**Restoration Prioritization Models, Tools, Frameworks, and Products: How can they be used to inform landscape planning?**

***Sponsored by the USFS PNW Research Station and R6 NFS/RO***

***June 28, 2016 8:30 am – 4:00 pm***

This one-day session will explore **restoration prioritization models, tools, frameworks, and products**.   The discussion will be focused on how their characteristics might inform planning efforts at the project to plan revision scale.

**Location: USFS Regional Office 1A Meeting Room. Edith Green Building,** **1220 SW 3rd Avenue, Portland**

**Planning Committee:** Max Wahlberg, R6 FS Analyst; Kim Mellen-McLean, R6 FS Wildlife Ecologist; Josh Chapman, R6 FS Wildlife Program Manager; Paul Anderson, Program Manager, FS PNW Station, Corvallis.

 **AGENDA**

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| **Time** | **Topic** | **Speaker** |
| 8:30 – 8:45 | Introductions and why we are here | Cheryl Friesen, USFS Science Liaison with the Planning Committee  |
| 8:45 – 9:00 | Building a common vocabulary | Bruce Marcot, PNW Research Station, Portland |
| 9:00 – 9:15 | Management sideboards and interests for planning at different scales | Max Wahlberg, FS R6 Analyst and Clint Emerson, Botanist, Rogue Siskiyou NF  |
| 9:15 – 9:45 | TNC/USFS R6 Departure Analysis | Ryan Haugo, TNC |
| 9:45 – 10:00 | Break |  |
| 10:00 – 10:30 | Rogue Basin Cohesive Forest Restoration Strategy  | Kerry Metlen, TNC |
| 10:30 – 11:00 | EMDS | Keith Reynolds and Paul Hessburg, USFS, PNW |
| 11:00 – 11:30 | Landscape Treatment Designer (and a nod to ENVISION) | Alan Ager, USFS, RMRS |
| 11:30 – 12:00 | Using remote sensing to predict tree decline | Nancy Grulke, USFS, WETAC |
| 12:00 – 12:30 | Working Lunch – pizza provided |  |

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| **Time** | **Topic** | **Speaker** |
| 12:30 – 1:00 | A wildfire risk assessment framework and its application to fuel and fire management planning | Joe Scott, Pyrologist |
| 1:00 – 2:00 | Small group break-outs for evaluations | See list below of small groups and forms for review |
| 2:00 – 3:30 | Small group reporting and discussionBreak in here somewhere… | All |
| 3:30 – 4:00  | Discussion: what tools meet management needs? Group key findings, summary, and next steps | Cheryl Friesen, USFS Science Liaison and all |

**Small Group Discussions**

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| **Small Group Leader** | **Paul Anderson** | **Josh Chapman** | **Max Wahlberg** | **Kim Mellen-McLean** | **Jane Kertis** | **Emily Platt** |
| **Tool Author** | Joe Scott | Kerry Metlen | Ryan Haugo | Nancy Grulke | Alan Ager | Paul Hessburg |
|  |  |  |  |  |  |  |
| **Group Members** |  |  |  |  |  |  |
|  | Mark Stern | Robyn Darbyshire | Rick Stratton | Kevin James | Richard Heliwell  | Allison Reger |
|  | Clint Emerson | Steve Acker | JamesDickinson  | Ray Davis | Tara Umphries | Craig Goodell |
|  | Laura Mayer | Bruce Marcot | David Bell | Pat Hochhalter | Anne Poopat-anapong | Chad Atwod |
|  | Brian Fulfrost | Tanner Jessell | Ana Barros | Kevin Vogler | Derek Churchill | Darren Borgias |
|  | Paul Hessburg | Keith Reynolds | Borys Tzack | Katherine Smith | Bryce Kellogg | Cindy Miner |
|  | Nancy Grulke | Joe Scott | Sharon Stanton | Kerry Metlen | Bill Gaines | Ryan Haugo |

**Draft draft**

**MODEL/PRODUCT/TOOL/FRAMEWORK EVALUATION CRITERIA**

Tool Reviewed:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Small Group Members: Please listen carefully to the presentation for the tool you have been assigned to review. Record comments below related to your understanding based on what you hear. There will be a chance to get clarification with the presenter later in the day.

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| **Criteria** | **Review Comments** |
| Tool Objectives |  |
| Processes Modeled |  |
| Vegetation classification used |  |
| Treatment of uncertainty |  |
| Spatial options/landscape size limits |  |
| Required inputs and possible outputs |  |
| Scenario comparison capability/ease |  |
| Compatibility with other modeling systems |  |
| Documentation/training/ease of use/user interface |  |

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| **Criteria** | **Review Comments** |
| Planning horizon capability – how many years out can it “look”? 10, 50, 100? |  |
| Need for researchers to run the model |  |
| Data requirements: existing? readily available? |  |
| Feasible with existing computing capability? |  |
| How simple is it to understand outcomes? |  |
| Are the drivers obvious and sensitivity known? |  |
| Is it transparent? Any black boxes? |  |
| Can the model predict trends, or would other tools need to generate products to feed in for evaluation? |  |