



LOGISTICS

[Zoom Link \(Both Days\)](#)

If you need to access via telephone or other accommodations, please refer to your registration email.

[Miro Board](#)

Digital forum for conversation, brainstorming, networking. Please join!

DAY 1: Thursday October 20, 2022			
Session Title	Time	Speaker	Title/Abstract
Welcome!	1:00	Katie Remine Woodland Park Zoo	Expanding Impacts - What and Why?
Impacts on Participants: Moderated by Mike Smith, Seattle Aquarium	1:15	Dr. Liz MacDonald NASA Goddard Space Flight Center	Tracking aurora with citizen scientists since 2014: In the last decade, smartphones and social media have opened a new age for scientific research. Since 2014, the Aurorasaurus citizen science platform has engaged thousands of everyday people to contribute to improving our collective knowledge about the Northern and Southern Lights. This presentation will provide an overview of the Aurorasaurus project.
	1:30	Lara Tukarski Pacific Education Institute	Monitoring Puget Sound Water Quality: A Model for Integrating Citizen Science into K-12 Instructional Practices Each year, thousands of students in the southern Puget Sound region participate in a yearlong, multi-county initiative to monitor the water quality of local streams. Learn how this project is incorporated into classroom instructional frameworks, how the data is shared with the local scientific community, and about the implications of this programming on student growth.
	1:45	Chelsea Behymer Oregon State University	Are citizen science experiences inherently authentic? A proposed framework for considering the perceived authenticity of a developing community science activity integrated in an environmental education program: NatureBridge & Elwha River monitoring.
	2:00	Session Q&A	
	2:15	BREAK Continued on Page 2	

Thursday October 20, 2022 - Continued

Session Title	Time	Speaker	Title/Abstract
Impacts on Management Decisions: Moderated by Daryl Nault, Maryland University of Integrative Health	2:30	Jeff Everett U.S. Fish and Wildlife Service	Bumble Bees and the Endangered Species Act: Leveraging the Best Available Information for Management Decisions: this presentation will review the current status of ESA-listed and petitioned bumble bees in the United States, discuss the significant life history knowledge gaps with direct relevance to conservation, and the expanding efforts to fill those gaps – including citizen science.
	2:45	Katie Holzer City of Gresham	Management changes based on results of amphibian surveys of stormwater ponds: The City of Gresham has conducted three years of community science surveys for amphibian breeding at natural and constructed wetlands. Amphibian egg surveys lend themselves well to community science because they are easy to view up close and to distinguish among species. In addition to increasing community awareness of these urban habitats, the results of the surveys have helped to inform management decisions such as when and how to dredge sediment from stormwater settling ponds and what features to include in the design of new constructed wetlands.
	3:00	Laura Guderyahn Portland Parks and Recreation	Macroinvertebrate & Freshwater Mussel Surveys: Data gathered on macroinvertebrates in a Portland area watershed is being used to assess the success of a Department of Environmental Quality capping remediation project. Data from freshwater mussel surveys is being used to assess the success of the big culvert project from 2018. There are lots of volunteers involved in surveying for these rare critters that most folks don't know exist - and we are finding amazing results!
	3:15	Session Q&A	
	3:30	BREAK	
Evaluating Impacts: Moderated by Lindsey Wise, Portland State University	3:45	Dr. Heather Fischer Oregon State University	Program Evaluation 101: This presentation aims to help practitioners conduct evaluations of their citizen science project, highlight the key steps involved in planning an effective evaluation, and Share resources to continue the learning.
	4:15	Laura Brandt Aurorasaurus	Applying a Science Products Inventory: Citizen science includes both qualitative and quantitative elements across a rich multitude of dimensions. Robust evaluation is important for this growing field. This presentation explores the application of two frameworks—the quantitative Science Products Inventory by Wiggins et al., and qualitative BASIK—to the Aurorasaurus citizen science project.
	4:30	Session Q&A	
Closing!	4:45	Rich Hatfield The Xerces Society	Expanding Impacts - What and Why?
	4:50	BREAK	
Social Hour!	5:00 – 6:00	Light-hearted meet and greet for 2022 PNW CitSci Summit participants Grab an appetizer/late tea and drop in for informal conversation to share projects and explore collaboration. For example: We can explore how best to match project needs with expertise, resources and data. We'll also briefly check out the miro board and discuss.	

DAY 2: Friday October 21, 2022

Session Title	Time	Speaker(s)	Title/Abstract
Welcome	8:30	Lara Tukarski Joey Hulbert	Future Impacts
Increasing Impact Through DEI: Moderated by Miguel Rodriguez, OMSI	8:45	Dr. Todd Harwell Portland State University	Welcoming and Supporting LGBTQ+ Participants: Informed by an interview study with 14 LGBTQ+ citizen science participants from a variety of projects across the US, this presentation will share insights into their experiences and strategies for engaging LGBTQ+ individuals and members of other historically marginalized communities in citizen science.
	9:00	Monika Derrien USDA Forest Service Weston Brinkley Green-Duwamish Watershed Ambassador	Collaborative community science biomonitoring for urban air quality: The Duwamish Valley moss biomonitoring study is a community science investigation into air quality in Seattle's Georgetown and South Park neighborhoods, where residents experience higher levels of air toxins than others in the city. We describe how a community science collaborative—comprised of scientific researchers, community advocates, government officials, and others—have advanced local environmental health and justice priorities by adapting an established moss biomonitoring protocol for use by youth and community leaders.
	9:15	Miguel Rodriguez OMSI	Session Q&A and Reflection
	9:45	BREAK	
Expanding Impacts Through Partnerships: Moderated by Susan Hawes, City of Portland	10:00	Mariia Dvornikova & Katie Remine Miami University of Ohio & Woodland Park Zoo	Achieving Amphibian Monitoring Data Management Through Partnerships: We will discuss data issues in citizen science projects, using an example of an Amphibian Monitoring program and how we worked on resolving these issues during a graduate internship. We will share the outcomes that were achieved both for the graduate student and for the project and project stakeholders.
	10:15	Jessica Bean UC Berkeley	Inquiry with FieldScope: Partnerships and Opportunities for Teaching and Learning with Community and Citizen Science Data - FieldScope is a community and citizen science platform for producing, visualizing, and analyzing data, allowing users to explore the data they collect to understand the world around us. The FieldScope team partners with diverse projects across the country to enhance the use of data in both informal and formal education. We are excited to learn about your projects and provide an overview of our suite of tools!
	10:30	Dr. Andony Melathopoulos Oregon State University	Oregon Bee Atlas: Statewide inventory of native bees with volunteer Master Melittologists: The Oregon Bee Atlas is the largest bee biodiversity survey program in the US. High quality data is generated through volunteers trained through an intensive program and certified as Master Melittologists. The success of the program to delimit the range of many previously unknown species of bees demonstrates how the capacities of volunteers to do advanced tasks is frequently underestimated.
	10:45	Session Q&A	
	11:00	BREAK	
		Continued on Page 4	

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Building PNW Community: Moderated by Joey Hulbert, Washington State University	11:15	Teri Lysak Cascadia Wild	Building PNW community through Cascadia Wild's Wolverine Tracking Project: This community science project collects data on rare carnivores (Sierra Nevada red fox, wolves, marten, wolverine) on the Mt Hood National Forest, through the use of trail cameras, snow tracking, and scat surveys. The species we study are animals that many people are attracted to, and the project uses our work to remind people of the importance of wildlife conservation. Community building is an important aspect of the project, especially around the skill of wildlife tracking – an ancient skill that is exceptional in connecting people with the natural world.
	11:30	Dr. Joey Hulbert Washington State University	History of the PNW CitSci and the citizen science community in the Pacific Northwest
	11:35	Session Panel Discussion: What next?	Featuring: Mike Smith , Seattle Aquarium; Heather Fischer , Oregon State University; Daryl Nault , Maryland University of Integrative Health; Susan Hawes , City of Portland; Myriem Le Ferrand , Economics for Peace Institute
Closing	11:55	Justin Bush Washington Invasive Species Council	Future Impacts