Joint Strategic Initiatives Conference
October 5–7, 2015
Sheraton Grand Sacramento

Healthy Communities   Healthy Food Systems
Healthy Environments

Healthy Californians

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University of California
Agriculture and Natural Resources
From the Vice President

Working closely with internal and external stakeholders, University of California's (UC) Division of Agriculture and Natural Resources (ANR) developed a Strategic Vision to guide its research and extension efforts into the 21st century. For the past six years, this strategic plan has aligned UC ANR well with the mission of the UC system and offered a strong platform from which to address the challenges and opportunities facing California.

There are five multidisciplinary Strategic Initiatives that represent a unique opportunity for UC ANR’s considerable infrastructure and talent to seek new resources and new ways of partnering within and outside UC to find solutions for California:

- Water Quality, Quantity and Security (Water)
- Sustainable Natural Ecosystems (SNE)
- Sustainable Food Systems (SFS)
- Healthy Families and Communities (HFC)
- Endemic and Invasive Pests and Diseases (EIPD)

This conference highlights results of UC ANR’s most recent groundbreaking research and outreach programs designed to benefit California and its citizens. The project-based breakout sessions will be followed by a plenary presentation highlighting the policy impacts of ANR programs.

Farmers, ranchers and natural resource managers have relied upon cutting-edge research and new technologies, disseminated through Cooperative Extension, from UC ANR for the past century. With UC ANR’s help, producers have increased yields, improved water-use efficiency, reduced pesticide loads, made food safer, become more sustainable and expanded export markets. California communities and the economy have benefitted from successful new industries and sustainable ecosystems. California’s youth have benefitted from educational programs that emphasize science, citizenship, nutrition and well being.

I look forward to discussing the future or our Division with you in the days ahead.

Glenda Humiston
UC ANR Vice President

UC ANR envisions a thriving California in 2025 where healthy people and communities, healthy food systems and healthy environments are strengthened by a close partnership between the University of California and its research and extension programs, and the people of the state. The University remains connected and committed to the people of California, who enjoy a high quality of life, a healthy environment, and economic success in a global economy.

UC ANR Strategic Vision

From the Conference Planning Committee

Welcome to the 2015 UC ANR Joint Strategic Initiatives Conference! In addition to its science and professional development sessions, this conference features research and outreach from all five initiatives. Acknowledging the overlap between issues that each Strategic Initiative addresses, the Strategic Initiative leaders have brought all five initiatives together for the first time. This will promote a common understanding of UC ANR work across programmatic areas and facilitate the types of cross-discipline synergies that UC ANR hopes to foster. We will also assess current and future directions for UC ANR and discuss what is working and where changes may be needed.

With the Strategic Initiatives beginning to mature, this conference will allow us to look at what the Strategic Initiatives have achieved and discuss plans for the future. This is also an opportunity to explore how the Strategic Initiatives might evolve to meet current and future needs of Californians.
Monday, October 5

Program Teams and Workgroups Meetings
see separate document for times and locations

4:00 PM  Poster Set Up—Magnolia Ballroom
5:30-7  Registration—Ballroom Foyer
6:30  Meet UC ANR Vice President Glenda Humiston

Poster Reception and Strolling Dinner—Camellia/Gardenia Ballroom

Tuesday, October 6

7:00 AM  Registration—Ballroom Foyer and Breakfast—Magnolia Ballroom
8:00  Plenary Session—Camellia/Gardenia Ballroom
Welcome and Introductions—Doug Parker, Conference Co-Chair and Water Strategic Initiative Leader
8:05  ANR and Strategic Initiatives: Where are we now and where are we going?—Glenda Humiston, Vice President
8:25  Breakout Sessions: Where do we want to go in the next five years?—David Doll, Conference Co-Chair and SFS Strategic Initiative Leader
9:30  Break—Ballroom Foyer
10:00  Strategic Initiative Concurrent Sessions
EIPD—Tofanelli Room
HFC—Gardenia Ballroom
SNE—Carr Room
SFS—Camellia Ballroom
Water—Bataglieri Room

Noon-1:30 PM Lunch—Magnolia Ballroom
Discussion with Janet Napolitano, President, University of California, and Glenda Humiston, Vice President, UC Division of Agriculture and Natural Resources

1:30  Highlighted Research Projects
(see page 4)
4:35  Lightning Rounds to Highlight Impacts and Programs
(see page 5)
4:55 PM  Break—Ballroom Foyer
5:15  Assessing the Impact of the ANR Competitive Grants Program on Policy and Decision Making—Camellia/Gardenia Ballroom
Clare Gupta, Dept. of Human Ecology, UC Davis and Dave Campbell, Dept. of Human Ecology, UC Davis
Moderated by Bill Frost, Associate Vice President, ANR, and Associate Director, Agricultural Experiment Station (AES) and Cooperative Extension
6:00  Stakeholders’ Reception with Posters and Strolling Dinner—Magnolia Ballroom

Portraits
ANR employees can have a high quality professional photo taken. See staff in the Ballroom Foyer on Monday from 3-8 PM.
# 2015 Joint Strategic Initiatives Conference

## October 5-7, 2015

### Tuesday, 1:30–4:30 Highlighted Research Projects

<table>
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<tr>
<th>Time</th>
<th>Concurrent Session 1</th>
<th>Concurrent Session 2</th>
<th>Concurrent Session 3</th>
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| 1:30–2:00 | 1A. Promises and Pitfalls: Adapting New Technology for Water Management—Subsurface Drip Irrigation in Alfalfa  
Dan Putnam, Dept. of Plant Sciences, UC Davis | 2A. Thousand Cankers Disease and the Walnut Twig Beetle: A Rapidly Emerging Invasive Threat to Walnut in California (2011–2014)  
Richard Bostock, Dept. of Plant Pathology, UC Davis | 3A. Resources for Outdoor Hog Production  
Theresa Becchetti, UC ANR Cooperative Extension, Stanislaus and San Joaquin Counties |
| 2:00–2:30 | 1B. A Multi-Component, School-Based Approach to Supporting Regional Agriculture, Promoting Healthy Behaviors, and Reducing Childhood Obesity  
Sheri Zidenberg-Cherr, Dept. of Nutrition, UC Davis | 2B. Improving Irrigation and Nitrogen Management of Coastal Vegetable and Berry Crops  
Michael Cahn, UC ANR Cooperative Extension, Monterey County | 3B. Wild Native Bees Attracted to Constructed Diverse Agro Ecosystems for Pollination Services  
Gordon Frankie, Dept. of Environmental Science, Policy and Management, UC Berkeley |
| 2:30–3:00 | 1C. Ecosystem Services Interpretative Trails and Curriculum – Interpreting the Value of Working Landscapes to the Public and Policy Makers  
Valerie Williamson, Dept. of Nematology, UC Davis | 3C. Helping Youth Thrive: A Randomized-Controlled Trial of a Community-Based Positive Youth Development Program  
Kali Trzesniewski, 4-H Youth Development Program and Dept. of Human Ecology, UC Davis |
| 3:00–3:30 BREAK | | | |
| 3:30–4:00 | 1D. Creek Carbon: Sequestering Carbon with Watershed Restoration Conservation Practices  
David Lewis, UC ANR Cooperative Extension, Marin and Napa Counties | 2D. Informing Land-Use Planning with Interactive Soil Survey Apps  
Toby O’Geen, Dept. of Land, Air and Water Resources, UC Davis | 3D. New Winter Annual Oilseeds are Promising Alternative Crops for Food, Feed, and Biofuel in California  
Stephen Kaffka, Dept. of Plant Sciences, UC Davis |
| 4:00–4:30 | 1E. Risk Assessment and Extension Education to Prevent and Control Pneumonia in Dairy Calves  
Sharif Aly, Veterinary Medicine Teaching & Research Center, UC Davis | 2E. Risk Assessment, Economic Analysis, and Extension Education for Asian Citrus Psyllid and Huanglongbing Disease Management in California  
Beth Grafton-Cardwell, Dept. of Entomology, UC Riverside and UC ANR Lindcove Research and Extension Center | 3E. Putting Youth on the Map: Youth Well-being and Vulnerability in California  
Jonathan London, Dept. of Human Ecology, UC Davis and UC Davis Center for Regional Change |
Tuesday, 4:35–4:55 Lightning Rounds to Highlight Impacts and Projects

Concurrent Session 1—Camellia Ballroom
Moderator: Keith Nathaniel, Leader, HFC Strategic Initiative

1F: Developing a Youth, Families & Communities Program: Lessons from San Luis Obispo & Santa Barbara and Placer & Nevada Counties
Katherine Soule, UC ANR Cooperative Extension, San Luis Obispo County

1G: Animal Welfare Proficiencies Project for 4-H Youth
Martin Smith, Veterinary Medicine, UC Davis Dept. of Human and Community Development, UC Davis

1H: Forestry: Science and Environmental Literacy
Mike De Lasaux, UC ANR Cooperative Extension, Plumas-Sierra Counties

1I: Healthy Kids Obesity Risk Assessment Demonstrates Predictive Validity in Sample Low-Income Children
Marilyn Townsend, Dept. of Nutrition, UC Davis

1J: Engaging Stakeholders to Create Usable Science on Working Landscapes
Leslie Roche, Dept. of Plant Sciences, UC Davis

Concurrent Session 2—Gardenia Ballroom
Moderator: John Harper, Leader, SNE Strategic Initiative

2F: Sorghum as a Low-Input Crop for Feed, Bioenergy and Food in California
Jeff Dahlberg, UC ANR Kearney Agricultural Research and Extension Center

2G: A Decision-Support Tool to Enhance Site-Specific Grassland Management, Across Variable Weather Conditions
Valerie Eviner, Dept. of Plant Sciences, UC Davis

2H: Evaluating and Extending the Use of Small Unmanned Aerial Vehicles (UAVs) as a Crop Monitoring Tool
David Doll, UC ANR Cooperative Extension, Merced County

2I: Leaching Fractions Achieved in South Delta Soils under Alfalfa Culture
Michelle Leinfelder-Miles, UC ANR Cooperative Extension, San Joaquin County

2J: Indirect Effects of Field Management on Pollination Service and Seed Set in Hybrid Onion Seed Production
Rachael Long, UC ANR Cooperative Extension, Yolo County

Concurrent Session 3—Bataglieri Room
Moderator: Doug Parker, Leader, Water Strategic Initiative

3F: Stakeholder Driven Solutions: The Case of Identifying Critical Uses of Chlorpyrifos as an Example of UC Statewide IPM Program to Inform Policy Makers and Strengthen Decision Support for Integrated Pest Management (IPM)
Lori Berger, Integrated Pest Management Program

3G: Water Use and Performance of Ornamental Planting in Six California Climate Zones
Janet Hartin, UC ANR Cooperative Extension, San Bernardino County

3H: Efficacy of Rodenticides for Roof Rat and Deer Mouse Control in Orchards
Niamh Quinn, UC ANR South Coast Research and Extension Center

3I: Automation of Surface Irrigation Systems
Khaled Bali, UC ANR Cooperative Extension, Imperial County and Desert Research and Extension Center

3J: Neoscytalidium Hyalinum and Eutypella Spp. Causing Citrus Branch Canker and Dieback in the Southern California Desert Regions
Akif Eskalen, Dept. of Plant Pathology and Microbiology, UC Riverside
### Wednesday, October 7

**7:00 AM**  
Registration—Ballroom Foyer, and  
Breakfast—Magnolia Ballroom  

**8:00**  
In-Service Trainings (see table below)  

**12:30**  
Lunch—Magnolia Ballroom  
Summary of Input from Tuesday—John Harper, Leader, SNE Strategic Initiative

#### Wednesday, 8:00-12:30 Concurrent In-Service Trainings

| 8:00-9:00 | T-1. Web Mapping and Mobile Data Collection (continues after break)  
Baker/Hendricks/Kamilas Rooms | T-2. Translating Research to Policy  
Camellia Ballroom | T-3. Practical Methods for Measuring Outcomes  
Gardenia Ballroom | T-4. Public and Media Outreach  
Carr Room | T-5. Reaching Diverse, Non-English Speaking Audiences  
Bataglieri Room | T-7. Strategic Social Media  
Tofanelli Room | T-9. Future of IT at ANR  
Companigo Room | T-11. Who Has the Funding and How Do I Get My Share?  
Bondi Room |
|---|---|---|---|---|---|---|---|---|
| 9:00-10:00 | T-1 (continued). Web Mapping and Mobile Data Collection for ANR  
Baker/Hendricks/Kamilas Rooms | T-13. Translating Research to Policy  
Tofanelli Room | T-14. Practical Methods for Measuring Outcomes  
Carr Room | T-15. Public and Media Outreach  
Camellia Ballroom | T-6. How to Extend your Research Through ANR Publishing  
Bataglieri Room | T-8. Putting Your Best Face Forward: How to Promote Your Program Using the ANR Brand  
Tofanelli Room | T-10. Agile Project Management for Everyone  
Companigo Room | T-12. Writing a Better Letter of Intent (LOI)  
Bondi Room |
| 10:30-11:30 | T-1. Web Mapping and Mobile Data Collection for ANR  
Baker/Hendricks/Kamilas Rooms | T-13. Translating Research to Policy  
Tofanelli Room | T-14. Practical Methods for Measuring Outcomes  
Carr Room | T-15. Public and Media Outreach  
Camellia Ballroom | T-16. Reaching Diverse, Non-English Speaking Audiences  
Bondi Room | T-17. Strategic Social Media  
Gardenia Ballroom | T-18. Future of IT at ANR  
Companigo Room | T-19. Who Has the Funding and How Do I Get My Share?  
Bataglieri Room |
| 11:30-12:30 | T-1. Web Mapping and Mobile Data Collection for ANR  
Baker/Hendricks/Kamilas Rooms | T-13. Translating Research to Policy  
Tofanelli Room | T-14. Practical Methods for Measuring Outcomes  
Carr Room | T-15. Public and Media Outreach  
Camellia Ballroom | T-16. Reaching Diverse, Non-English Speaking Audiences  
Bondi Room | T-17. Strategic Social Media  
Gardenia Ballroom | T-18. Future of IT at ANR  
Companigo Room | T-19. Who Has the Funding and How Do I Get My Share?  
Bataglieri Room |

### Thursday, October 8

Program Teams and Workgroups Meetings  
see separate document for times and locations

### Program Teams and Workgroups Meetings

**see separate document for times and locations**
Anr Statewide Programs and Institutes

These will be displayed in the Ballroom Foyer throughout the conference. Be sure to visit them to learn about these ANR programs!

Agricultural Issues Center (AIC)    Master Food Preserver Program
California Institute for Water Resources (CIWR)    Nutrition Policy Institute (NPI)
California Naturalist Program    Sustainable Agriculture Research and Education Program (SAREP)
Informatics and Geographic Information Systems (IGIS)    Youth, Families and Communities (YFC) Program, includes: 4-H Youth Development Program, Expanded Food and Nutrition Education Program (EFNEP) and 4-H Center for Youth Development
Integrated Pest Management Program (IPM)    Master Gardener Program
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Sheraton Grand Sacramento
Ballroom Level

- Tuesday Breakfast
- Tuesday Lunch
- Tuesday Poster Reception
- Wednesday Breakfast

- Registration
- Professional Portraits

- Monday Poster Reception
- Tuesday Plenary Session

- Statewide Program Displays

2nd Level

3rd Level

To Access 3rd Level, Take the Main Elevator to “3”.