

## Sunday, October 13

1:00 - 4:00	<b>FARMER WORKSHOP</b> <i>New England Small Farm Institute</i> Rachel Hestrin, Cornell University David Yarrow, KAW Valley Biochar	Christian Pulver, Cornell University Thea Whitman, Cornell University
6:00 - 9:00	<b>COMMUNITY VIDEO LOUNGE</b> <i>UMass Campus Center Reading Room</i>	
7:00 - 8:30	<b>SUNDAY EVENING PLENARY</b> <i>Campus Center Auditorium</i> Jim McGovern, United States Congress	

## Monday, October 14

8:00 - 9:45	<b>WELCOME PLENARY</b> State of Biochar Industry - Thayer Tomlinson, International Biochar Initiative Converting Biomyths into Biochar - Gloria Flora, US Biochar Initiative How Biochar Almost Saved the World 150 Years Ago - Kelpie Wilson, Wilson Biochar Associates	
9 AM - 9 PM	<b>COMMUNITY VIDEO LOUNGE</b> <i>Reading Room</i>	
10:00 - 11:20	<b>Characterizations of Biochar</b> room 163 Wiley Barbour, International Biochar Initiative Jeff Licht, UMass Boston Hugh McLaughlin, Alterna Biocarbon Frank Shields, Control Labs	<b>Crops and Soils</b> room 101 Thomas Goreau, Global Coral Reef Alliance Priit Tammeorg, University of Finland Pyoungchung Kim, University of Tennessee
	<b>Global Climate Change &amp; Biochar</b> 162 Doris Hamill, NASA Langley Research Center Thea Whitman, Cornell University Rivka Fidel, Iowa State University	<b>Permitting &amp; Policy</b> room 165 Charles Niebling, Innovative Natural Resource Solutions Dwayne Breggar, DOER Marc Wolman, Mass DEP
11:45 - 12:30	<b>LUNCH PLENARY</b> <i>Campus Center Auditorium</i> Margaret Bullitt-Jonas, Grace Episcopal Church, Amherst	
12:30 - 1:15	<b>ROUNDTABLE TOPICS</b>	
1:30 - 2:50	<b>Properties of Biochar</b> room 163 Catherine Brewer, Rice University Sabrina Eichenauer, Univ. of Applied Sci.- THM Jeff Licht, UMass Boston	<b>Habitat Restoration</b> room 101 Katherine Ballantine, Mount Holyoke College Sean C. Thomas, University of Toronto Thomas McCormick, McCormick Environmental
	<b>CHP &amp; Biochar</b> room 162 Greg Stangl, Phoenix Energy Olivier Lepez, ETIA Lenny Roberts, Roberts Brothers Lumber	<b>Recycling the Biosphere</b> room 165 Daniel Young Ronald G. Larson, USBI Erich Knight, Shenandoah Gardens
3:15 - 5:00	<b>Panel: USDA Ag. Research Service</b> 163 Jeff Novak, Dan Pote, Thomas Klasson, Kurt Spokas, Akwasi Boateng, Isabel Lima, USDA - ARS	<b>Remediation/Pollution Control</b> 101 Makoto Ogawa, Japan Biochar Association Seok-Young Oh, University of Ulsan, S. Korea Josh Kearns, Univ. of Colorado at Boulder
	<b>Community &amp; Farm Scale CHAB</b> 162 Bob Wells, New England Biochar Eric Sorensen, Carbon Roots International Frank Jeffers	<b>Commercializing Biochar</b> room 165 David Morell, Sonoma Biochar Initiative Christoph Pollatos, Biochar Central Jeff Wallin, The Biochar Company Michael Abbate, Common Capital Jon Niedzielski, MA Farm Service Agency
5:00 - 7:00	<b>BIOCHAR BANQUET &amp; DEMONSTRATIONS</b> <i>Student Union Ballroom</i> Poster Presentations by expert researchers on wide range of topics (also Tuesday 5:00-7:00)	
7:30 - 9:00	<b>KEYNOTE</b> <i>Campus Center Auditorium</i> Frances Moore Lappe, Small Planet Institute	

# 2013 USBI NORTH AMERICAN BIOCHAR SYMPOSIUM

## SCHEDULE

### SYMPOSIUM TRACK KEY

<b>FEEDSTOCKS &amp; PRODUCTION</b> room 163	<b>1</b>	<b>BENEFITS &amp; USES OF BIOCHAR</b> room 101	<b>2</b>
<b>SCALES, SALES, &amp; MARKETING</b> room 162	<b>3</b>	<b>POLICY &amp; COMMUNITY ENGAGEMENT</b> 165	<b>4</b>

## Tuesday, October 15

8:00 - 9:45	<b>TUESDAY MORNING PLENARY</b> <i>Campus Center Auditorium</i> Johannes Lehmann, Cornell University Jonathan Lash, Hampshire College	
9 AM - 9 PM	<b>COMMUNITY VIDEO LOUNGE</b> <i>Reading Room</i>	
10:00 - 11:20	<b>Unique Biochar Phenomena</b> room 163 Paul Dauenhauer, UMass - Amherst Zhenyu Wang, Ocean University of China Isabel Lima, USDA	<b>Novel Uses of Biochar</b> room 101 Hans-Peter Schmidt, Delinat Institute
	<b>Scaling the Biochar Industry</b> 162 Peter Hirst, New England Biochar Amanda Ravenhill, Presidio Graduate School Barry Hollister, Berkshire Harmony	<b>Ethics &amp; Sustainability</b> room 165 Gloria Flora, USBI John Bonitz, Southern Alliance for Clean Energy Karen Ribeiro, Inner Fortune Coaching
11:30 - 12:15	<b>LUNCH PLENARY</b> <i>Campus Center Auditorium</i> Debbie Reed, IBI David Laird, Iowa State University James Gaspard, Biochar Now	
12:30 - 1:15	<b>ROUNDTABLE TOPICS</b>	
1:30 - 2:50	<b>Pre-Soil Techniques</b> room 163 Richard Belcher, Cool Planet Energy Systems Nigel Gale, University of Toronto Dale Hendricks, Green Light Plants Doug Clayton, Intuitive Biochar	<b>Biochar &amp; Soil Health</b> room 101 Wade Elmer, CT Ag Experimental Station Joff Silberg, Rice University Tom Holm, Prairie Research Institute
	<b>Labeling Biochar Products</b> room 162 David Yarrow, KAW Valley Biochar Kelpie Wilson, Wilson Biochar Associates Renel Anderson, Black Owl Biochar	<b>Carbon Offsets &amp; Markets</b> room 165 Rick Wilson, Cool Planet Energy Systems Keith Driver, The Prasino Group Tom Stokes, Climate Crisis Coalition
3:15 - 5:00	<b>Panel: USFS &amp; Geological Survey</b> 163 Richard Bergman, Nathaniel Anderson, Debbie Page-Dumroese, Daniel McCollum, US Forest Service Gilbert Sigua, USDA	<b>Biochar in Renewable Energy</b> room 101 Tyler Huggins, University of Colorado, Denver Meghana V. Rao
	<b>High Carbon Wood Ash</b> room 162 Brian Coughlan, Wood Ash Industries Andrew Carpenter, Northern Tilth John Miedema, Biological Carbon	<b>Biochar Community Development</b> 165 Ronald G. Larson, USBI Jim Long, Umpqua Bio-Alternatives Cooperative
5:00 - 7:00	<b>DINNER BREAK / FREE-TIME / POSTER PRESENTATIONS</b>	
7:00 - 10:00	<b>IGNITE TALKS</b> <i>Campus Center Auditorium</i> Peter Hirst, New England Biochar Tom Reed, Biochar Engineering Corporation Jeff Wallin, The Biochar Company Albert Bates, The Farm Renel Anderson, Biochar Supreme Tom McGrath	

## Wednesday, October 16

8:00 - 9:30	<b>WEDNESDAY MORNING PLENARY</b> <i>Campus Center Auditorium</i> Tom Miles, Northwest Biochar Working Group Doris Hamill, NASA Langley Research Center	
9:00 - 3:00	<b>COMMUNITY VIDEO LOUNGE</b> <i>Reading Room</i>	
9:45 - 10:00	<b>BREAK</b>	
10:00 - 11:20	<b>Large Scale Processes</b> room 163 Josiah Hunt, Hawaii Biochar Brian Von Herzen, Climate Foundation Tom Grissom, International Tech Corp Ralph Coates, Amaron Energy	<b>Manure Management &amp; Biochar</b> 101 Matthew W. Smith, Washington State Univ. John Miedema, BioLogical Carbon Mike McGolden, CoalTec Energy
	<b>Commercial Tree Care &amp; Forestry</b> 162 Bryant Scharenbroch, Morten Arboretum Alan Page, Green Diamond Systems	<b>Cool Villages</b> room 165 Albert Bates, The Farm Akira Shibata, Wood Carbonization Science Society Steven McGreevy, Research Institute for Humanity and Nature
11:30 - 12:15	<b>LUNCH PLENARY</b> <i>Campus Center Auditorium</i> Lyle Estill, Piedmont Biofuels	
12:30 - 1:30	<b>LUNCH</b>	
1:30 - 2:50	<b>Small Scale Devices</b> room 163 Paul Anderson PhD Karl Frogner PhD Paul Taylor PhD Doug Clayton, Intuitive Biochar	<b>Nutrient Retention &amp; Composting</b> 101 Robert Cirino, University of Delaware Rachel Hestrin, Cornell University Ryan Mahoney
	<b>Biochar Business Development</b> 162 Tom Miles, NW Biochar Working Group Josiah Hunt, Hawaii Biochar Brian McMullen, US Forest Service John Gaunt, Green Tree Garden Supply	<b>Synergistic Communities for Biochar</b> 165 Albert Bates, The Farm Jonathan Bates, Permaculture Nursery Peter Hirst, New England Biochar
3:15 - 5:00	<b>WRAP UP &amp; WHERE TO FROM HERE</b> <i>Campus Center Auditorium</i> Kathleen Draper, Finger Lakes Biochar Erich Knight, Shenandoah Gardens	
	<b>LUAU BBQ PARTY AT NESFI</b> <i>New England Small Farm Institute</i> Hugh McLaughlin, Alterna Biocarbon Amanda Ravenhill, Presidio Graduate School	

## Thursday, October 17

9:00 - 4:00	<b>TECH FIELD DAY</b> <i>New England Small Farm Institute</i> Small and Mid Sized Tech Demonstrations and Workshops
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### FOR MORE INFORMATION

website <http://symposium2013.pvbiochar.org>

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