THE PEW CHARITABLE TRUSTS

Integrating Blue Carbon into State Climate Actions: Oregon's Experience

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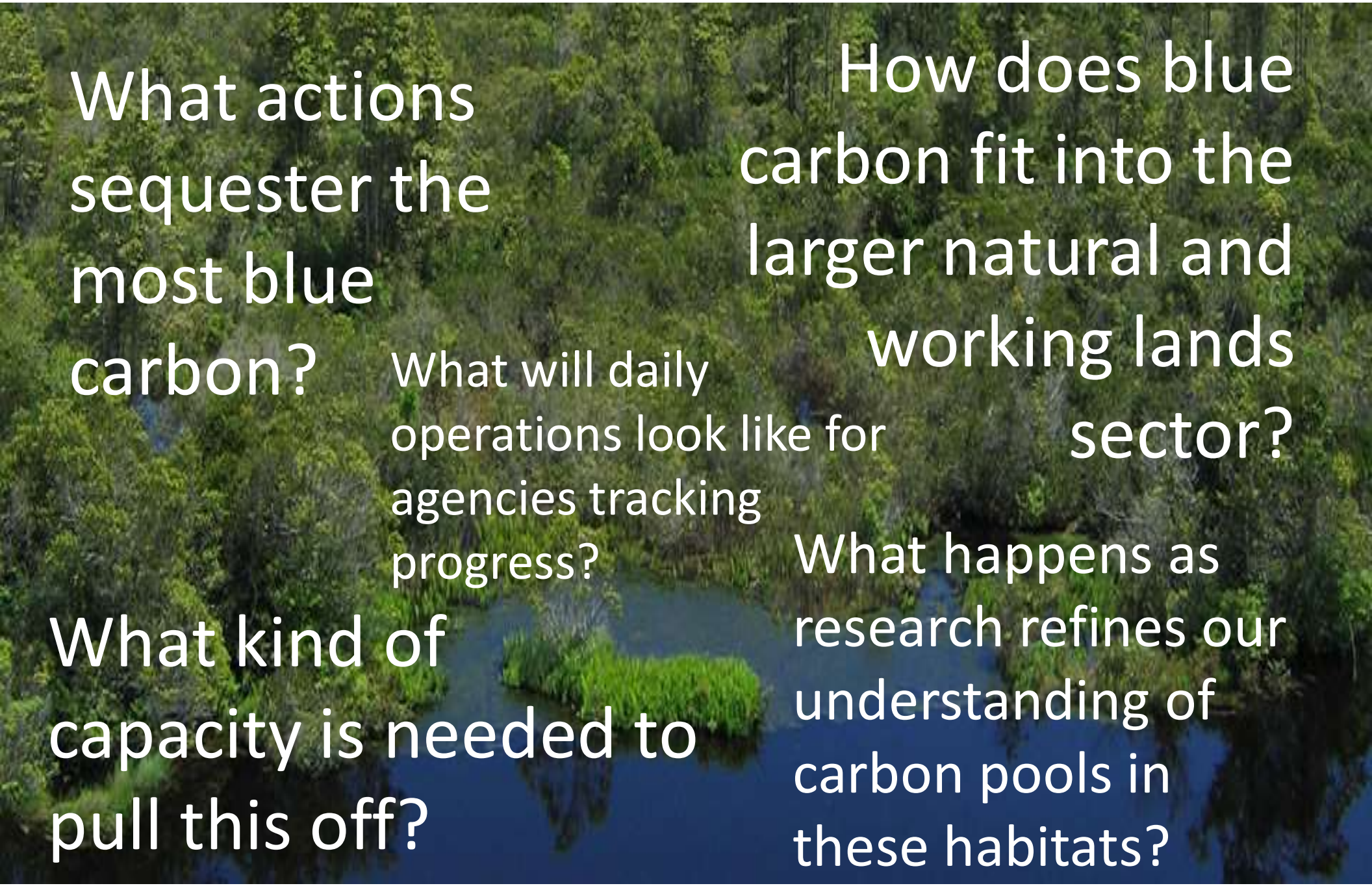
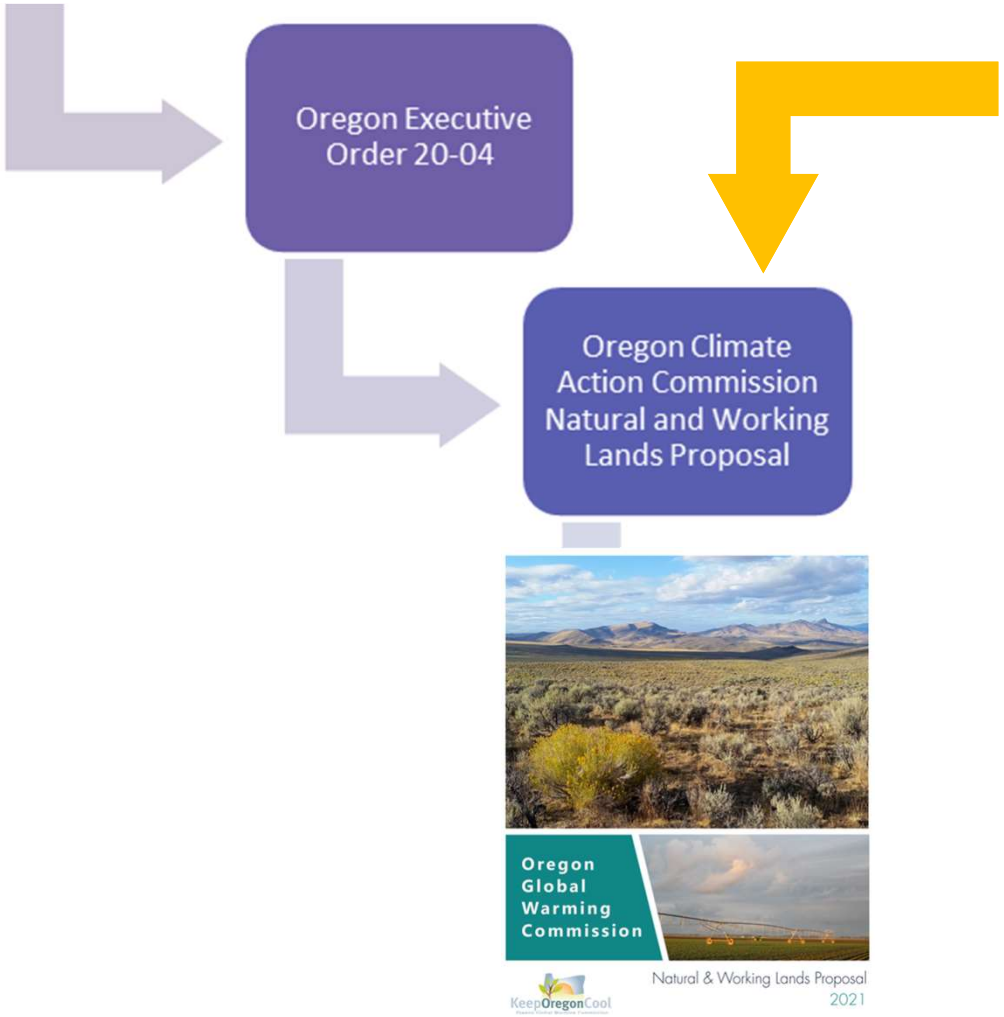
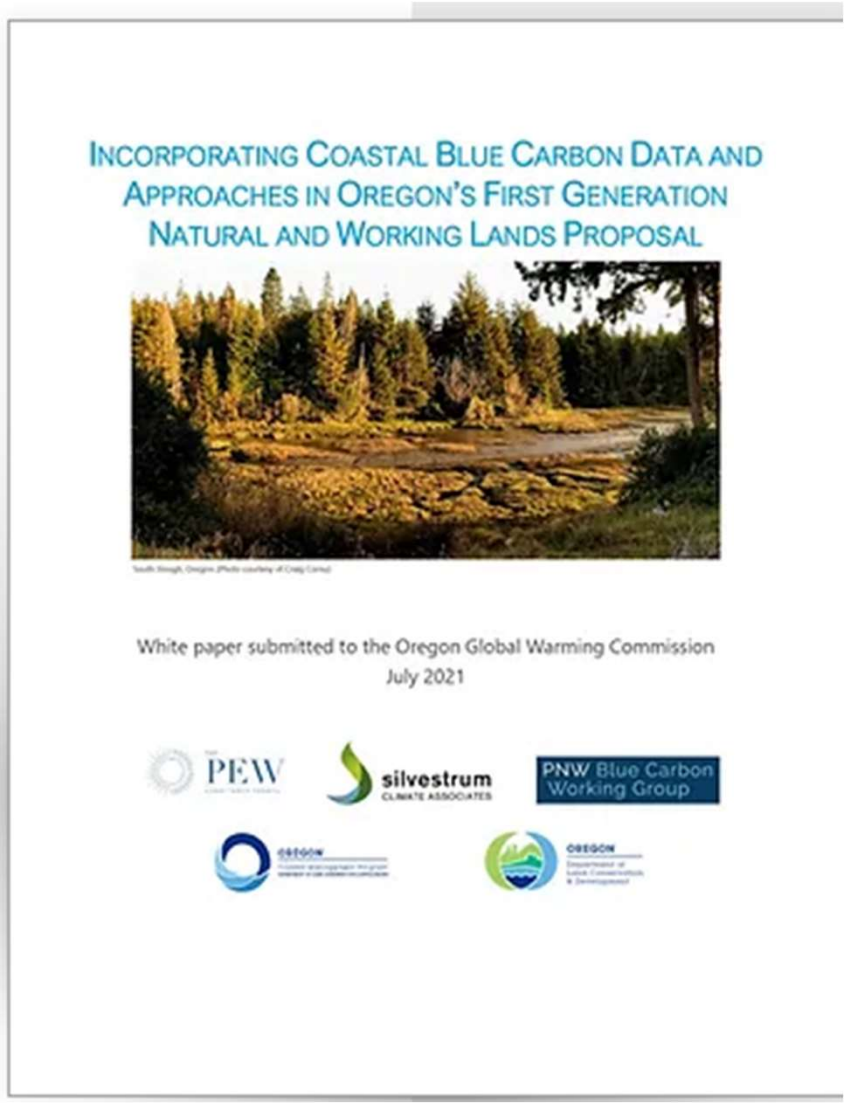

What actions sequester the most blue carbon?
What will daily operations look like for agencies tracking progress?
How does blue carbon fit into the larger natural and working lands sector?
What kind of capacity is needed to pull this off?
What happens as research refines our understanding of carbon pools in these habitats?

Incorporating Blue Carbon





Policy Landscape & Timeline

National US Climate Alliance Natural and Working Lands Challenge

Oregon Executive Order 20-04

Spring 2020

Oregon Climate Action Commission Natural and Working Lands Proposal

Aug 2021

Natural and Working Lands Project

2022-2023

Natural Climate Solutions Legislation

June 2023

Implementation

Now

Phase 1

Phase 2

Phase 3

Natural and Working Lands

"Alliance members are **scaling best practices** for **land management, restoration, and conservation** to contribute to emission reductions and carbon sequestration at the scale needed for deep decarbonization and, where appropriate, **integrating natural and working lands into state mitigation and resilience plans with ambitious goals** that **center equity** and prioritize **actions that deliver multiple benefits**."

Natural and Working Lands Project

1. Establish and facilitate a Natural and Working Lands Advisory Committee;
2. Develop a methodology to inventory net carbon capture in Oregon's natural and working lands;
3. Develop climate-smart management practices and establish an activity-based baseline;
4. Define the scope of work for a Workforce and Training needs analysis;
5. Identify community impact metrics; and
6. Produce a final report.

Agricultural landscapes

Blue carbon

Rangelands & grasslands

Forests and woodlands

Urban-suburban

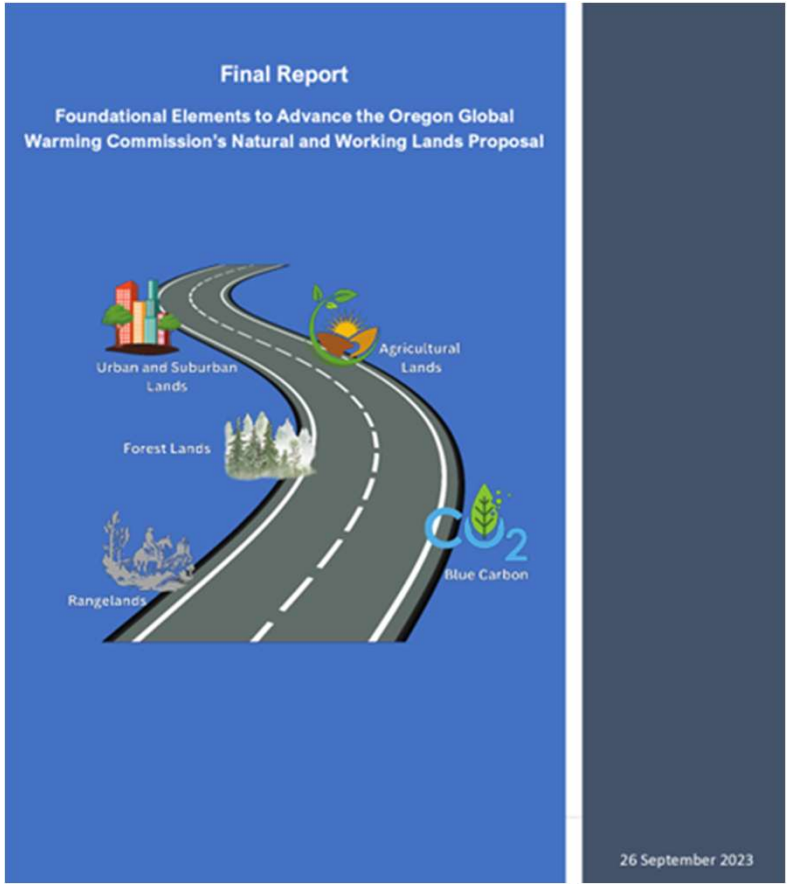
Blue Carbon Practices

Recommended

- Tidal wetland conservation
- Tidal wetland restoration
- Seagrass conservation

Emerging

- Seagrass Restoration
- Kelp and Seaweed Protection and Restoration
- Enhance Tidal Wetland Resilience to Sea Level Rise



Important Considerations

Co-benefits

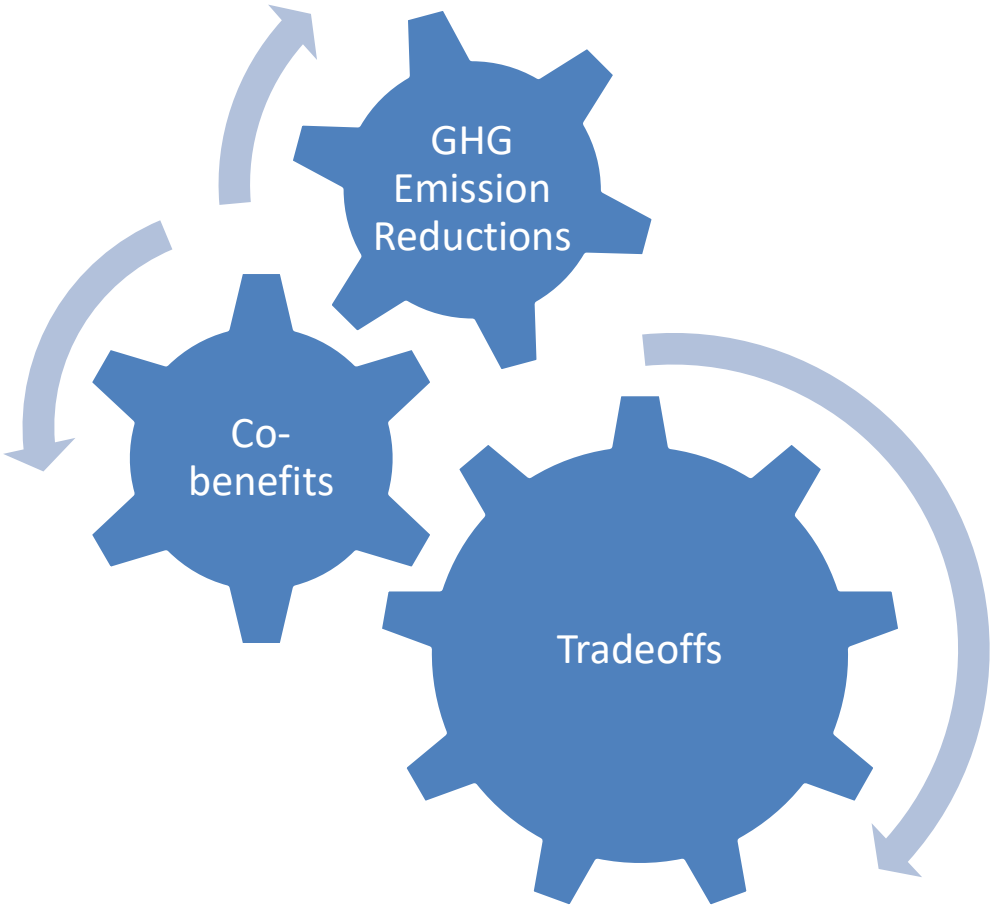
– How to evaluate, value, account

Tradeoffs

– Differ at different scales

– How to make individuals/communities whole for societal level benefits

– Collaborative planning processes generally under-funded



San Francisco Estuary Institute Scenario Planning Tool

Natural Climate Solutions Legislation (HB 3409)

Defined natural and working lands
Established NWL as GHG emission reduction strategy
Required agencies to set targets by 2025
Establishes a process to work with Tribal Nations to potentially incorporate indigenous practices
Requires agencies to establish/maintain an inventory in their appropriate sector/work with lead agency to maintain NWL inventory
Establishes permanent fund for NCS on private lands

Phase 3: Implementation

Greenhouse Gas Management Institute (ghginstitute.org)

What's next for blue carbon in Oregon

NWL Advisory Committee

- POLICY
- Formed by legislation
- Advises Oregon Climate Action Commission
- Includes blue carbon seat

NWL Inter-Agency Working Group

- GOVERNANCE
- Facilitated by Commission
- Audit existing state agency programs
- Create NWL Inventory
- Facilitate Targets dialogue and produce report by 2025

Oregon Coastal Management Program

- MANAGEMENT and DATA CURATION and POLICY
- Maintenance of inventory data
- Filling data gaps
- Blue Carbon Calculator
- Creating estuary Resilience Action Plans
- Leverage federal funding opportunities w coastal partners
- Help create blue carbon

PNW Blue Carbon Working Group

- SCIENCE and RESEARCH
- Institute for Applied Ecology
- Continue to research carbon/refine current data
- Fill science/data gaps related to methodology/ emerging practices


Questions?