

## Curriculum Vitae

### Jérôme Robert Florian Dumortier

School of Public and Environmental Affairs (SPEA)  
Indiana University - Purdue University Indianapolis (IUPUI)  
Office BS 4074, 801 W. Michigan Street, Indianapolis, IN 46202, USA

Phone: (317) 274-1817  
E-mail: [jdumorti@iupui.edu](mailto:jdumorti@iupui.edu)  
<https://sites.google.com/site/jrfdumortier/>

#### Academic Appointments

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Indiana University - Purdue University Indianapolis, School of Public and Environmental Affairs, Indianapolis, USA.

- Associate Professor, 2017 - present.
- Assistant Professor, 2011 - 2017.

Iowa State University, Department of Economics, Ames, USA.

- Graduate Research Assistant, 2008 - 2011.

#### Education

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Ph.D. in Economics, Iowa State University, USA, 2011.

Dissertation title: The impact of forest offset credits under a stochastic carbon price on agriculture using a rational expectations and real options framework

Dissertation committee: Dermot J. Hayes (Major Professor), Bruce A. Babcock, Catherine L. Kling, John A. Miranowski, and Eugene S. Takle

Licence en sciences économiques (“économie politique”), HEC, Université de Lausanne, Switzerland, 2004.

#### Peer-Reviewed Publications

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Dumortier, Jerome, Keith S. Evans, Carola Grebitus, and Pamela A. Martin. (2017). “The influence of trust and attitudes on the purchase frequency of organic produce.” *Journal of International Food & Agribusiness Marketing* 29(1): 46-69.

Dumortier, Jerome, Fengxiu Zhang, and John Marron. (2017). “State and federal fuel taxes: The road ahead for U.S. infrastructure funding.” *Transport Policy* 53: 39-49.

Dumortier, Jerome, Matthew W. Kent, and Seth B. Payton. (2016). “Plug-in vehicles and the future of road infrastructure funding in the United States.” *Energy Policy* 95: 187-195.

Grebitus, Carola, and Jerome Dumortier. (2016). “Effects of values and personality on demand for organic produce.” *Agribusiness: An International Journal* 32(2): 189-202.

Dumortier, Jerome. (2016). “Impact of agronomic uncertainty in biomass production and endogenous commodity prices on cellulosic biofuel feedstock composition.” *Global Change Biology Bioenergy* 8(1) 35-50.

Siddiki, Saba, Jerome Dumortier, Cali Curley, John D. Graham, Sanya Carley, and Rachel M. Krause. (2015). “Exploring drivers of innovative technology adoption intention: The case of plug-in vehicles.” *Review of Policy Research* 32(6): 649-674.

### Peer-Reviewed Publications (continued)

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- Dumortier, Jerome, Saba Siddiki, Sanya Carley, Joshua Cisney, Rachel M. Krause, Bradley W. Lane, John A. Rupp, and John D. Graham. (2015). "Effects of providing total cost of ownership information on consumers' intent to purchase a hybrid or plug-in electric vehicle." *Transportation Research Part A: Policy and Practice* 72: 71-86.
- Kauffman, Nathan, Jerome Dumortier, Dermot J. Hayes, Robert C. Brown, and David A. Laird. (2014). "Producing energy while sequestering carbon? The relationship between biochar and agricultural productivity." *Biomass & Bioenergy* 63: 167-176.
- Dumortier, Jerome. (2013). "The effects of uncertainty under a cap-and-trade policy on afforestation in the United States." *Environmental Research Letters* 8(4): 044020.
- Elobeid, Amani, Miguel Carriquiry, Jerome Dumortier, Francisco Rosas, Kranti Mulik, Jacinto F. Fabiosa, Dermot J. Hayes, and Bruce A. Babcock. (2013). "Biofuel expansion, fertilizer use and GHG emissions: Unintended consequences of mitigation policies." Special Issue "Economics of Bioenergy" in *Economics Research International*, Article ID 708604.
- Dumortier, Jerome. (2013). "Co-firing in coal power plants and its impact on biomass feedstock availability." *Energy Policy* 60: 396-405.
- Dumortier, Jerome, Dermot J. Hayes, Miguel Carriquiry, Fengxia Dong, Xiaodong Du, Amani Elobeid, Jacinto Fabiosa, Pamela A. Martin, and Kranti Mulik. (2012). "The effects of potential changes in United States beef production on global grazing systems and greenhouse gas emissions." *Environmental Research Letters* 7(2): 024023.
- Dumortier, Jerome, Dermot J. Hayes, Miguel Carriquiry, Fengxia Dong, Xiaodong Du, Amani Elobeid, Jacinto Fabiosa, and Simla Tokgoz. (2011). "Sensitivity of carbon emission estimates from indirect land-use change." *Applied Economic Perspectives and Policy* 33(3): 428-448.
- Hayes, Dermot J., Bruce A. Babcock, Jacinto Fabiosa, Simla Tokgoz, Amani Elobeid, Tun-Hsiang Yu, Fengxia Dong, Chad Hart, Eddie Chavez, Suwen Pan, Miguel Carriquiry, and Jerome Dumortier. (2009). "Biofuels: Potential production capacity, effects on grain and livestock sectors, and implications for food prices and consumers." *Journal of Agricultural and Applied Economics* 41(2): 1-27.

### Book Chapters

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- Dumortier, Jerome. (2017). "Changes in nitrogen application and Conservation Reserve Program area from cellulosic biofuel production in the United States." In *Land allocation for biomass: Challenges and opportunities*, Ruopu Li (ed.). Springer. (forthcoming)

### Grants and Funding

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- Indiana Soybean Alliance. 2017. "Agriculture, Road Conditions, and Road Funding: Making the Case II." Contributing Researcher, \$75,000.
- Indiana University Overseas Conference Grant, 2017, \$1,500.
- Indiana Soybean Alliance. 2015. "Agriculture, Road Conditions, and Road Funding: Making the Case." Contributing Researcher, \$138,000.
- Research Support Funds Grant (RSFG). 2015. "Changing agricultural land-use in the United States and its implications on ecosystem services." PI, \$17,912.
- Soy Transportation Coalition. 2013. "Alternative, sustainable approach to fuel tax." PI, \$51,065.
- IUPUI Open Access Publishing Fund, 2013, \$1,600.

### **Grants and Funding (continued)**

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Life Cycle Associates LLC. 2013. "Land-use change economic model evaluation for the Coordinating Research Council." PI, \$12,000.

### **Reports**

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- Palmer, Jamie, Bob McCulloch, Jerome Dumortier, John Marron, John Ketzenberger. (2016). "Indiana rural roads and bridges: The crumbling reality and what it will take to mend these critical economic arteries." Indiana University Public Policy Institute, Report 16 - C23.
- Marron, John, Jerome Dumortier, and Fengxiu Zhang. (2014). "Implications of inflation-adjusted fuel taxes on government revenue." Indiana University Public Policy Institute, Report 14 - C16.
- Dumortier, Jerome, John Marron, and Fengxiu Zhang. (2014). "Policy brief: Fuel tax changes and the impact on state revenue for Iowa." Indiana University Public Policy Institute.
- Coordinating Research Council. (2014). "Study of transportation fuel life cycle analysis: Review of economic models used to assess land-use effects." Coordinating Research Council Report E-88-3.
- Carriquiry, Miguel, Jerome Dumortier, Amani E. Elobeid, Jacinto F. Fabiosa, Dermot J. Hayes, Karen Kovarik, Kranti Mulik, and Juan Francisco Rosas. (2011). "FAPRI-ISU 2011 World Agricultural Outlook." FAPRI Staff Reports, Paper 5, Iowa State University.
- Edwards, Robert, Declan Mulligan, and Luisa Marelli. (2010). "Indirect land-use change from increased biofuels demand." European Commission Joint Research Center - Institute for Energy JRC59771. Contributing researcher.
- Dumortier, Jerome and Dermot J. Hayes. (2009). "Towards an integrated global agricultural greenhouse gas model: Greenhouse Gases from Agriculture Simulation Model (GreenAgSiM)." CARD Working Paper 09-WP 490, Iowa State University.

### **Conference Presentations**

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- "Vehicle and Road Taxing Schemes in the United States and its Effects on Greenhouse Gas Emission," presented at the International Association for Energy Economics (IAEE) annual meeting, Singapore, June 2017.
- "Changing agricultural land-use in the United States and its implications on ecosystem services," presented at the AAEE annual meeting, Boston, Massachusetts, July 2016.
- "The electric vehicle attitude-behavior gap: Targeting the early majority," presented at the 22nd Annual Conference of the European Association of Environmental and Resource Economists, Zurich, Switzerland, June 2016.
- "Uncertainty and time-to-build in bioenergy production," presented at the AAEE annual meeting, San Francisco, California, July 2015.
- "Plug-in vehicles and the future of road infrastructure funding in the United States," presented at the 4<sup>th</sup> AERE Summer Conference, San Diego, California, June 2015.
- "Impact of different bioenergy crops on area allocation and cellulosic ethanol feedstock mix," presented at the AAEE annual meeting, Minneapolis, Minnesota, July 2014.
- "Implications of an inflation-adjusted fuel tax on government revenue and consumer welfare," presented by John Marron at the International Association for Energy Economics (IAEE) annual meeting, New York City, New York, June 2014.

**Conference Presentations (continued)**

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- “Effects of life cycle cost information disclosure on the purchase decision of hybrid and plug-in vehicles,” presented at the International Association for Energy Economics (IAEE) annual meeting, New York City, New York, June 2014.
- “The influence of trust and attitudes on organic and conventional consumption of strawberries and tomatoes,” presented by Keith S. Evans at the AAEA annual meeting, Washington D.C., August 2013.
- “Uncertainty, competition, and time-to-build in switchgrass production,” presented at the International Consortium on Applied Bioeconomy Research (ICABR) conference, Ravello, Italy, June 2013.
- “Altruistic versus egoistic motivation: Is there a role for altruism in organic consumption?” presented at The Second Food Studies: An Interdisciplinary Conference, Urbana, Illinois, October 2012.
- “Biomass cofiring in coal power plants and its impact on agriculture in the United States,” presented at the AAEA annual meeting, Seattle, Washington, August 2012.
- “Welfare changes associated with forest carbon offset credits in the United States,” presented at the AAEA annual meeting, Seattle, Washington, August 2012.
- “Sensitivity of carbon emission estimates from indirect land-use change,” presented at the 2011 Inaugural AERE Summer Conference, Seattle, Washington, June 2011.
- “Carbon or crops? A real option perspective on tree planting under a cap-and-trade policy,” presented at the conference “The Role of Carbon Offsets in Climate Policy,” Cornell University, Ithaca, New York, May 2011.
- “Agricultural production in the context of rational expectations and greenhouse gas policies,” presented at the AAEA annual meeting, Denver, Colorado, July 2010.
- “Modeling the effects of pasture expansion on emissions from land-use change,” presented at the International Agricultural Trade Research Consortium (IATRC) Symposium “Climate Change in World Agriculture”, Stuttgart-Hohenheim, Germany, June 2010.
- “Pasture expansion and land-use change,” presented at the Biobased Industry Center Bioenergy Camp, Perry, Iowa, May 2010.
- “Towards an integrated agricultural greenhouse gas model,” presented at the AAEA annual meeting, Milwaukee, Wisconsin, July 2009.
- “Biofuel production under carbon constraints,” presented at the Midwest Economics Association (MEA) annual meeting, Cleveland, Ohio, March 2009.

**Invited Presentations**

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- “Co-firing in coal power plants and its impact on biomass feedstock availability,” Iowa NSF EPSCoR Energy Policy Seminar, Iowa State University, Ames, March 2014.
- “Co-firing in coal power plants and its impact on biomass feedstock availability,” Agribusiness Economics, Southern Illinois University, Carbondale, March 2014.
- “Spatial effects of bioenergy production on land allocation and net revenue,” Morrison School of Agribusiness and Resource Management, Arizona State University, Mesa, November 2012.
- “Changes in net revenue associated with forest carbon offset credits in the United States,” Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, Urbana, April 2012.
- “Carbon or crops? A real option perspective on tree planting under a cap-and-trade policy,” Department of Agricultural Economics, Purdue University, West-Lafayette, October 2011.

### **Miscellaneous Presentations**

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- Richard G. Lugar Center for Renewable Energy (LCRE) Spring Forum “Energy and Sustainability,” Panel Discussant, May 2017.
- “Land-use change effects from biochar-induced yield improvements,” Global Climate and Energy Project (GCEP) working group, Iowa State University, Ames, April 2017.
- “Changing agricultural land-use in the United States and its implications for ecosystem services,” SPEA Environmental Policy Seminar, Indiana University, Bloomington, December 2016.
- “20 Year Outlook for Rural Infrastructure in Indiana,” Farm Policy Study Group, Purdue University, West Lafayette, December 2016.
- Richard G. Lugar Center for Renewable Energy (LCRE) Spring Forum “Diversification of Energy in Indiana,” Panel Discussant, May 2015.
- “Changes in Fuel Tax Policy and the Impact on State and Federal Revenue.” Presentation at Indiana University Public Policy Institute Seminar Series, Indianapolis, March 2014.
- “The effects of potential changes in United States beef production on global grazing systems and greenhouse gas emissions,” Poster, 2013 IUPUI Research Day, Indianapolis, April 2013.

### **Teaching**

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- SPEA-V 370 Research Methods and Statistical Modeling
- SPEA-V 506 Statistical Analysis for Effective Decision Making
- SPEA-V 506 Executive Education: Statistical Analysis for Effective Decision Making
- SPEA-V 507 Data Analysis and Modeling for Public Affairs
- SPEA-V 517 Public Management Economics
- ECON 102 Principles of Macroeconomics (Iowa State University)

### **Awards and Honors**

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- SPEA IUPUI Outstanding Graduate Teaching Award, 2013, 2015.
- Teaching Excellence Award, Iowa State University, 2007.

### **Employment and Consulting**

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- Consultant, European Commission Joint Research Center, Institute for Energy, 2009.
- Assistant in Corporate Finance, Landesbank Saar (SaarLB), Metz, France, 2004 - 2005.
- Research Department Intern, ifo - Institut für Wirtschaftsforschung, Munich, Germany, 2004.
- Assistant Service Après-Vente, Linde Froid et Climatisation, Trappes, France, 1999 - 2000.

### **University Service**

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- Richard G. Lugar Center for Renewable Energy May Forum “Energy, Economics, Environment,” member of the organizing committee, 15 May 2017.
- SPEA Bloomington, 17th Association of SPEA Ph.D. Students Conference, Session Chair, 24 February 2017.
- Treasurer, University Club at Indianapolis, 2016 - present.
- Board Member, University Club at Indianapolis, 2015 - present.
- SPEA Job Search Committees: Master of Public Affairs Director (2017), SPEA Manufacturing Policy Initiative Director (2016), Public Affairs (2016), Nonprofit Management (2016), Homeland Security and Emergency Management (2014), Public Policy (2013), Governance and Management (2013), Criminal Justice (2012).

### University Service (continued)

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SPEA IUPUI School Committees: Budgetary Affairs Committee (Chair, 2016 - present), Faculty Annual Review Committee (2016 – present), Graduate Affairs Committee (2015 - present), Faculty Affairs Committee (2015 - present), Ph.D. Evaluation Committee (2014), Urban Affairs Major Committee (2014), Budgetary Affairs Committee (2013 - 2015).

SPEA Core Campus Policy Committee, 2012 - 2014, 2017 - 2019.

Faculty Advisor for the IUPUI Energy Club Student Organization, 2012 - 2015.

Research Member, Richard G. Lugar Center for Renewable Energy at IUPUI, 2012 - present.

Sustainability Steering Committee IUPUI, 2011 - 2013.

Co-Chair Transportation Subcommittee of the Sustainability Steering Committee, 2011 - 2013.

President, Economics Graduate Student Association, Department of Economics, Iowa State University, 2008/2009.

### Professional Service

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Editorial Advisory Board *Global Change Biology - Bioenergy*, member, 2017 - present.

AAEA Professional Workshop “Water Resources & Policy: Exploring the Risks, Benefits and Opportunities for Conservation Workshop” (ENV Section Event), member of the workshop organizing committee, 20 March 2017.

Network of Schools of Public Policy, Affairs, and Administration (NASPAA) - Battan Student Simulation Competition “Global Food Security,” simulation judge, February 2017.

Indiana Future Farmers of America (FFA) Organization, Career Development Event (CDE) judge, West-Lafayette, Indiana, 2015.

AAEA Land, Water and Environmental Economics Section Treasurer, 2015 - 2017.

AAEA Selected Presentations Committee, 2013 - 2016.

AAEA Topic Leader for Food and Agricultural Policy Analysis, 2012 - 2013.

Selected Presentation Reviewer for AAEA, 2012 - 2013, 2017.

Referee service: *Agriculture, Ecosystems & Environment, American Journal of Agricultural Economics, Animals, Canadian Journal of Agricultural Economics/Revue Canadienne d'Agroéconomie, Economics Research International, Energies, Energy Policy, Environment, Development and Sustainability, Global Change Biology Bioenergy, IISE Transactions, International Journal of Information Technology & Decision Making, International Journal of Sustainable Transportation, Journal of Advances in Modeling Earth Systems, Journal of Agricultural and Applied Economics, Journal of Environmental Management, Land Degradation and Development, Land Economics, PLOS ONE, Sustainability, Transportation Research Part A: Policy and Practice, Transportation Research Part D: Transport and Environment*

### Media Communications

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Inc.com. “How U.S. fuel taxes need to change,” 14 December 2016.

Inside Indiana Business. “Study Suggests Best Option to Fund Road Work,” 28 September 2016.

NPR WBAA. “IUPUI Researchers: Don't Bother With An Electric Car Flat Tax - It Won't Fix Roads,” 27 May 2016.

Farm World. “Indiana ethanol impact study cites notable economic boost,” 17 June 2015.

ClimateWire. “Biofuels might hold back progress combating climate change,” 31 March 2014.

South Bend Tribune. “Hope for reviving ethanol facility?” 17 February 2013.

Fox 59. “Drought conditions still affecting grocery prices,” 6 September 2012.

**Media Communications (continued)**

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Fox 59. “Thanksgiving dinner will be more expensive this year,” 11 November 2011.

**Professional Affiliations**

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Association of Environmental and Resource Economists (AERE)

European Association of Environmental and Resource Economists (EAERE)

Agricultural & Applied Economics Association (AAEA)

International Association for Energy Economics (IAEE)

United States Association for Energy Economics (USAEE)