



SUNDAY, JULY 31 – WORKSHOPS & GROUP PROJECTS (concurrent)

8:30 AM-12:00 PM

- *INFAS Meeting* 8:00-10:00 AM Stevenson Fireside

■ *SAEA Steering Committee Meeting* 8:00-10:00 AM Stevenson Community Room
- *CASFS Apprenticeship Train-the-Trainer Demonstration Activities* 8:30 AM-12:00 PM See locations below:

In this series of 4 hands-on workshops and demonstrations, UCSC Apprenticeship staff will demonstrate how they teach field-based lessons in horticulture, how social justice issues are integrated into the program, and how to use the recently edited organic farming training manuals that are based upon their innovative and multidisciplinary curriculum

 - ◆ *Hands-On Teaching Tractor Cultivation and Weed Management* 8:30-9:30 AM CASFS Packing Shed
Darryl Wong, Farm Site and Research Lands Manager, CASFS
 - ◆ *Integrating Horticulture and Social Justice* 8:30-9:30 AM CASFS Veggie Shed
Christof Bernau, and **Kellee Matsushita-Tseng**, Farm Garden, CASFS
 - ◆ *Hands-On Irrigation at UCSC Farm & Garden* 11:00-11:45 AM CASFS Packing Shed
Jane Kuhn, Field Production Specialist, CASFS
 - ◆ *Using the UCSC CASFS Training Manuals: Teaching Organic Farming and Gardening and Teaching Direct Marketing* 11:45 AM-12:00 PM CASFS Packing Shed
Albie Miles, Sustainable Community Food Systems, University of Hawai'i
- *Mapping Tools for Farmland Access: Combining Public Records and Local Knowledge* 8:30-10:45 AM Cowell CLS 216

Adam Calo, UC Berkeley, Kathryn DeMaster, ESPM, Seongtaek Lim, UCB School of Information | The Farmland Monitoring Project (FMP) is a tool for investigating the availability of farmland in the California Central Coast. The FMP presents basic land quality data, ownership data from the county assessor, and also accepts direct submissions from farmers and landowners. In the workshop we will introduce the scope of the project, solicit much needed feedback from participants and practice viewing and entering data about farmland availability. The goal of the project is to provide new methods of land linking, but also bring together a common source of public and local knowledge about the state of land access for agriculture. A pilot version of the FMP is available here <https://farmview.herokuapp.com>
- *How to Better Understand Farmers' Thinking About Soil Management to Encourage Investment in the Soil* 8:30-9:45 AM Stevenson Silverman

Rex Dufour, NCAT (National Center for Appropriate Technology) | This roundtable discussion will focus on approaches to working with farmers about changing their thinking about soil management, beyond simply applying NPK fertilizer, to thinking about the soil as an ecological system, and managing it (and investing in it) in that context. Facilitator will provide a context of challenges faced by farmers and then steer discussion to what kinds of approaches are successful in changing farmers' mental models of soils and their management.
- *Designing Inquiry Activities in Agricultural Education* 8:30-9:45 AM Stevenson CLS 150 & Chadwick Garden

Monika Egerer and Hamutahl Cohen, Environmental Studies Dept., UCSC | How do you incorporate research-based teaching methods into your agricultural curriculum? Inquiry-based pedagogy provides instructors with tools to identify practice goals and content goals, utilize backwards design, design thinking tools and starters, and conduct post-teaching assessment. This workshop will guide participants through a 2-day farm activity on biocontrol developed by UCSC graduate students for incoming STEM undergraduate students without agricultural backgrounds. Participants will leave the workshop with guidelines and strategies for how to help them structure their own inquiry activities.
- *Engaging Undergraduates in Farm and Garden Education for Children and Youth* 8:30 AM-12:00 PM Life Lab Garden

John Fisher, Life Lab, UCSC and Carol Hillhouse, UC Davis | Spend some time at the Life Lab Garden Classroom on the UCSC Farm to discuss ways of teaching sustainable ag concepts to K-12 students. This hands on workshop lead by farm educators at UCSC and UC Davis will explore the ins and outs of running farm and garden-based program for local schools including: educational garden design; developing program themes; and recruiting/mentoring college students.
- *MA'O Organic Farms Youth Leadership* 8:30 AM-12:00 PM Stevenson Event Center

Gary and Kukui Maunakea-Forth, Kamuela Enos, Kauai Sana, Neil Hannahs: **MA'O Organic Farms Youth Leadership Training Program** | In this 2-hour interactive workshop, the farmers and leadership team of MA'O Organic Farms will discuss the history, structure, operations and impact of this highly innovative youth leadership-training program in Wai'anae, Hawai'i (O'ahu). MA'O Organic Farms is a 25-acre working certified organic farm and social-enterprise employing Native Hawaiian and Pacific Islander youth and supports them through college graduation. For more information, go to links on MA'O Organic Farms – <http://maoorganicfarms.org/videos> , Wai'anae – https://www.youtube.com/watch?v=JVxT80v_6Cc and the Hawai'i food system – <https://www.youtube.com/watch?v=iXE0mcq0-o4>
- *Can Training Programs Help Urban Farmers Deal with Soil Contamination?* 8:30-9:30 AM Cowell CLS 131

Sarick Matzen, UC Berkeley, Joshua Arnold, UC Berkeley | As farming the city gains popularity, farmers have questions about soil contamination. Researchers seek to share knowledge about properties unique to urban agroecosystems, yet many questions remain unanswered. Our session will discuss current research, case studies, and best practices to help contextualize these challenges. We hope to engage participants in understanding the nuances of urban soil contamination, and collectively consider beneficial ways of sharing knowledge on these important yet complicated topics.

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- *Beyond the Field Trip: A Workshop to Build Stronger Connections Between Academics and Practitioners* 8:30-10:45 AM **Cowell Library**

Emily McGinty, Duke Campus Farm, Duke University | Connecting field and classroom presents unique challenges. This workshop will explore questions like: How can academics build intellectually rigorous farm visits? How can campus farms communicate their institutional + intellectual value? What are best practices/fruitful missteps to share? We will present a case study from a demonstration garden at our one-acre farm. We grow cotton, indigo, and tobacco in hopes of starting conversations around complex histories of race and rural economy.
 - *Building a Farmer Educator Network* 8:30-9:45 AM **Cowell CLS 113**

Jessy Beckett Parr, CCOF, and Evan Wiig, Farmer's Guild | This workshop will explore how to form and operate regional collaborations that support the education of local farmers. The Farmer Educator Network, initially a BFRDP grant, has been run by CCOF and CASFS for the past four years to bring agricultural educators together to collaborate and share best practices. The California-based Farmers Guild operates a statewide network of "guilds" where farmers of all ages share skills and learn about resources from a variety of support organizations. Come learn the structure, lessons learned and how to set up such networks in your region.
 - *Student Leadership Development on a Student Farm: An Experiential Workshop and Discussion* 8:30 AM-12:00 PM **Stevenson Library**

Mark Van Horn, Maggie LaRoche, and Carol Hillhouse, UC Davis Student Farm | The UC Davis Student Farm's new Leadership Development Program (LDP) supports our 10-12 student employees and permanent staff. It consists of several components, including workshops on the technical and communication skills necessary for teaching, teamwork, and supervising peers. Two years into the LDP, we see that it benefits the entire farm community. Our workshop includes: a brief LDP overview; engaging participants in an LDP workshop activity; and a group discussion about other approaches and ideas.
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- *Sustainable Agriculture Policy Education: Goals, Resources, and Needs Assessment for SAE* 9:45 AM-12:00 PM **Cowell CLS 131**

Mark Lipson, UCSC, CASFS | This will be an interactive process led by Mark Lipson, UCSC/CASFS (and others TBD). Participants will be asked to share information, questions, needs and aspirations relative to public policy as an aspect of SAE programs generally, and particular SA policy issues specifically. This process will provide the basis for (at least) an SAEA resource map/guide for the field, and help define the need for further development of curriculum and training resources. The state of public policy support for SAE generally will also be discussed, and potential objectives for organizing efforts to increase or shift the focus of public funding and policies.
 - *Where to Start? Student-Led, Community Engaged Efforts to Effect Change in a Campus Food System* 9:45-10:45 AM **Cowell Community Room 121**

Courtney Peetz, Evergreen Food Systems Working Group, Evergreen State College, Real Food Challenge | Students from Evergreen State College offer a case study in working to bring comprehensive accountability to their campus food systems through the Real Food Challenge (RFC) initiative. As the RFC was implemented, campus food purchasing was held to a new standard, a food system policy was developed, and students, faculty and administrators established a working group to identify and pursue further goals. Lessons and insights from this process can inform similar efforts at other schools and contribute to the conversation about the role of higher education in broader food system change.
 - *Students' Role in Fundamentally Transforming the Food System* 11:00 AM-12:00 PM **Cowell Community Room 121**

Stephanie Yee, Real Food Challenge, CSUMB, and **Hannah Weinronk**, Real Food Challenge, UMass | Students and young people play a key role in transforming the food system. From organizing on campus to coordinating actions nationwide. This workshop is to build our collective analysis to design short, medium, and long term strategies to re-shape our food system, and to learn about the role of students in this fight.
 - *Learning Assessments and Program Evaluation of Educational Outcomes for Beginning Farmer Programs* 9:45 AM-12:00 PM **Cowell CLS 113**

Jan Perez, CASFS, UCSC, and Megan Fehrman, Rogue Farm Corps | The purpose of this workshop is to orient participants to different strategies for beginning farmer program evaluation and help them develop or refine their evaluation plan or instruments. During this workshop, participants will learn about different strategies and instruments used for evaluation at CASFS and Rogue Farm Corps and why these strategies were chosen. In the last half of the workshop, we'll work with participants' evaluation plans and instruments.
 - *Ecologies of Terroir: Engaging Taste for a Just and Sustainable Agriculture* 9:45-10:45 AM **Stevenson Silverman**

Sarah Williams, and Martha Rosemeyer, Agricultural Ecology, Evergreen State College | What can happen – and why does it matter – when we learn to savor the terroir of cacao as chocolate? Designed as a Tasting Lab that models our experiences with The Evergreen State College food systems curriculum, you'll place your chocolate tastes on panels of Bosch's The Garden of Earthly Delights in response to questions like: Can you taste Fair Trade? Why have few of the world's cacao growers have ever tasted chocolate?
 - *Educational and research needs of organic farmers* 11:00 AM-12:00 PM **Stevenson Silverman**

Joanna Ory, Organic Farming Research Foundation (OFRF) | This session will present the results of the 2015 national survey with 1,000 organic farmers. The research results to be highlighted include information on the informational formats (articles, webinars, field days, etc.) and sources (university, government, NGO, etc.) that are most valued by organic farmers. I will focus on survey results that describe the most effective strategies for bringing scientific research to farming practitioners. These results will be useful in aiding educators in the creation of materials geared towards a farmer audience.