

# Art, Science and Education: The revolutionary forces of culture and science



Emily Bosanquet, Assistant Professor  
Director of the Art & Science Initiative,  
Pacific Northwest College of Art  
OISC November 13, 2018.

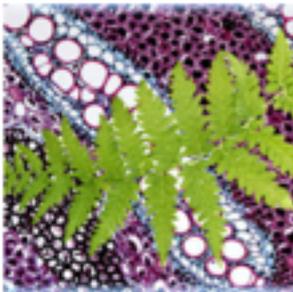


### Art and Algae: A panel presentation with Justseeds Artist & NOAA Scientist

Mar 22, 2017 12:30 PM – 1:30 PM

PNCA's Art + Science Initiative welcomes NOAA oceanographer Vera Trainer, NOAA Fisheries Communication Programs Manager, Ruth Howell and Justseeds Artist, Roger Peet to talk about their work and introduce the Art+Science Student Fellowship + Seattle Science Center Residency for Summer 2017.

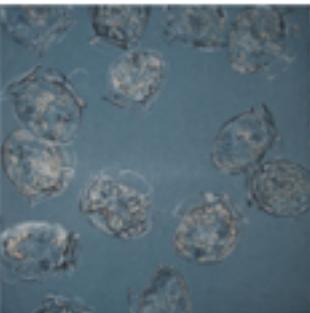
Fall 2017



### NatureCulture: Art + Ecology + Science at PNCA

Nov 2, 2017 12:00 AM – Nov 19, 2017 12:00 AM

[Details on the PNCA + MoCC Calendar](#)



### PNCA Artist Talks on Art + Science

Nov 6, 2017 6:30 PM – 8:00 PM

[Details on the PNCA + MoCC Calendar](#)



### NOAA: Art + Design Campaign For Sustainable Fisheries

Nov 28, 2017 1:00 PM – 2:00 PM

Join us for a presentation by NOAA Fisheries scientists and administrators about the successes and challenges of sustainable seafood and how you can be involved.

[Details on the PNCA + MoCC Calendar](#)

# Partnerships:

National Oceanic & Atmospheric Administration:

Oregon Washington California  
EPA ....

Oregon Department of Agriculture  
Oregon Bee Project

Oregon Environmental Council

Coastal Discovery Center, Newport Oregon  
Oregon Museum of Science & Technology (OMSI)

West Willamette Restoration  
Partnership

Aquarium of the Pacific



**NOAA**

William Stelle, former Regional Director of NOAA Fisheries NW Region  
Mary Lou Soscia, EPA Columbia River Coordinator



**Dr. Bill Peterson - Newport Research Center  
NOAA's Pacific Marine Operations**

Artists-in-residence move out of the classroom and into the field. The field can a boat, a lab, a forest or a farm



Ardis DeFreece artist in residence with NOAA Fisheries, Hatfield Marine Science Center



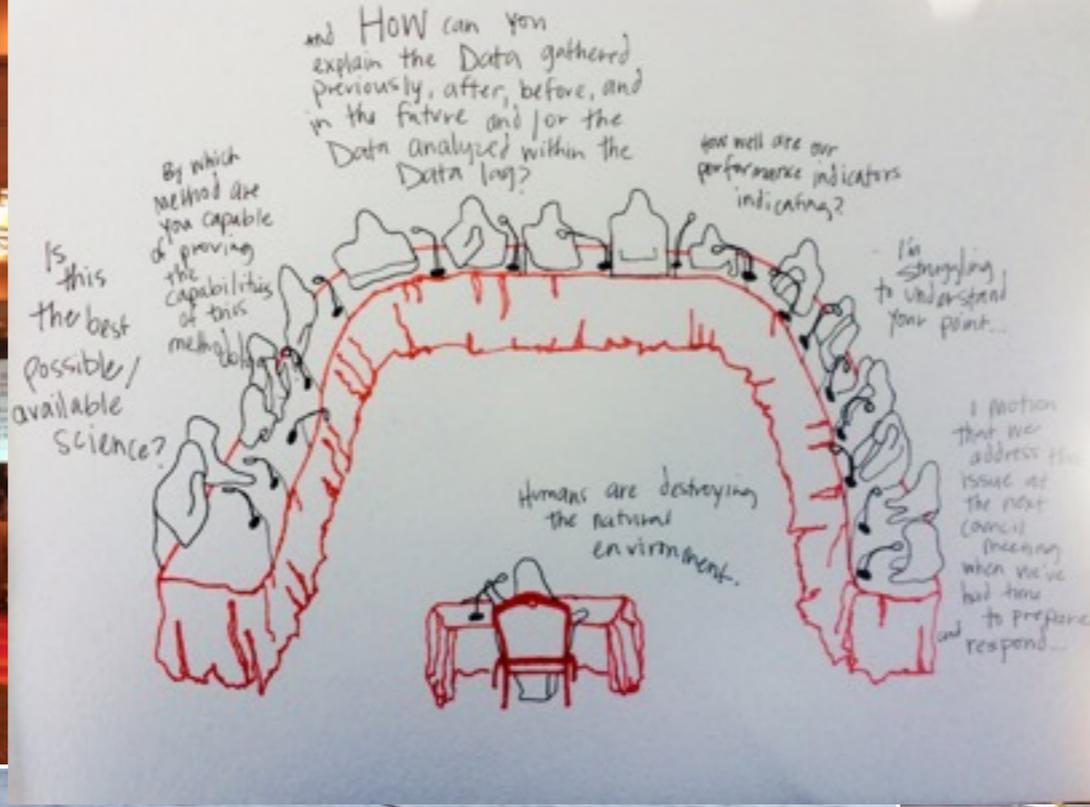


PBDEs persist

Concentration

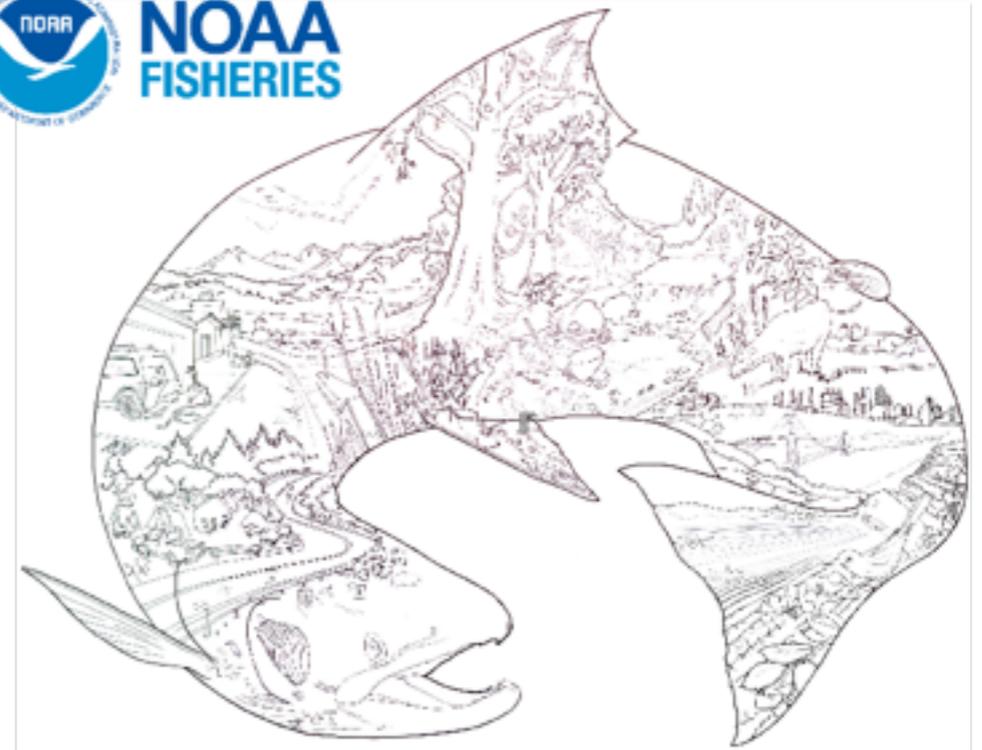
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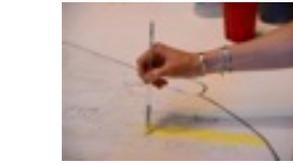
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Esteban Camacho Steffensen's  
“paint by number” mural,  
engages community in co-  
creating a salmon mural  
detailing the river ecosystem  
and impacts of their own  
watershed.





Corvallis, Oregon



Long Beach,  
California







# Urban Forests: A Complex History of Human Intervention



Egg Dahl

in collaboration with the  
West Willamette Restoration Partnership

Spring and Summer 2017





Willing to research and explore history and raise questions about conquest and capitalism

# Connecting Portland's Urban Forests



created by egg dahl



A healthy forest consists of a variety of plants and animals, most of which are native to the area. A healthy forest with more **biodiversity** is more **resilient**.

**Biodiversity:** the range of different animal and plant species within an ecosystem.

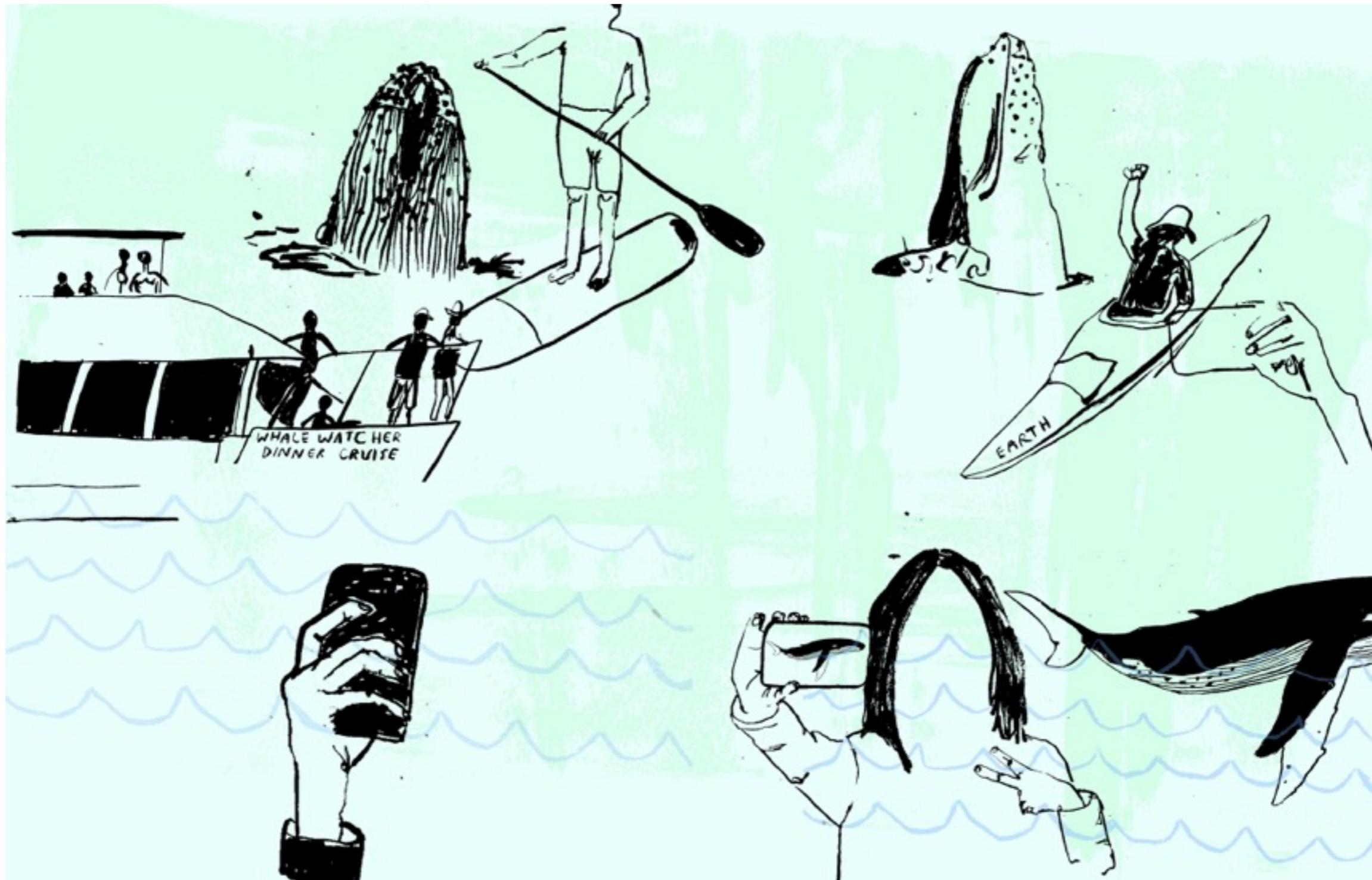
**Resilience:** the ability for an ecosystem to bounce back after a disturbance, such as a landslide, storm damage, fire, and trail impacts.

## *Healthy forests are diverse and resilient*



For more information visit [www.WestWillamette.org](http://www.WestWillamette.org)  
Funded in partnership with the Metro Nature in Neighborhoods Grant Program.

Product: Experience, conversation, and a series of 4 posters showing a cycle of degradation, restoration leading to a healthy forest.



## Tale of Two Species 2015-2016

Students Shelby Smith and Michelle Guthrie work with NOAA examine our relationship with marine mammals along the Southern California coastline.

don't blow it

STAY 100 YARDS AWAY



How far should surfers, kayakers and boaters stay away from whales?



# Speak my language - word out to surfers & boaters



e &



# Cross-pollination

Collaborating across culture, language, and discipline



Molly Alloy, PNCA student. Oregon Bee Project

# Cross-pollination

developed by artist Molly Alloy

\* **Affinity work - relating to bees**

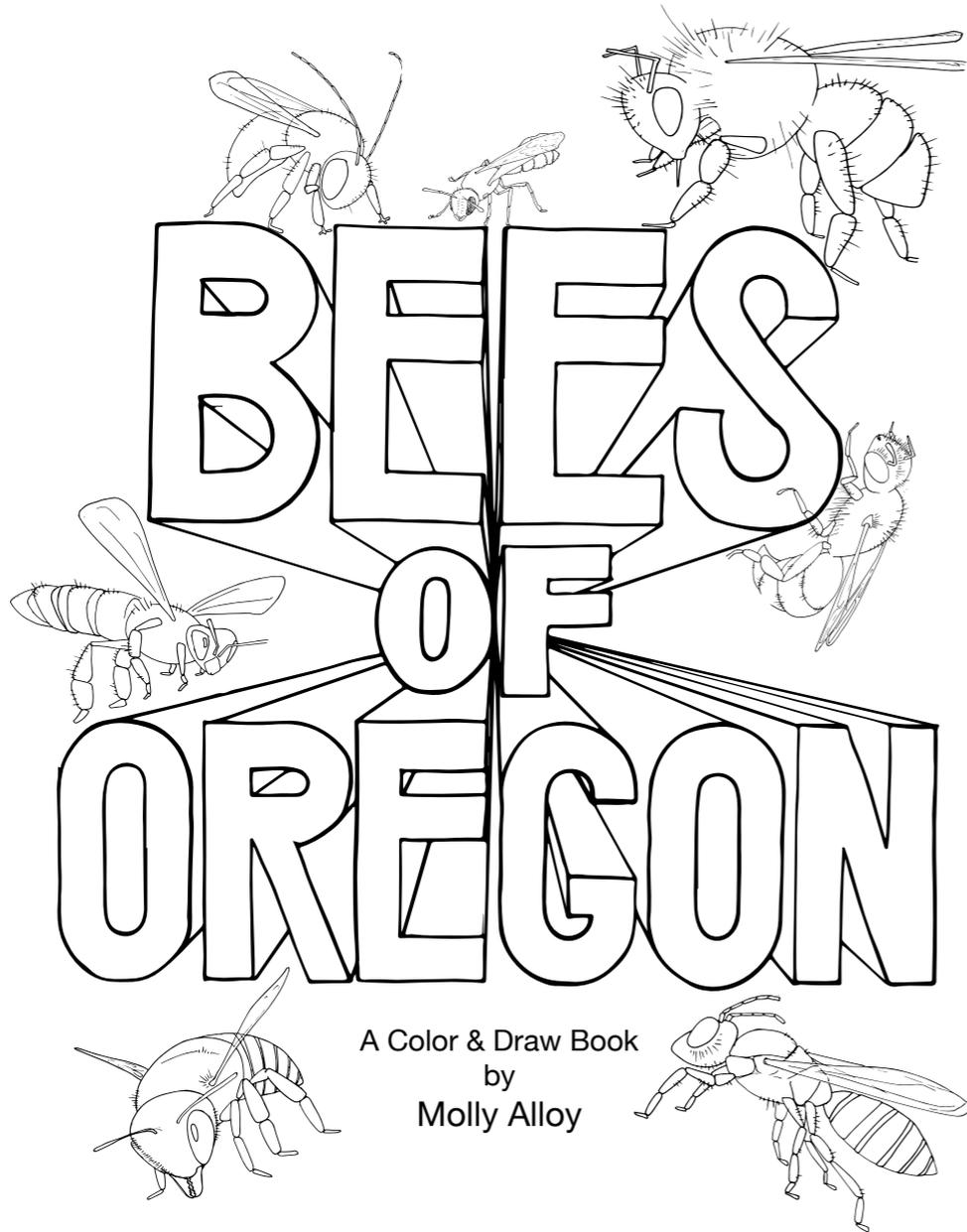


\* **Farm Workers, Bees & Pesticides**



\* **Color collection based on entomologists' tools.**





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WHAT  
KIND OF  
BEE  
ARE YOU?

Project goals of getting folks to feel more connected to bees, understand their diversity and the essential role bees have in ecology and agriculture - leads to affinity work.



Community Festival Pollinator Week



## Piñeros y Campesinos Unidos de Noroeste

### Farmworkers and Tree Planters Union of the Northwest

A conversation in Spanish, between PCUN's President, Ramon Ramirez, and Gilbert Uribe of the Department of Agriculture explored ways in which pollinators and farm workers face similar threats, deserve to have their respective needs met, and each play an essential role in the survival of agricultural lands and economies of Oregon.



Oregon Bee Project - Oregon Department of Agriculture, Sarah Kincaid  
and Anondy Melathopoulos Oregon State University

Embedded artists come to learn science, the scientists and the process but they can offer something in return - a larger cultural perspective with multiple vocabularies, diverse media and an expanded audience



Anke Gladnick - connecting the diverse cultural celebration of around the migration of salmon to highlight California's native salmon runs. Illustration book and curriculum developed for 4-5th graders.

Artists and designers create the bridges between scientists and the public and so invite novel ways of apprehending and understanding our environment and foster consciousness about the world we want to create.



Thank you

