



Recorded Sessions Access Guide

Use this guide to access recordings from the 2025 North American Biochar Conference. Revisit the discussions that are driving the biochar movement forward.

September 15, 2025

Biochar Standards – Building the Foundation for an Industry

[Biochar Standards Workshop](#)

Myles Gray, US Biochar Initiative
Chris Wiberg, Timber Products Inspection / Biomass Energy Lab
Karl Strahl, Oregon Biochar Solutions

Biochar Business Development

[Biochar Project Finance – Options & Considerations](#)

Matt Schmitt, Structure Climate

[Carbon Credits in Focus: Pricing Shifts and Market Drivers in Carbon Removal Markets](#)

Santiago Canel Soria, S&P Global Commodity Insights

[Maximizing Grant Funding for Biochar Projects in the United States](#)

Joel Dulin, Jozana Grant Services
Stephanie Santell, (Re)wilding LLC

[5 Ways to Make Saving the Earth Profitable](#)

Jackie Smith, 3 Pillars Marketing

The Biochar Effect: Advancing Soil Health for a Resilient Future

[The 3Rs of Biochar](#)

Kristin Trippe, PhD, USDA Agricultural Research Service

[Designing On-Farm Biochar Demonstration Trials](#)

Deborah Aller, Cornell University

[Lessons Learned from Year 1 of a National Biochar Soil Health Demonstration Trial Program](#)

Aysha Tapp Ross, American Farmland Trust

[Insights from a 2025 National Biochar Survey](#)

Ellen Yeatman, American Farmland Trust

[Lessons Learned from Implementing NRCS 336 Practice in Northern MN on 4 farms and Beyond](#)

Harry Groot, Dovetail Partners, Inc
Brad Matlack, Carlton County SWCD (ret.)
Steve Risacher, Farmer
Bruce Heikes, Farmer



Recorded Sessions Access Guide

September 15, 2025 continued

Biochar On Site

Biochar on Site Introduction

John Webster, Biochar On Site
Korina Stark, Circular Spring

Biochar Markets to Support Forest Health – Will it Work?

Korina Stark, Circular Spring

Biochar-As-A-Service: An Emerging Business Model

Roger Smullen, Earth Foundries

Biochar in Natural Lands Management: Driving Industry Practice Change

Todd Rexine, Great River Greening

Modulating Wildfire-Affected Soil in Northern Arizona by Biochar Application

Dipita Ghosh, Northern Arizona University

Panel: Role of On-Site Biochar for Recovery, Mitigation & Adaptation

Korina Stark, Circular Spring
Darren McAvoy,
Todd Rexine, Great River Greening
Dipita Ghosh, Northern Arizona University
Alexis Kuypers, Airburners



Recorded Sessions Access Guide

September 16, 2025

[Global Biochar Market Survey Release Announcement](#)

Myles Gray, US Biochar Initiative
Luisa Marín, International Biochar Initiative

[Insights into the Groundbreaking Launch of SDI Biocarbon Solutions](#)

Jeff Hansen, Steel Dynamics

[Congressional Initiatives to Support Biochar & How You Can Help](#)

Chuck Hassebrook, National Center for Appropriate Technology
Mike Werner, Qualterra Inc.
Maureen Walsh, US Biochar Coalition
Jim Doten, City of Minneapolis

[Maximizing Impact and Market Appeal: How Biochar Producers Can Leverage SDGs and Co-Benefits to Attract Premium Carbon Credit Buyers and Build Long-Term Partnerships](#)

Varsha Ramesh Walsh, Offstream
Timothee Dulac, Puro.earth
Stebin Horne, Eco-X
Alex Zarikos, Lympha

Municipal and Urban Biochar

[Going on the Offense: The Minneapolis Biochar Journey](#)

Cole Thompson, City of Minneapolis
Jim Doten, City of Minneapolis

[From Waste to Value: Scaling Biochar Production Through Municipal Partnerships](#)

Kevin Danner, Carbon Lock Tech

[Finding Value in Fallen Trees: Biochar's Role in A Scaled Wood Economy](#)

Jeff Carroll, Unified Wood Economy

[From Promise to Practice: What We've Learned Working with Municipalities on Biochar](#)

Sam Dunlap, Carbon Dynamics LLP, Carbon Harvest LLC
Nash Leef, Carbon Dynamics LLP

From Data to Trust in Carbon Markets

[Getting DMRV Done in the Real World: Lessons from Mobile Biochar Projects in the Field](#)

Wihan Bekker, CHARR Solutions

[Digitizing Carbon Workflows: How Pacific Biochar Automated Data Management to Scale its Carbon Impact](#)

Annie Nichols, Mangrove Systems
Josiah Hunt, Pacific Biochar

[The Role of Independent, Digital MRV in the Carbon Markets](#)

Mike Railey, Carbonfuture

[Automating dMRV for Carbon Credits: IoT Integration in Biochar Production for Enhanced Verification](#)

Max Alberding, CARBO-FORCE
Darrell Huntsman, CO2-Sync
Oliver Erb, Cula Technologies

Executing Projects in the Real World

[How to Create a Top Quality Biochar Project](#)

Ted Christie Miller, Residual
Mark Goldman, Residual

[The Opportunities and Challenges Facing the Largest Biochar Producer in Europe](#)

Cathal Fitzgerald, Arigna Group

[Scaling Real-World Biochar: Lessons from Project Development to Carbon Credit Delivery](#)

Valeria Araico, International Biochar Initiative



Recorded Sessions Access Guide

September 16, 2025 continued

[Unlocking Biochar's Carbon Storage Potential Through the Voluntary Carbon Market](#)

Jon Remucal, Climate Action Reserve
Lucy Buchan, 3Degrees Group, Inc.

Soil Health and Biochar-Enhanced Fertilizers

[Improving Soil Health through Enhanced Organic Amendments Use and pH Regulation via Microbe-Immobilized Biochar](#)

Ryoya Nishida, TOWING Co., Ltd

[Crop-residue Biochar in Agricultural Soil Can Improve Crop Production and Soil Health Indicators](#)

Sharol Marcec, Qualterra, Inc.

[Develop Biochar-based Nitrogen Fertilizers for Sustainable Precision Agriculture](#)

Lin Wei, South Dakota State University

[Enhanced Biochar for Increasing Crop Productivity and Carbon Sequestration in Controlled Environment Agriculture](#)

Nehru Chevanan, Altex Technologies Corporation

John Kelly, Altex Technologies Corporation
Shawn Hawkins, The University of Tennessee
Syam Dodla, IFDC
Kiran Pavuluri, IFDC

Permitting

[Breaking Regulatory Ground: Securing a First-of-Its-Kind Air Permit for a Biochar Reactor](#)

Paden Voget, Catalyst Environmental Solutions Corporation

[Navigating the Biochar Production Permitting Process: Traps, Pitfalls, and the Pathway to Success](#)

Frederick Tornatore, TSS Consultants

Biochar in Stormwater Management

[Scaling Up Biochar Applications for Accelerated Stormwater Runoff Reduction in the Chesapeake Bay](#)

Alexandria Wilkins, Center for Watershed Protection (CWP)

[Using Biochar for Temporary Sediment Control and Stormwater Management. Wishful Thinking, or Future Utilization?](#)

Dwayne Stenlund, MN Department of Transportation

[Development of Biochar Specification Criteria as Soil Amendment for Slopes, Conveyances and Stormwater Treatment Systems](#)

Tadele Haile, Natural Resources Research Institute (NRRI)

Waste-to-Biochar Innovations

[First is the Worst: Lesson from Scaling a First-of-its-kind Sewage Transformation Technology](#)

Dario Presezzi, Bioforcetech Corporation

[Remediation of Coal Ash \(CCRs\) Waste: Biochar as a Dewatering Agent](#)

Brian Barry, Natural Resources Research Institute (NRRI)

[Biochar for Industrial Applications: Driving Market Value with Cost-negative Feedstocks](#)

Thomas Trabold, Cinterest



Recorded Sessions Access Guide

September 16, 2025 continued

Biochar in Concrete

[Biochar in Concrete: A Business Perspective](#)

John Mead, Solid Carbon, Inc.

[Building Consensus: The Road to an ASTM Biochar Standard for Concrete](#)

Lori Tunstall, Colorado School of Mines

Advanced Biochar Materials

[Biochar-based Composites: Potential and Limitations](#)

Yvan Hernandez-Charpak, Cinterest Inc. & Universidad de los Andes

[Scale-up and Demonstration of a Carbon Neutral Engineered Material to Displace Fossil Carbon in Electric Arc Furnace Steel Mills](#)

Cally Hunt, National Resources Research Institute (NRRI)

[Biochar and Graphene Valley - The Future Unfolding](#)

Mark Ritchie, Graphene Valley Global



Recorded Sessions Access Guide

September 17, 2025

[USBI Leadership Update: Standards, Strategy, and the Road Ahead](#)

Myles Gray, US Biochar Initiative
Tera Lewandowski, US Biochar Initiative

[A Conversation with Biomass Energy Techniques \(BET\)](#)

Tom Miles, T R Miles, Technical Consultants, Inc.
Derrick Giesbrecht, BET
Mark Leid, BET

[Expanding Biochar Production and Opportunities through USDA Forest Service Programs](#)

Brian Brashaw, USDA Forest Service
Charlie Becker, USDA Forest Service
Kristen Bergstrand, USDA Forest Service
James Gaspard, Biochar Now LLC

[Introductions and Insights from Maxsum Environmental](#)

Jeff Bortniker, Maxsum Environmental

[Building a Successful Biochar Project is the SUM of the Parts](#)

Will Marquis, PYREG
Brecc Avellar, PYREG

[Scaling Biochar Production: A Critical Step Toward Environmental and Economical Sustainability](#)

Don Shinn, IAC

[Regional Biochar Coordination Networks](#)

Emily Silver, Michigan State University
Sam Dunlap, Carbon Dynamics LLP, Carbon Harvest LLC
Jim Doten, City of Minneapolis

[Unlocking Insetting: How Biochar Projects Can Tap Into Supply Chain Climate Goals](#)

Tristan Springer, Valorize Systems
Mayo Ryan, Sitos Group
Jeff Hallowell, Biomass Controls PBC
Giorgio Ponte, ecoLocked GmbH

[Financing the Future of Biochar: Real Capital for Real Infrastructure - Panel](#)

Ryan Letourneau, GRAIN Ecosystems

[Sustainable Substrates: Exploring Biochar's Horticultural Market Potential](#)

Chad Massura, Rosy Soil
Tera Lewandowski, US Biochar Initiative
Connie Johnson, Sun Gro Horticulture
Tony Marrero, Wakefield Biochar

Maximizing the Value of Energy from Biochar Production

[New Developments in Power Production from Waste Heat from Pyrolysis Plants using ORC Technology](#)

Sven Jensen, Durr Systems AG

[The Art of Risk-Reduced Biochar: Smarter Projects through Waste Heat Recovery Electrical Generation](#)

Natalie Van Dyke, ElectraTherm Inc.

[Carbon Beyond Biochar: Powering the Future](#)

Mick Jones, Woodtek Engineering Ltd
Rob Emrich, Torc Power

Mobile Units Production: Technology, Ops, and Feedstock

[Mobilizing Biochar Production to Support Florida Citrus Growers](#)

Wyatt Catron, 3Degrees Inc.
Zack Farr, Biotech Applied Research

[Advanced Mobile Biochar Production Unit](#)

Jason Aramburu, Applied Carbon

[Lessons from the Field: Co-designing an MRV Procedure for a Fleet of Biochar Reactors](#)

Kevin Kung, Takachar Ltd.



Recorded Sessions Access Guide

September 17, 2025 continued

Advanced Biochar Production Technologies

[Supercharging Climate Impact with Bio-oil](#)

Saumya Jain, Charm Industrial

[Greenhouse Gas Removal through Combining Biochar Production and Carbon Capture](#)

Joshua Dalby, Ricardo

[Commercialization of Autothermal Pyrolysis for the Production of Biochar and Biocrude](#)

Tannon Daugaard, Rise Energy

Biochar to Support Improved Forest Management

[Scaling Mobile Biochar: California's Largest Deployment in Action](#)

Roger Smullen, Earth Foundries, Inc.

[Unlocking Forest Value with Biochar: A Catalyst for Biomass Utilization and Industry Revitalization](#)

Kaarsten Turner, North Fork Advisors, LLC

[Accelerating Mobile Biochar Deployment through Loamist's Geospatial Siting and Offtake Optimization](#)

Chelsea Samuelsom, Loamist

Technology and Industrial

[Biochar Processing - Air Pollution Control System Solutions](#)

Michael Foggia, Process Combustion Corporation

[BIOCHAR-LIFE-EU Project – Technical Overview](#)

Jan Lindenberger, Next Generation Elements GmbH

[Post-Production Processing of Biochar for Value-Added Carbons](#)

Terrance Barkan, Advanced Carbons Council