

Establishing Resilient Forests for California's Future: Reforestation Symposium

Thursday, November 29th, 2018

[USFS Wildland Fire Training & Conference Center](#)
Thirty Mile Meeting Room (N106)



United States Department of Agriculture
California Climate Hub



UNIVERSITY of CALIFORNIA
**Agriculture &
Natural Resources**



Summary: Within the past decade, the state's forests have experienced drastic changes due to destructive and severe wildfires, a 1,000-year drought, and the associated stressors that come with a changing climate. With a detailed understanding of the marked pace of change conditions, this symposium is focused around issues related to reforestation strategies and practices to increase the adaptive capacity of tomorrow's forests. This event will provide a forum where experts and managers can share results, advancements, and experiences related to reforestation to help frame these important future forest management actions. We will address topics including: 1) reforestation today for future resilient forests; 2) tools and resources for reforesting California forests; and 3) shaping useful reforestation science and tools for managers – an exercise in co-production.

SYMPOSIUM AGENDA

Thursday, November 29th

Opening Remarks and Welcome: The Value of Climate-Informed Reforestation Strategies & Recognition

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| 8:00 AM –
8:20 AM | <ul style="list-style-type: none">• Chris Fischer, Deputy Director State and Private Forestry, USFS• Steven Ostoja, Director, USDA California Climate Hub• John Exline, Director Ecosystem Management, USFS• Ken Pimlott, Director, CAL FIRE• Jim Branham, Executive Officer, Sierra Nevada Conservancy | Thirty Mile
(N106) |
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National and Regional Reforestation Policy, Priorities and Challenges (Moderator: Joe Sherlock, Regional Silviculturist, USFS)

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| 8:20 AM –
9:15 AM | <ul style="list-style-type: none">• Nicole Balloffet, National Reforestation and Nursery Manager, USFS• Joe Sherlock, Regional Silviculturist, USFS• Marty Gmelin, Forest Silviculturist, USFS | Thirty Mile
(N106) |
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How is Climate Influencing & Shaping Forests and Reforestation? (Moderator: Michelle Coppoletta, Assistant Province Ecologist, USFS)

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| 9:15 AM –
10:15 AM | <ul style="list-style-type: none">• Michelle Coppoletta, Assistant Province Ecologist, USFS• Kevin Welch, Research Staff, UC Davis• Emily Moran, Assistant Professor, UC Merced• Malcolm North, Research Forest Ecologist, USFS PSW | Thirty Mile
(N106) |
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**10:15 AM –
10:30 AM** **Break**

Panel Discussion: What Does Reforestation Look Like in the Future? (Moderator: Jim Branham, Executive Officer, Sierra Nevada Conservancy)

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| 10:30 AM –
11:30 AM | <ul style="list-style-type: none">• Ramiro Rojas, Assistant Regional Silviculturist, USFS• Martin Ritchie, Research Forester, USFS PSW• Eric Sprague, Director of Forest Conservation, American Forests• Susie Kocher, Forestry/Natural Resources Advisor, UCCE• Bob Rynearson, Lands Manager, W.M. Beaty & Associates, Inc. | Thirty Mile
(N106) |
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Summary & Key Take-Aways from Morning

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| 11:30 AM –
11:35 AM | <ul style="list-style-type: none">• Chris Fischer, Deputy Director State and Private Forestry, USFS• Steven Ostoja, Director, USDA California Climate Hub | Thirty Mile
(N106) |
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**11:35 AM –
1:00 PM** **Lunch**

Reforestation Tool Lightning Round

(Moderators: Lara Buluç, Sustainable Operations & Co-Climate Change Coordinator, USFS and Steven Ostoja, Director, USDA California Climate Hub)

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| 1:00 PM –
1:50 PM | <ul style="list-style-type: none">• Richard Harris, Consulting Forester, Eldorado RCD & Mark Egbert, District Manager, Eldorado RCD: Reforestation Needs Assessment• James Thorne, Research Scientist, UC Davis: An Approach to Updating the Seed Zone Map | Thirty Mile
(N106) |
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- Peter Stine, USDA California Climate Hub: Climate-Smart Reforestation Strategy/Guidebook
- Martin Ritchie, Research Forester, USFS PSW: OP-Yield (Growth and Yield) Model
- Kristen Shive, Senior Scientist, Save the Redwoods League: Post-Fire Reforestation Planning Tool
- Bill Stewart, Cooperative Extension Specialist, UCCE: California Reforestation Manual Update

Breakout Group Sessions

(This breakout is structured as two, 50-minute rotations. Each participant is asked to self-select a group at the beginning of each round, but participants may change groups mid-session if one wishes to engage with all groups/topics.)

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| 1:50 PM –
3:50 PM | <ul style="list-style-type: none"> • <u>Group 1: Where?</u> <ul style="list-style-type: none"> ○ Where (on the landscape or microsites) should reforestation occur? Where should we prioritize reforestation? ○ Key Considerations: limited resources, potential changes in site productivity, stakeholder priorities, landscape scale perspectives, natural regeneration. ○ Moderators: Dana Walsh, Silviculturist, USFS & Marc Meyer, Province Ecologist, USFS | <u>Group 1:</u>
Guide
(N115) |
| | <ul style="list-style-type: none"> • <u>Group 2: What?</u> <ul style="list-style-type: none"> ○ What should we plant? ○ Key Considerations: seed zones and the role of assisted migration. ○ Moderators: Stewart McMorrow, Deputy Chief Forestry Assistance, CAL FIRE & Jessica Wright, Research Geneticist, USFS PSW | <u>Group 2:</u>
Inaja
(N116) |
| | <ul style="list-style-type: none"> • <u>Group 3: How?</u> <ul style="list-style-type: none"> ○ How can we ensure that reforestation succeeds? ○ Key Considerations: competing vegetation, fuels management, application of fire to young forests, and herbicides. ○ Moderators: Rita Mustatia, Silviculturist, USFS & Rob York, Research Stations Manager, UCCE | <u>Group 3:</u>
Banning
(N117) |

**3:50 PM –
4:00 PM** **Break**

**4:00 PM –
4:30 PM** **Moderator-Led Breakout Group Report Outs** Thirty Mile (N106)

**4:30 PM –
4:45 PM** **Closing Remarks**

- Chris Fischer, Deputy Director State and Private Forestry, USFS Thirty Mile (N106)
- Steven Ostoja, Director, USDA California Climate Hub