- **Bus 2** departs Sanford Center at 7:30 AM and returns at 5:30 PM
  Bus host: Jim Gries, Natural Resource Team Leader
- **Bus 3** departs Sanford Center at 8:00 AM and returns at 6:00 PM
  Bus host: Audrey Gustafson, Zone Silviculturist

**Stop 1 Reforestation:** Travis Jones, Zone Silviculturist; Josh Krecklau, Reforestation Technician

**Stop 2 Ash Research Project:** Dr. Tony D’Amato, University of Vermont; Gary Swanson, Forest Silviculturist; Rob Slesak, Minnesota Forest Resources Council, Josh Kragthrope, NRS Technician

**Stop 3 Growing Stock Study:** Dr. Brian Palik, NRS Research Ecologist; Doug Kastendick, NRS Ecologist; Jim Parma, Marketing Manager, Bell Timber, Inc.

**Stop 4 Zon Memorial:** Dr. Linda Nagel, Colorado State University

**Stop 5 American Elm Research Project:** Dr. Charlie Flower, NRS Research Ecologist; Dr. Cornelia Pinchot, NRS Research Ecologist; Gary Swanson, Forest Silviculturist

**Stop 6 Adaptive Silviculture for Climate Change (ASCC):** Dr. Brian Palik, NRS Research Ecologist; Dr. Linda Nagel, Colorado State University & Josh Kragthrope, UMN Research Fellow

**Stop 7 Variable Retention Harvesting Study – Tamarack Point:** Dr. Tony D’Amato, University of Vermont; Doug Kastendick, NRS; Keith Karnes, LLBO Forester

**Stop 8 Timber Sale:** Greg Van Orsow, Timber Operations Team Leader; Brian Bignall, Wood Procurement Manager – Potlatch Deltic

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**18:30 - 20:30  Dinner and Awards Ceremony**

**1900 - 1930** Special Presentation: Reflections of forest management-research partnerships in context of the National Silviculture Workshop by Two Old Guys

Richard “Fitz” Fitzgerald (NFS-WO, Forest Management, Forest Products) Russell Graham (Research Forster, Rocky Mountain Research Station)

**1930 - 1940** Special Presentation: *Why Science and National Forest System Partnership in Natural resource Management is important*

Carlos Rodriguez-Franco (Senior Forester, Research and Development, WO)

**1940 - 2030** Presentation of National Awards
Thursday, May 23, 2019

Workshop Opens
0730 - 0800

Moderator: Dan Dey (Research Forester and Project Leader, NRS)
0800 - 0840 Keynote Address: Forest Service R&D-NFS-University Partnerships: Meeting a Shared Vision
   Linda Nagel (Colorado State University)
   Brian Palik (USDA Forest Service, Northern Research Station)
0840 - 0940 Panel Discussion: An overview of Forest Products Modernization and a discussion on the business aspects of the role of silviculture and DxP in the delivery of forest products
   Moderator: Dave Cawrse (WO NFS)
   Panelist: Robyn Darbyshire, R6 Regional Silviculturist
   Panelist: Jeff High, R8 Sales Forester
   Panelist: Janet Hinchee, R8 Regional Silviculturist
   Panelist: Jim Parma, Eastern Fiber Manager for Bell Timber Company, and current Chair of Federal Timber Purchasers Committee
   Panelist: Jim Youtz, R3 Regional Silviculturist
0940 - 1010 BREAK

Concurrent Session A

<table>
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<tr>
<th>Time</th>
<th>Room 1 (Silviculture Partnerships)</th>
<th>Room 2 (Forest Management &amp; Planning)</th>
<th>Room 3 (Services, Products, and Getting It Done)</th>
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<tbody>
<tr>
<td>1010 - 1030</td>
<td>Managers and scientists unite to sustain oak in upland hardwood forests on the Daniel Boone National Forest, Kentucky Schweitzer</td>
<td>Using Historical Reconstructions of Moist Mixed Conifer Forests to Inform Forest Management on the Malheur National Forest Lindsay</td>
<td>Integrating ecosystem services into sustainable forest management of public and private lands Deal</td>
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<td>Time</td>
<td>Concurrent Session B</td>
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| 1030 - 1050 | Silvicultural strategies and tactics to control an invasive exotic species—replacing loblolly pine with shortleaf pine on the Ouachita NF in Arkansas and Oklahoma  
  **Guldin** |
|          | Enhancing Planning Rule Assessment, Planning, and Monitoring with the Forest Inventory and Analysis Program  
  **DeRose** |
|          | Nontimber forest product management and research in an era of climate variability: Delivering benefits to the public  
  **Emery** |
| 1050 - 1120 | An assessment of silvicultural strategies used in Minnesota over the past 25 years  
  **Windmuller-Campione** |
|          | Using Forest Inventory and Analysis Data and the Forest Vegetation Simulator in Support of Forest Planning  
  **Shaw** |
|          | Application of the Good Neighbor Authority; A tool to increase the pace and scale of Forest Restoration  
  **Glick** |
| 1120 - 1140 | Research and management partnerships for resolving regeneration and recruitment challenges in hardwood–softwood mixtures  
  **Kabrick** |
|          | FIA-based state and transition modeling to inform forest management in Region 3  
  **Pelz** |
|          | Timber Use, Processing Capacity, and Capability within USDA Forest Service, Region Two Timber-processing Area  
  **Simmons** |
| 1140 - 1240 | LUNCH |

### Concurrent Session B

| Time     | Room 1 (Fire)  
  **Moderator: Lauren Pile** | Room 2 (Lessons Learned from LTSP)  
  **Moderator: John Kabrick** | Room 3 (Silviculture, Adaptation & Monitoring)  
  **Moderator: Bob Deal** |
|----------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| 1240 - 1300 | Managed reforestation to successfully restore the wildfire-killed forests: What should we worry about the most?  
  **Zhang** | North American Long-Term Soil Productivity Study: A National Forest System and Research Collaboration  
  **Dumroese** | Accelerating Late-Successional Characteristics in the Goosenest Adaptive Management Area  
  **Ritchie** |
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<tr>
<th>Time</th>
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<th>Session B</th>
<th>Session C</th>
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| 1300 - 1320| Impacts of prescribed fire on overstory timber at the end of the rotation in oak-dominated forests  
**Saunders** | Long-Term Soil Productivity Study: Vegetation response to varying degrees of disturbance in aspen-dominated forest spanning the Upper Lake States  
**Curzon** | Adapting Bottomland Hardwood Forests to a Changing Climate  
**Brandt** |
| 1320 - 1340| Prescribed fire management in eastern forests: are we using the right fire frequency prescription?  
**Wang** | Soil properties across a Lake-states soil textural gradient 25 years after organic matter removal and soil compaction  
**Slesak** | UAS for Post-treatment Monitoring in Dry Site Mixed Conifer Stands  
**Burnett** |
| 1340 - 1400| Applicability of the shelterwood-burn technique to the mixed-oak forests of the Allegheny National Forest  
**Brose** | An Ontario Example of Adaptive Management: lessons learned from nearly 30 years of collaborative site productivity research  
**Morris** | Sharing the load to develop young growth silviculture for forage and biodiversity in southeast Alaska  
**Crotteau** |

1400 - 1430  
**BREAK**

**Concurrent Session C**

| Time       | Room 1 (Genetics, Forest Threats & Reintroductions)  
**Moderator: Marcella Windmuller-Campione** | Room 2 (Shared Stewardship and Collaborative Research)  
**Moderator: Tom Schuler** | Room 3 (Partnerships in Restoration)  
**Moderator: Carrie Sweeney** |
|------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| 1430 - 1450| A new look at some old shortleaf pine progeny tests: silvicultural opportunities through partnerships  
**Bragg** | Pairing Science and Management at Rocky Mountain Research Station: Partnering for science-based shared stewardship  
**N. Clark** | Landscape Restoration on the Boise Basin Experimental Forest  
**Jain** |
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<tr>
<td>1450 - 1510</td>
<td>Restoration of the American chestnut will require more than a blight-resistant tree</td>
<td>S. Clark</td>
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<td>A Partnership to Take on Climate Change: Adaptation Forestry and Conifer Strongholds in the Northwoods</td>
<td>White</td>
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<td>Restoring Colorado Front Range Forests: Co-production and Shared Stewardship</td>
<td>Battaglia</td>
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<td>1510 - 1530</td>
<td>Partnering to improve outcomes from resistance breeding: the blister rust model in Minnesota</td>
<td>Pike</td>
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<td>Building a regional science framework to support landscape scale conservation in Southeast Ohio</td>
<td>Bartig</td>
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<td>Adaptive management – research partnerships to restore shortleaf pine mixedwoods</td>
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<td>1530 - 1550</td>
<td>Developing DED-Tolerant American Elm and Restoration of the Urban-Rural Landscape</td>
<td>Flower</td>
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<td>Factors Effecting Forest Stand Structure and Health on the Allegheny National Forest and Collaborative Strategies to Provide for Resilient Forests</td>
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<td>Restoration of Mixed Shortleaf Pine-Hardwood Stands Through Multi-Cohort Silviculture</td>
<td>Clatterbuck</td>
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1550 - 1610  BREAK

1610 - 1710  Panel Discussion: Forest management and research collaboration today and in the future
Co-Moderator: Tom Schuler (National Program Leader for Silviculture Research)
Co-Moderator: David Gwaze (National Silviculturist)
Panelist: Nehalem Clark (Science Delivery Specialist, RMRS)
Panelist: Mark Bethke (Planning Director, Region 4)
Panelist: Beth Larry (Research Assistant Director, NRS)
Panelist: Jarel Bartig (Ohio Interagency Liaison, Wayne NF)
Panelist: Toral Patel-Weynand (Director of Sustainable Forest Management Research)

1710 – 1715  Closing Remarks (Lauren Pile & David Gwaze)