

OTTO C. DOERING III

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Department of Agricultural Economics
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Current Responsibilities: Research, teaching, service, and outreach, focused on the economic analysis of public policy issues in agriculture, conservation, climate, and natural resources.

Education: Ph.D., Cornell University, Agricultural Economics, 1973; M.Sc.(Econ.), London University, London School of Economics, Public Administration, 1965; and B.A., Cornell University, Government, 1963.

Experience: Professor of Agricultural Economics, Purdue University, 1981-present; Interim Director & Director Purdue Climate Change Research Center, 2009-2014; Senior University Fellow, Natural Resources Conservation Service, USDA, 1997 and 2004-2005; Visiting Professor, North Carolina A&T State University, 1997; Visiting Scholar, Economic Research Service, USDA, 1990; Director, Indiana State Utility Forecasting Group, 1985-1990; Director, Energy Policy Research and Information Program, Purdue University, 1982-1985; Visiting Scholar, Department of Agricultural and Resource Economics, University of California, Berkeley, 1981-1982; Associate Professor of Agricultural Economics, Purdue University, 1976-1981; Visiting Policy Economist, Agricultural Policy Analysis Group, USDA, 1976-1977; Assistant Professor of Agricultural Economics, Purdue University, 1972-1976; Economist, Muda Agricultural Development Authority, Malaysia, 1970-1971; Training Associate, Ford Foundation, Malaysia, 1965-1967; Legal Investigator, New York City Municipal Courts, 1960-1961; Wrangler, Mt Assiniboine Provincial Park, British Columbia, Canada; 1960

Languages: German and Indonesian.

Funded Research: Funding agencies for work as Principal Investigator or as Co-P.I. include the National Science Foundation, U.S. Department of Agriculture, Department of Energy, U.S. Environmental Protection Agency, State of Indiana, Congressional Office of Technology Assessment, and NGOs. Total research funding in excess of \$3,500,000.

Education Projects: Special educational programs in agricultural and resource policy, energy policy, and energy conservation. Funding agencies include U.S. Department of Agriculture, U.S. Department of Energy, the State of Indiana, private foundations and agribusiness firms.

Publications: Over 200 articles, book chapters, and outreach publications.

Teaching: Agricultural Economics 602, required graduate research methods, Agricultural Economics 250, undergraduate course on the economic geography of world food and resources, and Horticulture 316, Systems Analysis required for sustainable farming systems majors. Previously taught undergraduate environmental and resource economics.

University Service: American Assoc. of Univ. Professors, President Purdue, Chapter, 1996-2015; Purdue University Senate, 2000-2006.; Midwest Universities Energy Consortium Representative, 1982-1995; University Promotions Committee, 1985-1988; Phi Kappa Phi Scholastic Honorary, Purdue Chapter President, 1983-1984; School of Agriculture Promotions Committee, 1983-1985.

Consultancy: National Academy of Sciences, Congressional Office of Technology Assessment, American Farmland Trust, Governments of Western Australia, Victoria Australia, and Indonesia, Pioneer Hi-Bred Int., Campbell Soup Co., Heinz & Co., University of New Hampshire.

Public Service: U.S. EPA Science Advisory Board, 2008-2014 and 2016-present as Chair, Agricultural Science Committee; National Science Foundation Evaluator, Industry-University Cooperative Research Center program 1994-present; Department of Interior Invasive Species Advisory Committee, 2008-2017; National Academies Water Science and Technology Board, 2009-2012; President, American Agricultural Economics Association, 2007-2008; Cornell University Arts College Advisory Council, 1976-2006; Indiana Governor's Education Roundtable, 2003-2005; Indiana's State Transfer and Articulation Committee, Chairman, 2003-2005; Indiana Commission for Higher Education, 2001-2003; State Farmland Protection Technical Committee, 2001-5; Lead Author, Intergovernmental Panel on Climate Change 2005; Indiana Commission on Agriculture and Rural Development, Small Farm Committee, 2001-2004; Indiana Governor's Tobacco Advisory Council, 1999; Hoosier Farmland Preservation Task Force, 1997-1999; Research Advisory Committee, National Regulatory Research Institute; 1992-1995; Book Review Editor, American Journal of Agricultural Economics, 1991-1994; Indiana Recycling and Energy Development Board, 1980-1991; Director, American Agricultural Economics Association, 1985-1988; U.S. DOE Energy Extension Service Advisory Board, 1979-1983; Chairman, National Public Policy Education Committee, 1981-1982; U.S. DOE, ERAB, Biomass Advisory Panel, 1980-1982.

Awards: USDA Economists Group, Bruce Gardner Award, 2008; Soil and Water Conservation Society, President's Leadership Award, 2005; Purdue University Cooperative Extension Career Award, 2000; National Distinguished Policy Contribution Award, American Agricultural Economics Association in 1990 and 1978; Recognition for Quality of Communication, 1979 and 1984 by the American Agricultural Economics Association; American Society of Agricultural Engineers, Blue Ribbon Award for Educational Programming, 1981; National Extension Economics Teaching Award, American Agricultural Economics Association, 1977.

Selected Publications: Doering, Otto C. 2016. Economic and Policy Issues of Phosphorus Management in Agroecosystems. In *Soil Phosphorus*. Editors Rattan Lal and B.A. Stewart, CRC Press, Boca Raton. Pages 133-150.

Doering, Otto C. and Katherine R. Smith. 2012. *Examining the Relationship of Conservation Compliance and Farm Program Incentives*. Council on Food, Agricultural and Resource Economics. Washington D.C. 8 pages.

Doering, Otto C., James N. Galloway and Thomas L. Theis, et al. 2011. *Reactive Nitrogen in the United States: An Analysis of Inputs, Flows, Consequences, and Management Options*. A Report of the EPA Science Advisory Board, U.S. EPA, Washington, D.C. 172 pages.

Dzombak, David A., H.H. Cheng, Robin K. Craig, Otto C. Doering, et al. 2008. *Mississippi River Water Quality and the Clean Water Act: Progress, Challenges and Opportunities*. National Research Council, Washington D.C. 226 pages

Doering, Otto C. 2007. The Political Economy of Public Goods: Why Economists Should Care. *American Journal of Agricultural Economics* 89 (5): 1125-1133.

Doering, Otto and Joe Outlaw, 2006. The Evolution of the Rationale for Government Involvement in Agriculture. *CHOICES*. Vol. 21, No. 4, pp. 221-224.

Doering III, Otto C. 2005. Energy Systems Integration: Fitting Biomass Energy from Agriculture into U.S. Energy Systems. in *Agriculture as a Producer and Consumer of Energy*. Editors; Outlaw, Collins & Duffield, CABI Publishing, Cambridge, MA, pp. 112-130.

Doering III, Otto C., J.C. Randolph, Jane Southworth, and Rebecca A. Pfeifer. 2002. *Effects of Climate Change and Variability on Agricultural Production Systems*. Kluwer Academic Publishers, Norwell MA. 271 pages.

Doering, Otto C. 2002. Economic Linkages Driving the Potential Response to Nitrogen Over-Enrichment," *Estuaries*, Vol. 25, No. 4b, pp. 809-818.

Boehlje, Michael and Otto C. Doering. 2000. Farm Policy in an Industrialized Agriculture. *Journal of Agribusiness*. Vol. 18, No. 1, 2000. pp. 53-60

Doering, Otto. 2001. The Impact of Modern Agricultural Technologies: Economics' Usefulness in the Debate about Future Directions for Agriculture. in *Globalization and the Rural Environment*. Otto Solbrig, Robert Paarlberg and Fransisco di Castri editors, Harvard University Press, Cambridge.

Schertz, Lyle and Otto C. Doering III. 1999. *The Making of the 1996 Farm Act*. Iowa State University Press, Ames, 1999. 190 pages.

Doering, Otto C., et al. 1999. *Evaluation of the Economic Costs and Benefits of Methods for Reducing Nutrient Loads to the Gulf of Mexico*. Topic 6 Report for the Integrated Assessment on Hypoxia in the Gulf of Mexico, U.S. Dept. of Commerce, NOAA, Washington D.C. 115 pages.