

SOIL HEALTH

A Global Imperative



AGENDA

4th Annual Meeting

July 16-18, 2019

Hyatt Regency

Sacramento, California USA



SOIL HEALTH
— INSTITUTE —

UNIFY ■ RESTORE ■ PROTECT



AGENDA

Tuesday, July 16

- 3:00-6:00 REGISTRATION
4:00-6:00 POSTER SESSION
6:00-7:30 RECEPTION

Wednesday, July 17

- 7:00-7:45 BREAKFAST

PLENARY SESSIONS

- 8:00-8:15 WELCOME
Dr. Wayne Honeycutt, Soil Health Institute
Mr. Steven Rhines, Noble Research Institute
- 8:15-8:30 *Priorities and Strategies for Advancing Soil Health*
Dr. Wayne Honeycutt, Soil Health Institute

POLICY

- Session: ***Soil Health Policies in Action***
Moderator: Dr. Timothy Griffin, Tufts University
- 8:30-8:45 *Connecting the Policy Dots for Soil Health*
Dr. Timothy Griffin, Tufts University
- 8:50-9:05 *California's Healthy Soils Program*
Ms. Karen Ross, Secretary, California Department of Food and Agriculture
- 9:10-9:25 *What's in the Farm Bill for Soil Health?*
Ms. Alyssa Charney, National Sustainable Agriculture Coalition

RESEARCH and DEVELOPMENT

- Session: ***Advances in Soil Health Research***
Moderator: Dr. LaKisha Odom, Foundation for Food and Agriculture Research
- 9:30-9:45 *Next Frontiers in Soil Health*
Dr. LaKisha Odom, Foundation for Food and Agriculture Research
- 9:50-10:05 *The Rangeland Monitoring Network: Connecting Soil Health to Biodiversity and Stewardship on California's Rangelands*
Dr. Libby Porzig, Point Blue Conservation Science

- 10:10-10:25 **EMAIL BREAK**



AGENDA

- 10:25-10:40 *One Size Does Not Fit All*
Dr. Alex McBratney, University of Sydney
- 10:45-11:00 *ARS Soil Microbiome and Soil Ecosystem Research – Brief Overview and Example of An Extensive Research Enterprise*
Dr. David Knaebel, USDA-ARS
- 11:05-11:20 *Exploring Soil Health – Human Health Connections*
Dr. David Collier, M.D., Brody School of Medicine, East Carolina University
- ECONOMICS**
Session: *Filling the Economics Gap for Farmers*
Moderator: Dr. Rob Myers, USDA-SARE
- 11:25-11:40 *Evaluating the Dollars and Sense of Cover Cropping to Improve Soil Health*
Dr. Rob Myers, USDA-SARE
- 11:45-12:00 *The Economics of Soil Health*
Dr. Shefali Mehta, Soil Health Partnership
- 12:05-1:00 **LUNCH**
- ECONOMICS (continued)**
- 1:00-1:15 *Catalyzing a National Ecosystem Services Market*
Mr. Sean Penrith, Gordian Knot Strategies
- CONSUMER & FARMER EDUCATION**
Session: *Dimensions of Adoption*
Moderator: Ms. Pipa Elias, The Nature Conservancy
- 1:20-1:35 *Non-Operator Landowners: Demographics & Opportunities for Engagement on Soil Health*
Ms. Pipa Elias, The Nature Conservancy
- 1:40-1:55 *Enhancing Adoption of Soil Health Systems: The Arkansas Experience*
Dr. Bill Robertson, Univ. of Arkansas Cooperative Extension
- 2:00-2:15 *Actionable Links to Promote Adoption of Soil Health Systems: A Transdisciplinary Economic, Social, and Soil Science Approach*
Dr. Cristine Morgan, Soil Health Institute



AGENDA

MEASUREMENT, STANDARDS, & ASSESSMENT

Session: ***Determining Effective Measurements of Soil Health***

Moderator: Dr. Cristine Morgan, Soil Health Institute

- 2:20-2:30 *North American Project to Evaluate Soil Health Measurements*
Dr. Cristine Morgan, Soil Health Institute
- 2:30-2:35 *An Overview of the NAPESHM Protocols*
Dr. Shannon Cappellazzi, Soil Health Institute
- 2:35-2:40 *A Synopsis of Cropping Systems and Soil Health Promoting Practices*
Dr. Kelsey Hoegenauer, Soil Health Institute
- 2:40-2:45 *A Synopsis of Grazing Systems, Climates, and Soils*
Dr. Charlotte Norris, Soil Health Institute
- 2:45-2:50 *Sampling Adventures in Mexico*
Dr. Paul Tracy, Soil Health Institute
- 2:50-2:55 *A Preliminary Sketch of Saturated Hydraulic Conductivity*
Dr. Mac Bean, Soil Health Institute
- 2:55-3:00 *In Anticipation of Soil Organic Carbon and Enzyme Dynamics*
Dr. Dan Liptzin, Soil Health Institute
- 3:00-3:05 *Identifying Genomic Indicators of Soil Function*
Dr. Liz Rieke, Soil Health Institute
- 3:05-3:10 *The NAPESHM Project Database*
Dr. Michael Cope, Soil Health Institute
- 3:10-3:20 Facilitated Q/A
Dr. Cristine Morgan, Soil Health Institute
- 3:20-3:35 **EMAIL BREAK**
- Special Session: ***CONNECTIONS TO THE LAND***
Moderator: Dr. Wayne Honeycutt, Soil Health Institute
- 3:35-3:50 *Our Changing Environment: Native American Perspectives*
Mr. Nick Tapon, Elder & Member, Federated Indians of Graton Rancheria
- 3:50-4:05 *Understanding Indigenous Māori Values of Soil – Rebuilding Our Knowledge Frameworks*
Dr. Jessica Hutchings, Kaupapa Māori Researcher and Author
- 4:05-4:20 *Through the Lens of an Organic Farmer*
Mr. Klaas Martens, Farmer
- 4:20-4:35 *Life Experiences of a 4th Generation Oklahoma Farmer*
Mr. Jimmy Kinder, Farmer



AGENDA

4:35-5:00 Panel Discussion
Moderator: Dr. Wayne Honeycutt, Soil Health Institute

5:30-6:30 *A Tribute to Vineyard Soils*

6:30-8:00 **DINNER**

Thursday, July 18

7:00-7:45 **BREAKFAST**

8:00-10:30 **CALL TO ACTION** – *New and Renewed Action Teams*
Dr. Wayne Honeycutt, Soil Health Institute

ACTION TEAM WORKING SESSIONS

- Economics
- Measurement
- Research & Development
- Communications & Education
- Policy

10:30-10:45 **EMAIL BREAK**

10:45-12:00 **ACTION TEAM PLANS** – *New and Renewed Action Teams*
Moderator: Mr. Sheldon Jones, Soil Health Institute

- Economics
- Measurement
- Research & Development
- Communications & Education
- Policy

12:00 **CLOSING**
Dr. Wayne Honeycutt, Soil Health Institute