OGWC Natural & Working Lands

Monday, May 22, 2023

Lisa Gaines, Director of the OSU Institute for Natural Resources
Lisa DeBruyckere, President of Creative Resource Strategies, LLC

AGENDA

- Welcome and introductions
- Oregon Global Warming Commission Natural & Working Lands Proposal
- Project Deliverables and Timeline
- Roles and Responsibilities; Process to Achieve Deliverables
- Questions We Seek to Answer/Technical Approach
- Our Progress
- Key Next Steps

KeepOregonCool
Oregon Global Warming Commission

Proposed Goals & Metrics

Outcome-Based Goal

Sequester at least an **additional 5MMTCO2e per year in Oregon's natural and working lands and waters by 2030**, and at least **9.5MMTCO2e per year by 2050**

- Relative to a 2010 to 2019 activity-based baseline.
- Separate from, and in addition to, Oregon's sector-based emissions reduction goals.
- Periodically re-evaluated as we better understand the potential from the land sector in Oregon

Proposed Goals & Metrics

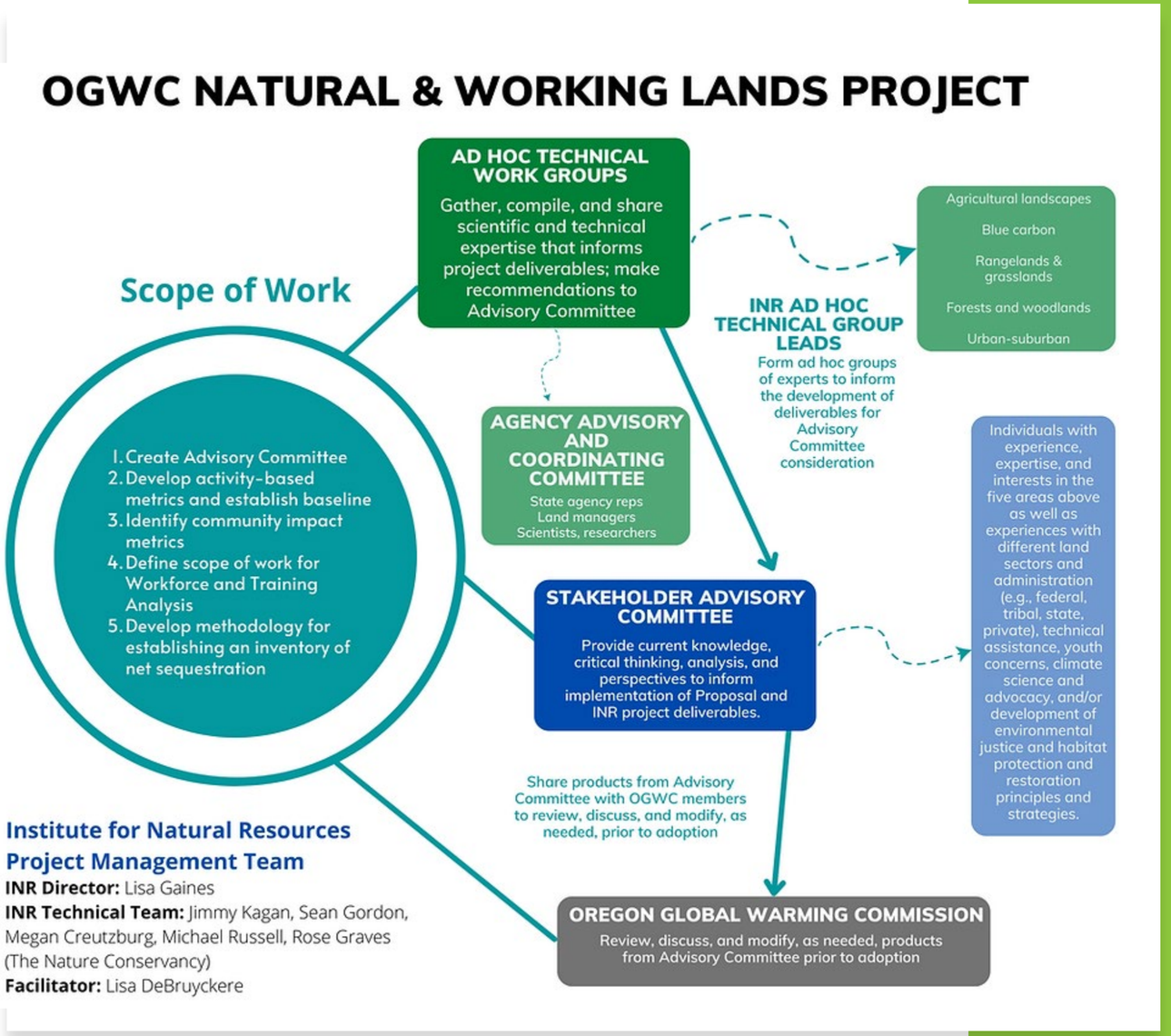
Activity-Based Metrics

Activity-based metrics (e.g., acres of adopted soil health practices, riparian reforestation, and urban forest canopy expansion)

Community Impact Metrics

Community impact metrics should be designed to evaluate the benefits and burdens associated with different Natural and Working Lands strategies, practices, and programs including effects on jobs, local economies, public health, and access to programs, among other factors.

OUR PROCESS


OGWC NATURAL & WORKING LANDS PROJECT
AD HOC TECHNICAL WORK GROUPS
Gather, compile, and share scientific and technical expertise that informs project deliverables; make recommendations to Advisory Committee
Agricultural landscapes
Blue carbon
Rangelands & grasslands
Forests and woodlands
Urban-suburban
INR AD HOC TECHNICAL GROUP LEADS
Form ad hoc groups of experts to inform the development of deliverables for Advisory Committee consideration
Scope of Work
1. Create Advisory Committee
2. Develop activity-based metrics and establish baseline
3. Identify community impact metrics
4. Define scope of work for Workforce and Training Analysis
5. Develop methodology for establishing an inventory of net sequestration
AGENCY ADVISORY AND COORDINATING COMMITTEE
State agency reps
Land managers
Scientists, researchers
STAKEHOLDER ADVISORY COMMITTEE
Provide current knowledge, critical thinking, analysis, and perspectives to inform implementation of Proposal and INR project deliverables.
Individuals with experience, expertise, and interests in the five areas above as well as experiences with different land sectors and administration (e.g., federal, tribal, state, private), technical assistance, youth concerns, climate science and advocacy, and/or development of environmental justice and habitat protection and restoration principles and strategies.
Share products from Advisory Committee with OGWC members to review, discuss, and modify, as needed, prior to adoption
Institute for Natural Resources
Project Management Team
INR Director: Lisa Gaines
INR Technical Team: Jimmy Kagan, Sean Gordon, Megan Creutzburg, Michael Russell, Rose Graves (The Nature Conservancy)
Facilitator: Lisa DeBruyckere
OREGON GLOBAL WARMING COMMISSION
Review, discuss, and modify, as needed, products from Advisory Committee prior to adoption

Activity-Based Metrics

Metrics to help track the implementation of activities (interventions) that contribute to the reduction of GHGs in the NWL sector.*

> **Objective:** Develop activity-based metrics and a baseline of these activities for Oregon's NWL.

Natural & Working Lands (NWL) Inventory

NWL inventories estimate carbon stocks and fluxes of GHGs across different land use categories and quantify the uncertainty around these estimates.

> **Objective:** Create a tiered proposal for a greenhouse gas inventory for Oregon's NWL sector.

* (e.g., IPCC's "land use, land use change and forestry (LULUCF)" GHG inventory sector)

Activity-Based Metrics

Goal: Develop activity-based metrics and a baseline of these activities for Oregon's NWL.

1. What are the recommended activities to capture and store more carbon and reduce GHGs in Oregon's NWL sector? Which should be included in this effort?
2. What method should be used to develop a baseline for these activities and track implementation through time?
   - How much is occurring and how much has happened in the past? How much would occur following 'business-as-usual'?
3. How do we best measure or estimate the amount of carbon that is captured and stored by implementing the activities?

Natural and Working Lands Inventory

Objective: Create proposalS for a greenhouse gas inventory consistent with IPCC framework inventory methodologies.

BASIC

Uses more advanced methods to apply a stock change approach. Higher resolution activity data and regionally-specific data/emission factors are used.

ADVANCED

Uses detailed state-specific data and models, advanced methods driven by high-resolution activity data and disaggregated to fine grid scales. Provides greater certainty than lower tiers and have closer link to ecosystem dynamics.

What are the recommended methods to determine:

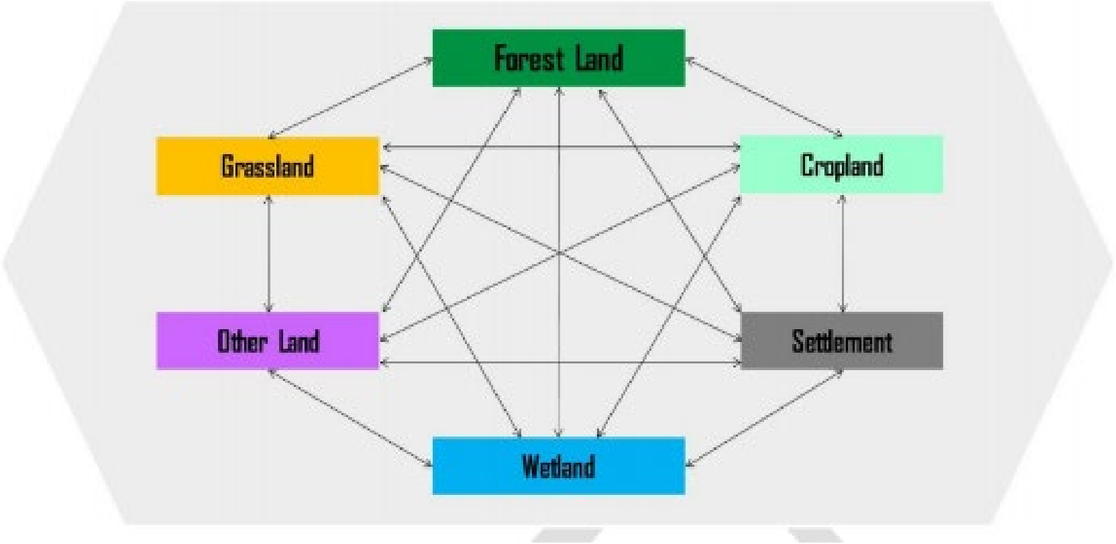
1. The current carbon stocks and net sequestration in Oregon's NWL?
2. How carbon stocks, emissions, and sequestration in Oregon's NWL change through time?
3. The causes of these changes?
4. How we track these differences?

Approach

- Consistent with IPCC Guidelines and Best Practices
- Informed by national and state approaches
- Best use of available science
- Acknowledge that metrics/inventory methods may improve through time
- Arrange by land use categories

Oregon-specific land use category definitions are being developed and will be informed by IPCC guidelines/standardized definitions.

Categories of land use change



OUR PROGRESS

- **TASK 1: ADVISORY COMMITTEE**
  - Committee was formed in late 2022 and a total of eight meetings have been held.

NWL Advisory Committee Meetings

This web page contains the meeting recordings and information associated with the OGWC Natural and Working Lands Advisory Committee meetings. This page is updated monthly to illustrate the progress being made by stakeholders in advancing Oregon's natural and working lands proposal.

4 May 2023
1:00pm-2:30pm

Attendees
Chat Box Discussion
Agenda

6 April 2023
1:00pm-2:30pm

Attendees
Chat Box Discussion
Powerpoint
Agenda

2 March 2023
1:00pm-2:30pm

Attendees
Chat Box Discussion

First Name	Last Name	Affiliation	Title
Lauren	Anderson	Oregon Wild	Climate Forest Program Manager
Jocelyn	Bridson	Tillamook County Creamery Association	Director of Environment & Community Impact
Mimi	Casteel	Hope Well Wine and Vineyard	Owner, Winegrower and Agricultural Consultant
Gary	Clarida	Retired	Forestry technician, sawyer, and equipment maintenance supervisor
Craig	Cornu	PNW Blue Carbon Working Group	Coordinator
Tyler	Ernst	Oregon Forest Industries Council	Policy Counsel, Manufacturing and Resources
Brian	Glaser	Ernest Glaser Farms	Farm Owner and Operator
Greg	Green	Ducks Unlimited	Director of Conservation Programs - PacNW
Ben	Hayes	Springboard Forestry, LLC/Hyla Woods	Manager/Principle
John	Hillcock	Wallowa County	Commissioner
Greg	Holmes	1000 Friends of Oregon	Working Lands Program Director/Southern Oregon Advocate
Megan	Kemple	Oregon Climate and Agricultural Network	Co-Director, Director of Policy Advocacy
Dylan	Kruse	Sustainable Northwest	Vice President
Debora	Landforce	2 Fox Farm	Partner
Jan	Lee	Oregon Association of Conservation Districts	Executive Director
Karen	Lewotsky	Oregon Environmental Council	Rural Partnerships Lead; Water Program Director
Nicole	Maness	Willamette Partnership	Partner, Resilient Habitat and Working Lands
Mike	McCarthy	McCarthy Family Farm, Owner; Parkdale Valley Land Trust, President; Oregon Farm Bureau State Board	
Dan	Probert	Country Natural Beef	Director
Josh	Robinson	Robinson Nursery	Co-Owner
Elizabeth	Ruther	The Pew Charitable Trusts	Science and Policy Analyst
Amanda	Sullivan-Astor	Associated Oregon Loggers	Forest Policy Manager
Laura	Tabor	The Nature Conservancy	Climate Action Director
Joseph	Vaile	Klamath-Siskiyou Wildlands Center	Climate Program Director
Katie	Voelke	North Coast Land Conservancy	Executive Director
Teryn	Yazdani	Beyond Toxics	Staff Attorney, Climate Policy Manager

OUR PROGRESS

- **TASK 2: ACTIVITY-BASED METRICS AND BASELINE**
  - Draft practices and metrics
    - Highly certain/established evidence practices
    - Less certain/emerging evidence practices
    - Current not recommended/unlikely practices
  - Produced by **technical teams**
  - Review by **Advisory Committee**, including development of additional recommendation by Agriculture and Forestry Subcommittees
  - Project facilitators reached out to 65 **external reviewers** nationally – most recommended by Advisory Committee – compilation by June 1
  - All 3 groups will be represented in final INR report to OGWC
  - Baselines scheduled to be completed in July – shared as FYI with AC and reviewed by state and federal agencies

OUR PROGRESS

- **TASK 3: COMMUNITY IMPACT METRICS**
  - Framework for assessment completed
  - Menu of opportunity for community metrics completed
    - AC is reviewing and recommending a suite of potential metrics that could be used by all Oregon communities
    - Facilitators are convening with state agency representatives to discuss a suite of community metrics best associated with state program implementation (e.g., urban forestry)

OUR PROGRESS

- **TASK 4: WORKFORCE DEVELOPMENT AND TRAINING NEEDS ASSESSMENT AND GAP ANALYSIS OF NATURAL AND WORKING LAND SECTORS IN OREGON**
  - Reviewed and compiled other workforce development and training needs assessments and gap analyses
  - Outreach to Oregon workforce development and training needs specialists, including those associated with natural and working lands
  - Compiled information into scope of work
  - ODOE will release Request for Information to solicit specific methodologies and approaches to conducting assessment and gap analysis, including projected costs.

State of Oregon

COVER PAGE

DEPARTMENT OF ENERGY

REQUEST FOR INFORMATION (RFI)

Seeking Information About:

Workforce Development and Training Needs Assessment and Gap Analysis of Natural and Working Lands Sectors in Oregon

RFI #23-XXX

Date of Issue:

Responses Due Date:

Single Point of Contact (SPC):

Address:	550 Capitol St. NE
City, State, Zip	Salem, OR 97301
Phone (voice)	503-508-8190
E-mail:	Odoe.contracts@energy.oregon.gov

OUR PROGRESS

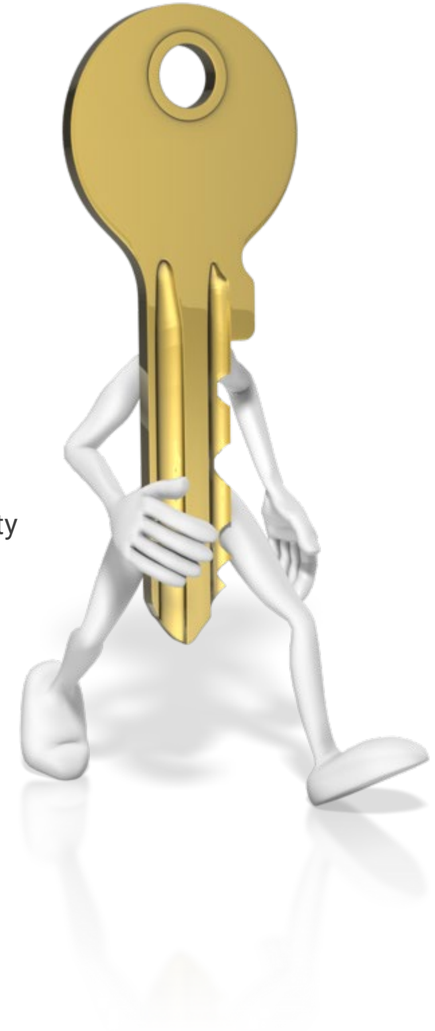
- **TASK 5: INVENTORY METHODOLOGY**
  - Background and objectives for GHG inventory on NWL in Oregon developed.
  - GHG inventory definitions developed and reviewed by AC.
  - Drafts of Basic and Advanced Inventory Methodology developed.
    - State and federal agencies to review
    - Share with AC

Key Issues

- **Task 1: Advisory Committee**
  - Creating committee representative of the diversity of Oregonians (geographic, etc.)
  - Integrating tribal perspectives into statewide process
  - Avoiding confounding political and policy processes with science-based INR process to produce report for OGWC

- **Task 2: Activity-based Metrics and Baseline**
  - Prospective funding associated with specific industries can confound science-based INR process
  - OGWC proposal goals to measure carbon and GHG relative to different scales and activities on the ground
  - Emerging science and existing unknowns about contributions of some practices to C storage and GHG emissions reductions
  - Recognition that industries want to be recognized for their contributions, big or small, to Oregon's C storage and GHG emissions goals
  - Crossover in sector-based emissions and Agriculture Sector

- **Task 3: Community Impact Metrics**
  - Developing a framework for Oregon versus a suite of specific metrics for Oregon
  - Scale for considering community impact metrics
  - Metrics for different purposes – e.g., statewide program (Urban Forestry Program), municipal program (e.g., City of Portland Forestry), local community

- **Task 4: Workforce Development and Training Needs Assessment and Gap Analysis of Natural and Working Land Sectors in Oregon**
  - Ensuring all land sectors are represented, despite lack of data and information for some sectors
  - Ensuring a new program is not created, rather create efficiencies across all existing programs, filling gaps in existing programs, etc. to create a robust framework for Oregon

- **Task 5: Inventory Methodology**
  - Scale of data
  - Privacy concerns with private lands
  - Assumptions