



OREGONVIEW 2021 - 2022

AmericaViewSM
Empowering Earth Observation Education
americaview.org

OREGONVIEW 2021 - 2022 ACTIVITIES

The 50th Anniversary of Landsat is an extraordinary milestone in Earth observation and science, both globally, and in our home state of Oregon. Leveraging the Earth Observation Day (EOD) Gameboard, "Rivers: Our National Water Resource," co-designed by Oregon State University PhD student, Selina Lambert, OregonView led a number of activities around the theme: **thinking in time series**.

The EOD Game was introduced at an EOD Celebration, co-hosted by OregonView and OSU's Student Chapter of the American Society for Photogrammetry and Remote Sensing (ASPRS), and enhancements were developed throughout the year with participant feedback. Through multiple outreach and education events, including an EOD Game presentation at the ASPRS Virtual Conference, OregonView has helped inform students and stakeholders about space-based observations of a changing Earth.



OSU PhD student, Selina Lambert, gives coastal remote sensing presentation at a SCUBAnauts 2022 event.



OregonView's Peder Nelson and Prof. Robert Kennedy discuss space-based observations of a changing Earth in Globe program videos.

OregonView State Coordinator, Peder Nelson, organized and led multiple sessions related to the "thinking in time series" High Impact Activity (HIA) at GeoFest2022, an event sponsored by OregonView member, Nancee Hunter, at the Center for Geography Education in Oregon. This event was attended by 48 teachers. Presentations and workshops included: "Teaching Cause and Effects with the Landscape Change Monitoring System" by Peder Nelson and Austin Michelbrink; "Oregon as Art: Celebrating 50 years of Views of Oregon from Space (Or: You Can Teach Any Topic with Satellite Images!)" by Peder Nelson; and "Introducing and Demonstrating EOD Game" by ASPRS Student Chapter member, McKenzie Kramer. The "Oregon as Art" presentation stemmed from work that OregonView conducted collaboratively with University of Hawai'i in an "Earth as Art" eight-week class.

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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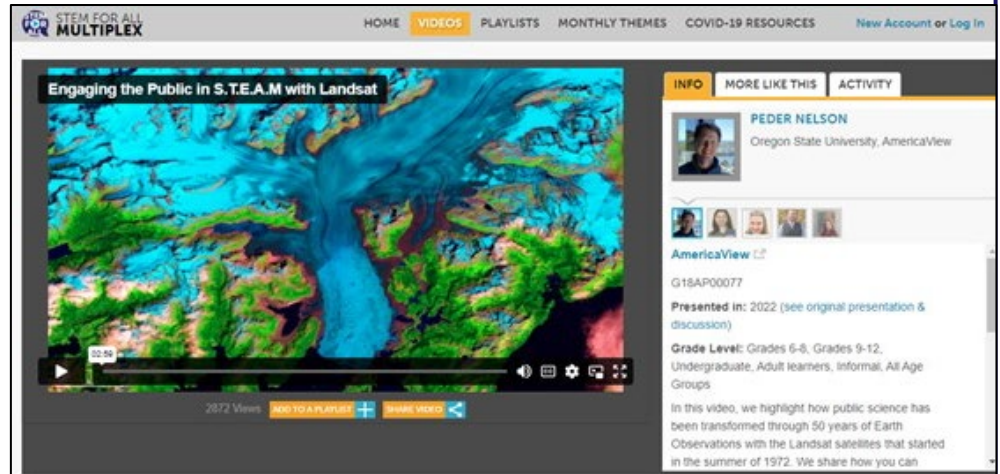
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BENEFITS TO OREGON

STEM outreach and citizen science are central to OregonView's mission. A 2022 STEM For All Multiplex showcase, "Engaging the Public in S.T.E.A.M. with Landsat," featured OregonView's Peder Nelson. This video highlights how science has been transformed through 50 years of Landsat, and how participants can become actively engaged in citizen science, using the NASA-supported GLOBE Observer mobile app and AmericaView and USGS data and resources. OregonView members were also featured in two Globe Program videos: Land Cover Challenge Wrap Up and Carbon Cycle and Ecosystem Change.

OregonView's 2022 outreach activities also included:

- Gave two presentations at the AGU 2021 Fall Meeting on OregonView's previous activities in satellite derived bathymetry
- Led a Working Group on the 50th Landsat Anniversary celebrations
- Gave presentations at the JALBTCX 2022 Coastal Mapping and Charting Workshop



A 2022 STEM For All showcase, "Engaging the Public in S.T.E.A.M.," highlights how science has been transformed through 50 years of Landsat

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



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

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