



Exploring Visualization Tools for Communicating Natural Resource Management Information

April 19, 2017. Portland State University



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

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
11:10 – 11:40	Using LiDAR data to demonstrate stand and landscape treatments.	Russ Chapman , GIS Specialist, Bureau of Land Management

Exploring Visualization Tools: Agenda Continued

Time	Topic	Speaker
11:40 – 12:10	Telling climate Stories with DataBasin and other CBI tools	Dominique Bachelet , Senior Climate Change Scientist, Conservation Biology Institute
12:10 – 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. McGaughey	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 , 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](#) (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](#) 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.