



STATE OF THE SCIENCE SUMMIT



State of the Science Summit

Reducing Methane from Animal Agriculture

May 19-21, 2025 UC Davis ARC Ballroom

Day 1

1 - 2 PM	Regulatory Approval Process and Q&A California Department of Food and Agriculture, Commercial Feed Regulatory Program
2:30 - 3:30 PM	Regulatory Approval Process and Q&A AgriZero New Zealand Process and Q&A
5 - 6 PM	State of the Science Summit Registration Opens and Reception
6 - 6:30 PM	Opening Keynote Ilissa Ocko, Spark Climate Solutions
6:30 - 7 PM	State of the Science: Reducing Methane from Animal Agriculture Frank Mitloehner, UC Davis CLEAR Center



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Day 2

7:30 - 8 AM	Breakfast and Registration
8 - 8:15 AM	Karen Ross , Secretary, California Department of Food and Agriculture
8:15 - 8:45 AM	Nationally Determined Contributions to Reduce Emissions Aimable Uwizeye , Livestock Policy Officer United Nations Food and Agriculture Organization
8:45 - 9:45 AM	International Perspectives on Livestock Methane Moderator: Ermias Kebreab , UC Davis Anna Trillingsgaard , The Trade Council, Denmark John Roche , Chief Science Adviser, Ministry for Primary Industries, New Zealand Sathish Raju , CEO, Maharashtra Livestock Development Board (MLDB), India Gianni Motta , Head of Innovation, INAC, Uruguay



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9:45 - 10 AM	Break
10 - 11 AM	Leveraging Genetics for Low Methane Livestock Moderator: Robert Banks , Global Methane Hub Troy Rowan , University of Tennessee Birgit Gredler-Grandl , Wageningen University Alison Van Eenennaam , UC Davis Matthew Cleveland , ABS Global Elly Navajas , INIA
11 - 11:45 AM	Advancements and Barriers Toward a Methane Reducing Vaccine Moderator: Paul Wood , Global Methane Hub Colin South , Arkea Bio David Aitken , Lucidome Bio John Hammond , Pirbright Institute
11:45 AM - 1:15 PM	Lunch and Poster Session



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<p>1:15 - 2 PM</p>	<p>Measuring Cattle Methane Emissions and Reductions Moderator: Karen Beauchemin, Global Methane Hub Sara Place, AgNext, Colorado State University Chris Konek, Global Methane Hub Joe McFadden, Cornell University Luis Tedeschi, Texas A&M</p>
<p>2 - 2:45 PM</p>	<p>Emerging Feed Additives and Delivery Mechanisms to Reduce Enteric Methane Moderator: Frank Mitloehner, UC Davis George Reeves, Ruminant Biotech Spencer Diamond, Innovative Genomics Institute Ratul Chowdhury, Iowa State University Ermias Kebreab, UC Davis Mallory Honan, Environmental Defense Fund</p>
<p>2:45 - 3 PM</p>	<p>Break</p>



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<p>3 - 3:45 PM</p>	<p>Productivity from Enteric Methane Mitigation: Fact, Fiction, and Reality Moderator: Sinead Leahy, New Zealand Agricultural Greenhouse Gas Research Centre Sara Place, AgNext, Colorado State University Matthias Hess, UC Davis Rod Mackie, University of Illinois Jed Asmus, January Innovation, Inc.</p>
<p>3:45 - 4:30 PM</p>	<p>Beef Pathways to Climate Neutrality Moderator: Sam Werth, U.S. Roundtable for Sustainable Beef Steve Wooten, Cattle Rancher Greg Thoma, AgNext, Colorado State University Jason Rowntree, Michigan State University More Panelists to Come</p>
<p>4:30 PM</p>	<p>Gary S. May, Chancellor UC Davis</p>
<p>5 - 6 PM</p>	<p>Reception</p>



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Day 3

8 - 9 AM	Breakfast
9 - 9:15 AM	Helene Dillard, Dean, College of Agricultural and Environmental Sciences, UC Davis
9:15 - 10 AM	Financial Perspectives on Methane Mitigation Initiatives Renata Medeiros, ING Will Arnesen, University of Chicago, Market Shaping Accelerator Panelists to be Announced
10 - 10:45 AM	Public and Private Investment in Methane Mitigation Research, Technologies, and Adoption Moderator: Charles Brooke, Spark Climate Solutions Lauren Singer, Overview Capital Ruth Leary, AgriZeroNZ Juan Tricarico, Greener Cattle Initiative Hayden Montgomery, Global Methane Hub
10:45 - 11 AM	Break



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11 AM - 12 PM	<p style="text-align: center;">Communicating Methane Mitigation in Animal Agriculture</p> <p>Moderator: Joe Proudman, UC Davis CLEAR Center Natalie Kovarik, Kovarik Cattle Co., Discover Ag Podcast</p> <p>Jamie Luke, Michigan State University Ginger Orton, University of Georgia Kelly Davidson, University of Delaware</p>
12 - 2 PM	Lunch and Poster Session
2 - 2:30 PM	<p style="text-align: center;">Unexplored Impacts and Associations of Physiology in Methane Emissions</p> <p>Kelly Nichols, UC Davis Maggie Gill, University of Aberdeen</p>
2:30 - 3:15 PM	<p style="text-align: center;">Carbon Markets Role in Facilitating Livestock Methane Reductions</p> <p>Moderator: Claire Mahony, Managing Director, Ceres & Co and Industry Advisory Group, ZNE Ag CRC</p> <p>Paul Myer, Athian Martha Baker, Alltech Jenny Farmer, Livestock Data for Decisions</p>
3:15 - 3:30 PM	Break



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<p>3:30 - 4:30 PM</p>	<p>Facilitating Solutions in the Supply Chain Moderator: Michael Boccadoro, Dairy Cares Katie Cook, Elanco Daniel Peerless, Nestle Sarah Klopatek, JBS USA Anshuman Bhatia, Mars Snacking Vrashabh Kapate, EDF</p>
<p>4:30 PM</p>	<p>Ermias Kebreab, UC Davis</p>
<p>6 PM</p>	<p>No-Host Reception</p>