



Dr. Jack Payne

Senior Vice President for Agriculture and Natural Resources

Jack Payne is the Senior Vice President for Agriculture and Natural Resources at the University of Florida. Appointed senior vice president in June,

2010, Payne is the administrative head of the Institute of Food and Agricultural Sciences (IFAS) which includes the College of Agricultural and Life Sciences, a portion of the College of Veterinary Medicine, the School of Natural Resources and the Environment, the School of Forest Resources and Conservation, the Florida Agricultural Experiment Station, 13 Research and Education Centers throughout Florida, the Florida Sea Grant Program, the Florida Cooperative Extension Service with offices in each of the state's 67 counties, a third of the Genetics Institute and a third of the Emerging Pathogens Institute.

Prior to his current position he served as the Vice President for Extension and Outreach at Iowa State University and before that was the Vice President and

Dean for University Extension at Utah State. Jack also has experience at two other land-grant institutions: Pennsylvania State University, where he served on the faculty of the School of Forest Resources, and, later, at Texas A&M University, where he served as a faculty member in the Fisheries and Wildlife Department.

After leaving Texas A&M University, Payne had a long career with Ducks Unlimited (DU), as their National Director of Conservation. While at Ducks Unlimited, some of his successes included the development of DU's private lands program with agriculture, the development of a national conservation easement program and the expansion of their Mexican program to Central and South America.

Payne received his M.S. in Aquatic Ecology and his Ph.D. in Wildlife Ecology from Utah State University and is a graduate of the Institute for Educational Management at Harvard University. He is a tenured professor in the Department of Wildlife Ecology and Conservation at the University of Florida. Jack recently finished his term as the Chair of the Policy Board of Directors for the Board on Agriculture Assembly, Association of Public and Land-grant Universities.

The Morrill Act: Context and Vision



Steven Merritt Seibert

**Co-Founder TriSect LLC,
Senior Strategic Advisor to
UF/IFAS**

***Title: A Generosity of Spirit:
Higher Education and the
Community***

Seibert is a 1977 graduate of The George Washington University, where he was chosen for *Phi Beta Kappa*, and is a 1980 graduate of the law school at the University of Florida. For the succeeding decade, he practiced environmental and land use law in both the public and private sectors.

Seibert was elected to the Pinellas County (FL) Commission in 1992 and served as its Chairperson twice. He chaired or sat on several regional and state-wide committees, usually dealing with water, transportation, land use or environmental issues.

After re-election without opposition in 1996, Steve was tapped by Governor Jeb Bush to lead Florida's Department of Community Affairs and served in that capacity from 1999-2003. Governor Bush called Seibert "an outstanding public servant" and noted "his ability to bring people together to achieve meaningful reforms will be his lasting legacy."

Seibert is a member of the Board of Directors of The Mosaic Company (MOS), the world's leading producer of concentrated phosphate and potash crop nutrients. He was a charter Board member (created in 2004) and serves as Chairman of the Environmental, Health, Safety and Sustainable Development Committee, as a member of the Corporate Governance Committee and Nominating Committee, and served in the past on the company's Compensation Committee.

Seibert has operated his own law firm, served as the initial Executive Director of the *Century Commission for a Sustainable Florida*, and as a Senior Vice President and Director of Strategic Visioning for the non-partisan "think tank," the *Collins Center for Public Policy*. Steve has recently co-founded a strategy consulting company, TriSect.

Steve Seibert has been a Florida Supreme Court certified mediator for over 20 years and has gained a state-wide reputation for helping to resolve contentious public and private sector disputes. He was awarded the statewide "Excellence in Mediation Award" and was significantly involved in helping to broker the end of the Tampa Bay "water wars."

Opening Address



Dr. John Ingram

Natural Environment Research Council (NERC) Food Security Leader, University of Oxford, UK

Title: Food Security and Environmental Change: A Two-Way street

Following a BSc in chemistry from King's College, University of London (1979) and a MSc in soil chemistry from the University of Reading (1980), John Ingram gained extensive experience in the 1980s working in East and Southern Africa, and South Asia in agriculture, forestry and agroecology research projects. In 1991 he was recruited by the UK's Natural Environment Research Council (NERC) to help organise, coordinate and synthesise research on global change and agroecology as part of International Geosphere-Biosphere Programme, launching and running a series of international research networks on crops, soils, and pests and diseases. In 2001 he was appointed Executive Officer for the Earth System Science Partnership's Joint Project "Global Environmental Change and Food Systems"

(GECAFS). On the close of GECAFS in 2011, he assumed a new role as 'NERC Food Security Leader'.

John has had substantial interaction with a number of international organisations, especially the UN-FAO and the CGIAR and has worked closely with international and national departments, agencies and NGOs helping to establish region-wide research on the links between food security and environmental stress. Focal areas for his work have been in the Indo-Gangetic Plains of south Asia, southern Africa, the Caribbean and Europe. He has published on a wide range of topics ranging from soil organic matter dynamics to food security issues. His recent activities have included promoting, coordinating and integrating international research related to the interactions between global environmental change and food security, as researched through analysis of food systems. Much of this work he brought together in his PhD thesis *"From Food Production to Food Security: Developing interdisciplinary, regional-level research"* (Wageningen University, NL: 2011).

John is based in the Environmental Change Institute, University of Oxford, UK.

Opening Presentation



Dr. Sara Pryor

**Provosts Professor of
Atmospheric Science, Associate
Vice Provost for Faculty and
Academic Affairs – Indiana
University**

***Title: Climate Science
and the National Climate
assessment***

Professor Pryor works in two related fields with climate science; (i) physical manifestations of global climate change and variability at regional scales (downscaling), and (ii) understanding formation and removal processes for atmospheric aerosols in order to reduce the uncertainties regarding aerosol climate forcing. She has published over 100 articles on these topics in internationally renowned journals, and is editor of the foremost atmospheric science journal – the *Journal of Geophysical Research: Atmospheres*.

Specific to her downscaling and climate impacts work: Prof. Pryor is editor of a new book, *Climate Change in the Midwest: Impacts, Risks, Vulnerability, and Adaptation*

and was also editor of a prior synthesis entitled *Understanding Climate Change: Climate Variability, Predictability, and Change in the Midwestern United States*. Professor Pryor is also a member of the National Climate Assessment and Development Committee (NCADAC), convened by the U.S. Department of Commerce's National Oceanic and Atmospheric Administration, and Convening lead author for the Midwest region chapter of the forthcoming National Climate Assessment.

Specific to her work on atmospheric aerosols: Prof. Pryor conducts continuous measurements of ultrafine particle concentrations and fluxes at an AmeriFlux site that she helped to establish in southern Indiana. The resulting data record of continuous aerosol size distributions is second in length only to the Hyytiälä site in Finland. Prof. Pryor is also working with her group on regional aerosol modeling and deriving aerosol properties from satellite observations. She was a collaborator on the EUCAARI project in Europe and for the BEACHON ("Bio-hydro-atmosphere interactions of Energy, Aerosols, Carbon, H₂O, Organics & Nitrogen") experiments.

Session I: Food Security and Ag Production



Dr. Molly Jahn

Former Deputy and Acting Undersecretary of Agriculture, Professor in the Laboratory of Genetics and Department of Agronomy, Center for Sustainability and the Global Environment, University of Wisconsin-Madison

Title: 21st Century Agricultural and Food Systems for People and the Planet

Molly Jahn is a professor at the University of Wisconsin-Madison, holding appointments in the Department of Agronomy, the Laboratory of Genetics, and the Center for Sustainability and the Global Environment. From 2006-2011, she served as dean of the University of Wisconsin's College of Agricultural and Life Sciences. In 2009-10, she was called to Washington, DC to provide interim leadership as Deputy and Acting Under Secretary of Research, Education and Economics at the U.S. Department of Agriculture. Her research programs at University of Wisconsin and Cornell University have produced vegetable varieties grown commercially and for subsistence on six continents. In 2011, she was selected to represent the U.S. on the Commission for Sustainable Agriculture and Climate Change. Jahn has published widely including a recent book on Biotechnology and Sustainable Agriculture, serves on numerous boards, and scientific advisory panels including the Board on Agriculture and Natural Resources at the U.S. National Research Council/National Academies of Science. She is a Co-editor in Chief of the new open access journal *BMC Agriculture and Food Security*, and she chairs the Scientific Advisory Committee for the Energy and Environmental Sciences Directorates at DOE's Oak Ridge National Lab. She consults for agribusiness and food companies, actuarial sciences, for philanthropic organizations and venture capital.



Dr. Fred Kirschenmann

Distinguished Fellow for the Leopold Center for Sustainable Agriculture, Iowa State University and President of Stone Barris Center for Food and Agriculture in NY

Title: Designing a Resilient Food System for the 21st Century: Challenges, Opportunities, and how Land Grants can help

A longtime national and international leader in sustainable agriculture, he shares an appointment as Distinguished Fellow for the Leopold Center and as President of Stone Barris Center for Food and Agriculture in Pocantico Hills, New York. He also continues to manage his family's 2,600-acre certified organic farm in south central North Dakota.

He is a professor in the ISU Department of Religion and Philosophy and holds a doctorate in philosophy from the University of Chicago. He has held numerous appointments, including the USDA's National Organic Standards Board and the National Commission on Industrial Farm Animal Production operated by the Johns Hopkins School of Public Health and funded by Pew Charitable Trusts.

In April 2010, the University Press of Kentucky published a book of Kirschenmann's essays, *Cultivating an Ecological Conscience: Essays from a Farmer Philosopher*, that trace the evolution of his ecological and farming philosophy over the past 30 years.

He converted his family's farm in North Dakota to a certified organic operation in 1976. He developed a diverse crop rotation that has enabled him to farm productively without synthetic inputs (fertilizers or pesticides) while simultaneously improving the health of the soil.