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| usfs | **Exploring Visualization Tools for Communicating Natural Resource Management Information**  *April 19, 2017. Portland State University* | PNW Clean Logo.jpg |

***Sponsored by the USFS Region 6 Landscape Architecture and Ecology Programs and the***

***USFS Pacific Northwest Research Station***

***Goal****: To demonstrate some existing tools and discuss shared interests around communicating natural resource science and management issues.*

***Audience****: Practitioners, researchers, and academics interested in utilizing visualization tools to facilitate resource management communication.*

***Location****: Portland State University, Visualization Studio.* ***See details for location and parking at bottom of agenda.***

***Social gathering afterwards for those who want to continue the dialogue.***

**AGENDA**

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| **Time** | **Topic** | ***Speaker highlighted speaker joining us remotely*** |
| **9:00 – 9:15** | Introductions and shared interests. | ***Cheryl Ann Friesen****, Science Liaison, USFS* |
| **9:15 – 9:25** | Portland State University Data Visualization Studio. | ***Vivek Shandas****, Professor Urban Studies and Planning, and Research Director for Institute for Sustainable Solutions, Portland State University* |
| **9:25 – 9:55** | Visualizing to meet Visual Quality Effectiveness Obligations in British Columbia. | ***Ken Fairhurst****, Resource Design Inc.,*  *Vancouver BC Canada* |
| **9:55 – 10:25** | Using the Visual Nature Studio 3 software to assist with communicating landscape restoration. | ***James Dickinson****, Ecologist, Okanogan-Wenatchee National Forest* |
| **10:25 – 10:40** | Break |  |
| **10:40 – 11:10** | Comparing Structure from Motion (SfM) Derived 3D Models to Aerial and Terrestrial LiDAR in Forestry Applications. | ***Monika Moskal****, Associate Professor of Remote Sensing Associate Director, School of Environmental and Forest Sciences, Univ. of WA* |

**Exploring Visualization Tools: Agenda Continued**

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| **Time** | **Topic** | ***Speaker*** |
| **11:10 – 11:45** | Telling climate Stories with DataBasin and other CBI tools. | ***Dominique Bachelet****, Senior Climate Change Scientist, Conservation Biology Institute* |
| **11:45 – 1:00** | **Lunch on Own** |  |
| **1:00 – 1:30** | Storyboarding/Story Mapping: catching on as a creative, impactful method to communicate multi-faceted information. | **Chaochung Tsai**, *Web Tools Specialist, Region 6, Forest Service* |
| **1:30 – 2:00** | Visualizations using Google Earth, Sketchup, and Autocad. | ***Kevin Colby****, Landscape Architect, Arapaho & Roosevelt NF and* ***Kelly Ortiz****, Landscape Architect, Rio Grande NF* |
| **2:00 – 2:30** | Connecting the dots: data, simulation and realism. | ***Bob McGaughey,*** *Research Forester, USDA Forest Service, Pacific Northwest Research Station, Vegetation Monitoring and Remote Sensing Team* |
| **2:30 – 3:00** | Integrating video with GOOGLE EARTH imagery to tell dynamic stories. | ***Gary Grimm****, Mountain Visions* |
| **3:00 – 3:15** | **Break** |  |
| **3:15 – 3:45** | A place for virtual reality in communicating natural resource management. | ***Erica Smithwick*** *and* ***Alexander Klippel*,** *Penn State University* |
| **3:45 – 4:15** | Using VISTAS\* to explore data on topographically complex landscapes.  (\*Visualization of Terrestrial and Aquatic Systems) | ***Chad Zanocco****, PhD Student, OSU* |
| **4:15 – 5:00** | Discussion: moving forward to integrate visual tools into our work. | *Facilitated by* ***Brad Cownover****, USFS R6 Landscape Architect, and* ***Emily Lauderdale****, R6 Landscape Architect* |

**LOCATION:** [Data Visualization Studio](https://www.pdx.edu/sustainability/data-visualization-studio) (DVS).

**Portland State University, Institute for Sustainable Solutions**

**Market Center Building, 1600 SW 4th Avenue, room 123, Portland, OR  97201**

**Enter the building on 4th avenue through the main building doors.  From there, walk straight past the elevators and take a right.  The room is a few feet past that turn on the left (only door after turn the corner).**

**The best bet is to park in a nearby parking garage.  PSU has several parking garages for visitors where they can pay either an hourly or daily rate - see the** [**PSU Visitors Hourly Parking**](https://www.pdx.edu/transportation/hourly-visitor-parking) **website for info on locations & rates.  There is limited visitors parking on the B1 level at the Market Center Building for anyone that wants to park here however it is a bit spendy at $13/day.  Parking Structure 1 is the closest PSU parking lot to the building and Parking Structure 3 is the least expensive.**