



OREGONVIEW 2022 - 2023

AmericaViewSM
Empowering Earth Observation Education
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OREGONVIEW 2022 - 2023 ACTIVITIES

In celebrating 50 years of Landsat, OregonView led outreach and education activities highlighting the generational significance of the Landsat Program, emphasizing topics that are of particular significance in the Pacific Northwest. A notable example—and the focus of recent outreach events—is the Moon Tree at Oregon State University, which was planted from seeds that orbited the Moon on Apollo 14 in 1971. Coinciding nearly exactly with the start of the Landsat program in the early 1970s, the Moon Tree provides a unique focal point for discussions of landscape change in the Pacific Northwest over a period of half a century. Students and citizen scientists have the opportunity to place themselves on the Landsat timeline and to assess landscape change that has occurred over their lifetimes. In analyzing regional changes brought about by droughts, wildfires, urbanization, and other causes, participants can also look forward in time and consider how Earth observation data can aid in making predictions for the future.



USGS EROS 50 "Eyes on Earth" podcast given by OregonView State Coordinator, Peder Nelson.

The topic of generational science enabled through the Landsat Program was further explored by OregonView State Coordinator, Peder Nelson, in a USGS EROS "Eyes on Earth" podcast, titled "Generational Science." OregonView gave 8 presentations at the Pecora 2022 conference and led workshops, citizen science, and outreach events throughout the year, all supporting the theme of generational science through a half century of Landsat and Earth observation.



The Moon Tree at Oregon State University has served as a focal point for outreach and citizen science events related to the theme of "Generational Science through 50 Years of Landsat."

OregonView is a member of the AmericaView Consortium, a nationally coordinated network of academic, agency, non-profit, and industry partners and cooperators that share the vision of promoting and supporting the use of remote sensing data and technology within each state. AmericaView is funded by USGS grant agreement G18AP00077.

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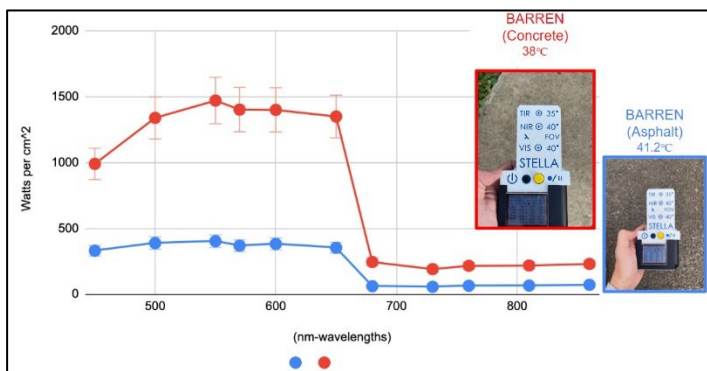
AmericaView Website:
www.AmericaView.org
Christopher McGinty, Executive Director:
chris.mcginty@americaview.org
Lisa Wirth, Program Director:
lisa.wirth@americaview.org
John McGee, Board Chair:
jmcg@vt.edu

BENEFITS TO OREGON

Oregon State University PhD student, Selina Lambert, completed an Oregon Museum of Science and Industry (OMSI) Science Communication Fellowship. As an OMSI Science Fellow, Selina developed a “City of Portlandville” surveying puzzle, which was used in recent events, and is currently planning new geospatial outreach activities. OregonView led or contributed to multiple recent workshops and citizen science events focused on science relevant to the Pacific Northwest. Topics have included community observations of clouds, land cover, tree height, mosquito habitat, snow, and rain. Recently, OregonView obtained two STELLA handheld spectrometers, which will be used in upcoming workshops, classes, and citizen science events.



“City of Portlandville” game board developed by OSU PhD student and OMSI Fellow, Selina Lambert.



STELLA handheld spectrometer surface measurements.



Citizen science event focused on winter snow and ice observation.

OREGONVIEW CONSORTIUM MEMBERSHIP

The OregonView consortium membership comprises leaders in the remote sensing and geospatial information communities within Oregon and extends across the government, commercial and academic sectors. Member organizations include: Oregon Department of Parks & Recreation (OPRD), USGS Forest & Rangeland Ecosystem Science Center, Oregon Framework Implementation Team (FIT), Oregon Geospatial Enterprise Office (GEO), Portland State University (PSU), Oregon State University (OSU) College of Engineering, College of Forestry, and College of Earth, Ocean, and Atmospheric Sciences.



Oregon State
University



Nature
HISTORY
Discovery

Federal consortium members identified above do not receive funding from AmericaView.

OregonView Principal Investigator:

Christopher Parrish

Oregon State University

541-737-5688

Christopher.Parrish@oregonstate.edu



<http://research.engr.oregonstate.edu/parrish/oregonview>