



United States
Department of
Agriculture

National Institute
of Food and
Agriculture

Data Summit: Changing the Face, Place, and Space of Agriculture

October 10, 2016

Big 10 Conference Center
Rosemont, Illinois

Preliminary Agenda

8:00 **Welcome and Opening Remarks**

Sonny Ramaswamy
Director, National Institute of Food and Agriculture

8:30 **Keynote**

Data Unleashed: Visualizing the Future of Agriculture, Health, and Future Generations
Krijn Poppe, Research Manager, Wageningen Economic Research, The Netherlands

9:00 **Exploring Anticipated Data Benefits and Opportunities**

Moderator:

Models for Big Data and Genomics

Pat Schnable, Distinguished Professor and Endowed Chair in Genetics, Iowa State University

Smart and Connected Communities: Innovating Cities of the Future

Daniel Hoffman, Chief Innovation Officer, Montgomery County, Maryland

Modeling Climate and Environment for Food Security

Kenneth Boote, University of Florida (invited)

Discussion

10:00 Break

10:15 **Human Elements of Agricultural Data: Connecting People with Data**

Moderator:

Insight from Data and Analytics to Guide Career Development and Collaborations

Holly J. Falk-Krzesinski, VP for Strategic Alliances in Global Academic Relations, Elsevier

Creating Opportunities for the Future Workforce

Richard Freeman, Herbert Ascherman Professor of Economics, Harvard University

Discussion



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11:00 **Exploring Potential Challenges in Data Application and Management**

Moderator: Molly Jahn, University of Wisconsin

Understanding Interconnected Systems

Rabi Mohtar, Texas A&M University

Enabling Data-Driven Action in the Private Sector

Richard Klavans, Founder and Chairman, SciTech Strategies (invited)

Data Challenges as Seen Through the Public Lens

*Keith Coble, Department Head and W.L. Giles Distinguished Professor of Agricultural Economics
Mississippi State University*

Discussion

12:00 **Organize for Afternoon Charge**

12:15 Lunch

1:00 **Breakout Groups:**

Identifying Opportunities for Agricultural Science to Advance Data-Driven Public Goods

1:00 **Ag Need Opportunity Questions**

Group 1-What are the most promising opportunities for data-driven advances in agriculture and the food-production system?

Group Leader: Reginald Fletcher, U.S. Department of Agriculture, Agricultural Research Service

Group 2-What are the most promising opportunities for enhancing cross-sector advances in data applications?

Group Leader: Edmund Schuster *(invited)*

Group 3-What are the most promising opportunities for data-driven advances to address societal well-being and consumer demands?

Group Leader: Elizabeth Kiss, Kansas State University

2:15 **Breakout Group Reports**

2:45 Break

3:00 **Data Science Enabling Questions**

Group 4-What are the most promising opportunities to address challenges of various facets of data management and application?

Group Leader: Jim Reecy, Iowa State University



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Group 5-What are the most promising opportunities to ensure future generations of data expertise?

Group Leader: *(invited)*

Group 6-What are the most promising opportunities for big data in communication, property rights, and communities? *(invited)*

Group Leader:

4:15 **Breakout Group Reports**

4:45 **Summary**

5:15 **Closing Remarks**

5:30 **Adjourn**