# The Long Run Sustainability of US Agriculture Conference

**September 17, 2018**

## Welcome and overview

8:45 – 9:00 AM

**Panel 1**

Land and Water Sustainability Stresses at Mid-century: Global Drivers of Local Changes

9:00 – 10:30 AM

Coffee Break

10:30 – 11:00 AM

**Panel 2**

The Potential for Productivity Growth to Contribute to Long Run Sustainability

11:00 – 12:30 PM

Lunch & Discussion

Lunch including discussion of key sustainability challenges

Report out of lunch roundtable discussions

1:45 – 2:00 PM

**Panel 3**

Managing Nitrate Leaching in the Corn Belt

2:00 – 3:30 PM

Coffee Break

3:30 – 3:45 PM

Synthesis Panel

Charting the Research and Policy Agendas, Announcements and Next Steps

3:45 – 5:00 PM

**Panel Presentations Format:**

- Overview of key findings (20 minutes)
- Reactions from private, public and NGO perspectives (20 minutes)
- Q&A with the audience (30 minutes)
- Insights from the GeoHub (20 minutes)

## Location

The National Press Club
529 14th St. NW, 13th Floor
Washington, DC 20045

Phone: (202) 662-7500

## Contact

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This conference is brought to you by Thomas Hertel, Distinguished Professor of Agricultural Economics (more information on his work and team on the back) and the Purdue Policy Research Institute. Support for this initiative is provided in part by grants from The Andrew W. Mellon Foundation and the US Department of Agriculture.

**First Amendment Lounge**
Panel 1 - Land and Water Sustainability Stresses at Mid-century: Global Drivers of Local Changes

James Dobrowolski, National Program Leader for Water, USDA National Institute of Food and Agriculture
Joseph Fargione, Chief Scientist for North America, The Nature Conservancy
Madhu Khanna, ACES Distinguished Professor in Environmental Economics; Associate Director for Research, Institute for Sustainability, Energy and Environment, University of Illinois, Urbana-Champaign
Roric Paulman, CEO, Paulman Farms
Robbin Shoemaker, National Program Leader for Economics, USDA National Institute of Food and Agriculture

Panel 2 - The Potential for Productivity Growth to Contribute to Long Run Sustainability

Keith Fuglie, Economist, United States Department of Agriculture, Economic Research Service
Thomas A. Green, President, IPM Institute of North America Inc.
Adrian Percy, Global Head of Research and Development, Bayer Crop Sciences
Jeff Rosichan, Director, Crops of the Future Collaborative Foundation for Food and Agriculture Research
Robin Schoen, Director, Board of Agriculture and Natural Resources, The National Academy of Sciences

Panel 3 - Managing Nitrate Leaching in the Corn Belt

James Galloway, Sidman P. Poole Professor of Environmental Sciences, University of Virginia
Ellen Gilinsky, President, Ellen Gilinsky, LLC
Eileen McLellan, Lead Senior Scientist, Ecosystems Program, Environmental Defense Fund
William Northey, Undersecretary, USDA; Alternate respondent: Mark Xu, Director, Resource Economic and Analysis Division, USDA
Jean Payne, President, Illinois Fertilizer and Chemical Association

Synthesis Panel

Ann Bartuska, Vice President, Land, Water and Nature, Resources for the Future
Constance Cullman, President, Farm Foundation
Chris Novak, CEO, CropLife America
Deborah Swackhamer, Professor Emerita, Water Center Co-Director, University of Minnesota and former Chair, EPA Science Advisory Board

Purdue University’s Global to Local Analysis of Systems Sustainability (GLASS)

GLASS is a self-sustaining community of researchers, partner organizations, and funders united in the effort to tackle the grand challenge problem of global sustainable agriculture and use of the world’s land and water resources in the 21st century.

Sustainability is a local concept with global significance. Global forces drive local (un)sustainability, and local responses to individual stresses can have global consequences. GLASS aims to (1) establish flagship examples of research highlighting tradeoffs and synergies associated with policies tackling the sustainable development goals, (2) produce policy briefs and other actionable recommendations for achieving the sustainable development goals, and (3) create the infrastructure and open-source tools necessary to develop a self-sustaining community of researchers, partner organizations, and funders.

Purdue Policy Research Institute (PPRI)

PPRI aims to bring the talents of the university community to bear on global challenge issues, catalyzing new areas of research and enhancing the impact of that research.

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Organizing Committee

Uris Baldos, Research Assistant Professor, Purdue University

Michael Boehlje, Distinguished Professor Emeritus and Center for Food and Agricultural Business, Purdue University

Laura Bowling, Professor of Agronomy, Purdue University

Sylvie Brouder, Professor and Wickersham Chair of Excellence, Department of Agronomy, Purdue University

Otto Doering, Professor of Agricultural Economics, Purdue University

Joseph Fargione, Chief Scientist for North America, The Nature Conservancy

James Galloway, Sidman P. Poole Professor of Environmental Sciences, University of Virginia

Thomas Hertel, Distinguished Professor of Agricultural Economics and GLASS Director, Purdue University

Christopher Kucharik, Professor and Head, Department of Agronomy, University of Wisconsin-Madison

Jing Liu, GLASS Research Coordinator, Purdue University

Navin Ramankutty, Professor and Canada Research Chair, Global Environmental Change and Food Security, University of British Columbia

Robbin Shoemaker, National Program Leader for Economics, USDA-NIFA

Carol Song, Senior Scientist, ITAP, Purdue University

Jeffrey Volenec, Professor of Agronomy, Purdue University

Breaking Through: Developing Multidisciplinary Solutions to Global Grand Challenges
The Mellon Foundation supports a unique approach to global grand challenges research, scholarly publishing and communication at Purdue. The approach catalyzes the involvement of humanists and social scientists in grand challenges research, innovation and policy formation, and embeds policy experts, publishing professionals, and libraries faculty in the scholarly communication process from the beginning. The evolving model expands our capacity for diverse, multidisciplinary discovery and drives beneficial change in scholarly publishing in order to more effectively and swiftly raise public awareness, inform stakeholders, and improve the human condition with the latest research.

purdue.edu/breaking-through