

FEEDING THE GROWING POPULATION
MAINTAINING THE PLANET

Wedges Against Global Hunger in 2050 conference

Reframing the narrative

January 24th & 25th, 2019

RIVERSIDE CULVER CENTER | 8 AM TO 8 PM



**Global Food
Initiative**
UNIVERSITY OF CALIFORNIA



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UNIVERSITY OF CALIFORNIA
College of Natural &
Agricultural Sciences

Reframing the narrative

For more than a decade, food policy experts have warned global food production must nearly double to adequately feed 2050's projected population of 9 to 10 billion. The warning's assumptions extrapolate the status quo: e.g., stable population growth rate, ca. 35% of food wasted, and increasing per-capita meat consumption. Thus, the situation is more complex than a simple demographic model with a potentially unsustainable solution. More recently, analyses of the world's agri-food system suggest a more realistic and sustainable solution might be obtained through multidisciplinary coordinated interventions (a "wedge" approach).

The "Wedges against Global Hunger in 2050" Conference assembles an array of participants including individuals from academics, NGOs, non-profits, government, and private industry representing not only agricultural and natural sciences but also the humanities, engineering, policy, and social sciences. Speakers will both deconstruct the issue and examine the broad array of potential diverse solutions, which, if properly aligned, may be superior to any single "silver bullet". After a day and a half of presentations, a set of breakout workshops will be devoted to crafting one or more realistic, sustainable solutions. The results will be presented and discussed in the final plenary session to identify possible followup activities. The conference will be synthesized in the closing keynote address. In the following months, UCR students will use the outcomes to organize their own post-conference panel series and other activities.

The conference has been primarily organized by UCR's California Agriculture and Food Enterprise (CAFÉ) with assistance from the University of California Global Food Initiative and UCR's College of Natural and Agricultural Sciences

Wedges Against Global Hunger in 2050" Conference TENTATIVE Program

DAY 1 - 24 January 2019

8:00 a.m. **Registration and Continental Breakfast**

9:00-9:15 a.m. **Welcome & Introduction**

Norman Ellstrand, Director, CAFE and Distinguished Professor of Genetics, University of California, Riverside

9:15-10:00 a.m. **Keynote opening lecture**

Timothy D. Searchinger, Research Scholar and Lecturer at the Woodrow Wilson School of Princeton University and Senior Fellow at the World Resources Institute
"Final Title to come – The Challenge of Feeding 9 Billion"

10:00-12:30 p.m. **Session 1, Deconstruction**

10:00-10:30 a.m. **Robert Horsch**, Deputy Director, Agricultural Research and Development, Bill & Melinda Gates Foundation (ret.)
"Innovation, equity and rates of change: considerations for a sustaining future"

10:30-11:00 a.m. Coffee Break, Posters & Student Booths

11:00-11:30 a.m. **Robert Valgenti**, Project Coordinator of E.A.T. (Engage, Analyze, Transform) Research Group, Menus of Change Research Collaborative (MCRC) Board Member and Professor of Philosophy and Chair of the Department of Religion and Philosophy at Lebanon Valley College
"Re-Writing the Narrative: University Dining as a Laboratory for Change"

11:30-12:00 p.m. **Olivia Sanchez**, City of Riverside Solid Waste Division and lead coordinator of Riverside's Food Rescue & Waste Prevention Ambassador Certification Program
Final Tile to come - New policies and programs that rescue food and reduce waste in the agriculture industry at scale

12:00-12:20 p.m. **Session 1 Panel Discussion**

12:20-12:30 p.m. **Poll everywhere interactive activity**

12:30-13:30 p.m. Lunch Break, Posters, & Student Booths

13:25-15:55 p.m. **Session 2, Improving the global agri-food system**

13:25-13:50 p.m. **Goggy Davidowitz**, Professor in Entomology, University of Arizona
"Edible insects and the nine billion problem"

13:50-14:15 p.m. **Rachel Surls**, Sustainable Food Systems Advisor, University of California Cooperative Extension, Los Angeles County *"Farming in the city: challenges and opportunities in the urban agriculture movement."*

14:15-14:40 p.m. **Rebekah Moses**, Senior Manager, Impact Strategy, Impossible Foods
"Transformative solutions to feed the future, without compromise"

14:40-15:05 p.m. Coffee Break, Poster & Student Booths

15:40-15:05 p.m. **Andy Knowlton**, Produce Manager, Feeding America. Final title to come -
Technology solutions to address the challenging logistics involved in food rescue.

15:30-15:50 p.m. **Session 2 Panel Discussion**

15:50-15:55 p.m. **Poll everywhere interactive activity**

15:55-16:00 p.m. **Day 1 Closing Remarks** Norman Ellstrand

DAY 2 - 25 January 2019

8:00-8:55 a.m. Breakfast

8:55-9:00 a.m. **Introduction to Day 2** Norman Ellstrand

9:00-12:55 p.m. **Session 3, Sharper wedges**

9:00-9:30 a.m. **Anthony Shelton**, Professor of Entomology at Cornell University and Associate Director of International Agricultural Programs
"How Bt brinjal is making a difference in the lives of Bangladesh farmers, consumers and the environment."

9:30-10:00 a.m. **Raoul Adamchak**, Farm Manager, University of California Davis Student Farm and co-author of Tomorrow's Table: Organic Farming, Genetics, and the Future of Food
"Sharpening the wedges against hunger with organic farming practices."

10:00-10:30 a.m. **Christopher Gardner**, Director of Nutrition Studies at the Stanford Prevention Research Center and Professor of medicine at Stanford University.
Final Title to come "Food and Society: Exploring Eating Behaviors in Social, Environmental, and Policy Context."

10:30-11:00 a.m. Coffee Break, Poster & Student Booths

11:00-11:30 a.m. **Susan Wessler**, Sue Wessler, Neil and Rochelle Presidential Chair for Innovation in Science Education, Distinguished Professor of Genetics, Home Secretary, US National Academy of Sciences *"Training and diversifying the next generation of (plant) scientists."*

11:30-11:50 a.m. **Session 3 Panel Discussion**

11:50-12:00 p.m. **Poll everywhere interactive activity**

12:00-13:30 p.m. Lunch Break, Posters & Student Booths

13:30-13:35 p.m. **Breakout workshop instructions**

13:35-14:30 p.m. **Concurrent Breakout Interactive Sessions 1, 2 and 3**

14:30-15:30 p.m. **Concurrent Breakout Interactive Sessions 1, 2 and 3**

15:30-16:00 p.m. Coffee Break, Posters & Student Booths

16:00-16:30 p.m. **Workshop reports and recommendations**

16:30-17:00 p.m. **Closing Keynote**
Glenda Humiston, University of California Vice President, Agriculture & Natural Resources

17:00-17:05 p.m. **Final Remark** **Norman Ellstrand**

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