Oregon Lakes Association Fall 2020 Conference Series
Online virtual meeting agenda

Wednesday, October 28, 3:00 - 4:30 pm
CyanoHABs: remote sensing and prediction: *Introduction, Dan Sobota*

3:05 *Brian Fulfrost* and Dan Sobota, Oregon DEQ, **Monitoring and early detection of harmful algal blooms (HABs) in Oregon from space: a case study of successes, challenges and opportunities**

3:25 *James Watson* and Mat Titus, The Prediction Lab, College of Earth, Ocean and Atmospheric Sciences, Oregon State University, **Operational water quality forecasts using lots of small data and machine learning**

3:45 *Nick Tufillaro*, College of Earth, Ocean and Atmospheric Sciences, Oregon State University, **Looking at Oregon Lakes from Sentinel-2**

4:05 *Amalia Handler*, Jana Compton, Ryan Hill, Scott Leibowitz, US EPA, **Remotely sensed cyanobacterial intensity predicts likelihood of lake blooms and toxins across the contiguous U.S.**

Wednesday, November 4, 3:00 - 4:30 pm
Conservation of Oregon lakes: *Introduction, Theo Dreher*

3:05 Andy Kerr, The Larch Company: ***Challenges and opportunities for conserving and protecting Oregon's lakes***

3:30 Lisa Brown, Staff Attorney, WaterWatch of Oregon: ***Oregon water law and lakes: potential tools for maintaining and restoring lakes***

3:55 Marcelle Shoop, Director, Saline Lakes Program, National Audubon Society, Salt Lake City: ***Sustaining Great Basin saline lake ecosystems***

Tuesday, November 10, 3:00 - 4:30 pm
CyanoHABs, genetics and physiology: *Introduction, Theo Dreher*

3:05 Tim Otten, Bend Genetics, 20 min, ***Public health monitoring of cyanobacteria: cost savings via Q-PCR and a tiered testing strategy.***

3:30 Lara Jansen, Portland State University, Ph.D. student and 2019 OLA Scholarship recipient. ***The potential roles of regional, catchment, and local scale factors on phytoplankton communities in montane lakes.***

3:50 Kevin Bladon, Associate Professor, Department of Forest Engineering, Resources, and Management, Oregon State University, ***Wildfire effects on water quantity, water quality, and aquatic ecology from forested headwaters to downstream reservoirs***

4:15 Lindsay Collart, Department of Microbiology, Oregon State University, Ph.D. student and 2020 OLA Scholarship recipient. ***Proof of concept: Use of volatile organic compounds to predict toxic HAB trajectories at Upper Klamath Lake, OR***.

Zoom meeting information (opens 10 minutes before the listed meeting time)

Topic: Oregon Lakes Association conference session 1: Cyano HABs
Time: Oct 28, 2020 03:00 PM Pacific Time (US and Canada)

Join Zoom Meeting
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Password: 823804

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Meeting ID: 923 6033 1654

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Topic: Oregon Lakes Association conference session 2: Lake conservation
Time: Nov 4, 2020 03:00 PM Pacific Time (US and Canada)

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Topic: Oregon Lakes Association conference session 3: Cyano HABs
Time: Nov 10, 2020 03:00 PM Pacific Time (US and Canada)

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