

DIVINA GRACIA P. RODRIGUEZ

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EDUCATION

Ph.D. in Agricultural and Applied Economics (2014), University of Illinois, U.S.A.

M.S. in Agricultural and Applied Economics (2006), Texas Tech University, U.S.A.

B.S. in Agricultural Economics (2001) *cum laude*, University of the Philippines at Los Baños (UPLB), The Philippines

RESEARCH INTERESTS

Environmental and production economics; impact evaluation (applied econometrics); family and consumer economics; development economics

PROFESSIONAL AND RESEARCH EXPERIENCE

Researcher, Norwegian Institute of Bioeconomy Research (NIBIO), Oslo, Norway, July 1, 2015 – present
Current Projects:

- Optimal strategies to retain and re-use water and nutrients in small agricultural catchments across different soil-climatic regions in Europe (OPTAIN), Horizon 2020, 2020-2025
- Stepping-up IPM decision support for crop protection (IPM Decisions), Horizon 2020, 2019-2023
- Economic valuation of non-market goods and services (SIS-VERDSETTING AV GODER), 2019-
- Empowering Small-scale Farmers towards the Sustainable Development Goals through Participative, Innovative and Sustainable Livestock and Poultry Value Chains in Ghana, Kenya, and Senegal (SPEAR), LEAP-AGRI, 2018-2022
- Building Climate Resilience of Indian Smallholders through Sustainable Intensification and Agroecological Farming Systems to Strengthen Food and Nutrition Security (RESILIENCE), Norway-India, 2018-2022
- Sino-European innovative green and smart cities (SiEUGREEN), 2018-2021
- Technological Innovation to support environmentally-friendly food production and food safety under a changing climate – opportunities and challenges for Norway-China cooperation (SiNOGRAIN II), 2018-2022
- Refined forage legumes as local sources of protein feed for monogastric and high-quality fiber feed for ruminants in organic production, Europe and Turkey (PROREFINE), CORE ORGANIC, 2018-2021
- Food security through smallholder adaptability, Ethiopia, Kenya, Malawi, Rwanda, South Africa, Tanzania (INNOVAFRICA), Horizon 2020, 2017-2021
- Detection and inactivation of parasites on berries: development and implementation of food safety tools for the industry (PARABERRY), BIONÆR, 2017-2020

Completed Projects:

- Agronomy for increased food production in Norway: challenges and solutions (AGROPRO), 2013-2017
- Integrated environmental study and mapping for the improvement of the river basin management plans and the coastal zone of river Sperchios (SPERCHIOS), 2016-2017
- Strategies for implementation of sound cereal production methods with low loss of pesticides and phosphorus (STRAPP), 2013-2016
- Mapping and assessment of the ecosystem services in Divici-Pojejena wetland and identification of their contribution to the economic sectors (WETECOS), 2015-2016
- Political and economic analysis of future food production (SIS-PEAP)

Researcher, Norwegian Agricultural Economics Research Institute (NILF), Oslo, Norway, August 2014 – June 30, 2015

- Co-led and coordinated the development of national and international project proposals (e.g. applications to the Research Council of Norway and EU Horizon 2020)

- Conducted data management and econometric analyses

Graduate Research Assistant

- Dr. David S. Bullock, *Corn-Soybean Rotation* (Summer 2009) and *Stanford's 12. Rule Fertilizer Algorithm*, University of Illinois (Fall 2013)
- Dr. Lia Noguiera, *Political Instability, Food Prices, and Riots*, University of Illinois (Fall 2010, Spring 2011)
- Dr. Andrea Martens, *Food Recalls Impact*, University of Illinois (Fall 2008-Spring 2009)
- Dr. Roderick M. Rejesus, *Progressive Coconut Farming to Address Poverty*, Texas Tech University (Fall 2004 – Spring 2006)

Graduate Student Intern

- Dr. Grant Singleton, *SSNM in Vietnam and Indonesia*, International Rice Research Institute (IRRI), Philippines (Summer 2012)
- Dr. Claudia Ringler, *Crop Life Project*, International Food Policy Research Institute, Washington, D.C., USA (Summer 2011)
- Dr. James Wilkus, *Industry's Use of Food Safety Technologies and Practices*, Food Safety and Inspection Services, USDA, Washington, D.C., USA (Summer 2009)

Applied Economist, Irrigated Rice Research Consortium (IRRC), IRRI, Philippines
(August 2006 – July 2008)

Team Leader, Impact Assessment Household Surveys of IRRC's Post-Harvest Technologies in Cambodia (May 2008) and Vietnam (July 2008) and of Site-specific Nutrient Management in Vietnam (July 2007)

University Research Associate I, Department of Agriculture-UPLB (August 2001 – July 2004)

- Participatory Planning, Monitoring, and Evaluation of "Progressive Coconut Farming to Address Poverty Program"

TEACHING EXPERIENCE

Graduate Teaching Assistant, Department of Agricultural and Consumer Economics, University of Illinois

- ACE 449: Retirement and Benefit Planning (Spring 2014)
- ACE 100: Agricultural, Consumer and Resource Economics, Honors (Fall 2013)
- ACE 251: The World Food Economy (Spring 2012, Fall 2012, Spring 2013)
- ACE 345: Financial Decision Making for Individual and Small Business (Fall 2011)
- ACE 100: Agricultural, Consumer and Resource Economics (Fall 2010, Spring 2010)

Instructor, Department of Agricultural and Applied Economics, Texas Tech University

- Advanced Statistical Methods in Agricultural Research (Summer 2005)

REFEREED JOURNAL PUBLICATIONS

Rodriguez, D.G.P. 2020. "An Assessment of the Site-Specific Nutrient Management (SSNM) Strategy for Irrigated Rice in Asia." *Agriculture*, 10(11),28.

Rodriguez, D.G.P., D.S. Bullock, and M. Boerngen. 2019. "The Origins, Consequences, and Implications of Stanford's '1.2. Rule' for Nitrogen Fertilizer Application." *Agron. Journal* 111:725-735.
doi:10.2134/agronj2018.07.0479 (*Top Downloaded Paper 2018-2019, Agronomy Journal*)

Sanglestsawai, S., **D.G.P. Rodriguez**, R.M. Rejesus, and J.M. Yorobe, Jr. 2017. "Production Risk, Farmer Welfare, and Bt Corn in the Philippines." *Agricultural and Resource Economics Review*, 46(3), 507-528.
doi:10.1017/age.2017.1

Rejesus, R.M., F.G. Palis, **D.G.P. Rodriguez**, R. Lampayan, and B.A. Bouman. 2010. "Impact of the Alternate Wetting and Drying (AWD) Water-Saving Irrigation Technique for Rice Production in the Philippines." *Food Policy*, Vol. 36, Issue 2: 280-288.

Rodriguez, D.G.P., R.M. Rejesus, and C.T. Aragon. 2007. "Impacts of an Agricultural Development Program for Coconut Producers in the Philippines: An Approach Using Panel Data and Propensity Score Matching Techniques." *Journal of Agricultural and Resource Economics*. Vol. 32, No. 3:534-557.

BOOKS, BOOKS CHAPTER AND OTHER PUBLICATIONS

Gustavsen, G.W., Berglann, H., Jenssen, E., Kårstad, S., and **Rodriguez, D.G.P.** 2021. “Willingness to Pay for Urban Agriculture in Oslo.” (*Working Paper*)

Rodriguez, D.G.P. and Prestvik, A. S. 2020. “The need for stakeholder engagement and participative governance to promote bioeconomy”. In U.S. Nagothu (ed) *The Bioeconomy Approach: Constraints and Opportunities for Sustainable Development*. Oxon: Routledge Studies in Food, Science and the Environment.

Linjordet, R., Prestvik, A., **Rodriguez, D.G.P.**, Moeletsi, M., and Tesfai, M. 2020. “Promoting sustainable bioenergy production & development through integrated food and energy systems”. In U.S. Nagothu (ed) *The Bioeconomy Approach: Constraints and Opportunities for Sustainable Development*. Oxon: Routledge Studies in Food, Science and the Environment.

Rodriguez, D.G.P., Tesfai, M. and Mitra, A. 2020. “Capacity constraints to climate change adaptation in India: policies, institutions, and markets”, *Policy Brief*, RESILIENCE Project.

Matei, M. Laslo, L., György, D., Ciobotaru, N., Boboc, M., Raischi, M., Muşat, C., Lupei, T., Raischi, S., Moncea, A., Dumitru, D., Badea, G., Lamprinakis, L., **Rodriguez, D.G.P.**, Prestvik, A., Veidal, A., Klimek, B. “Best practices guide on mapping and assessing wetland ecosystems and their services: National Institute for Research and Development in Environmental Protection” INCDPM 2017 (ISBN 978-973-741-534-9) 240s.

Lamprinakis, L., **Rodriguez, D.G.P.**, Prestvik, A., Veidal, A., Klimek, B. 2017. “A Mixed Methods Approach Towards Mapping and Economic Valuation of the Divici-Pojejena Wetland Ecosystem Services in Romania.” *Proceedings in Food System Dynamics* pp. 31-46.

Rodriguez, D.G.P. and C. Ringler. 2014. “The Influence of Policy Environment on Adoption of Alternative Technology Strategies in Brazil, China, and India,” Background report for Book “Food security in a world of natural resource scarcity: The role of agricultural technologies”.

Nga, N.T.D., **Rodriguez, D.G.P.**, Son, T.T., and Buresh, R.J. 2010. “Development and Impact of Site-Specific Nutrient Management in the Red River Delta of Vietnam”. In F.G. Palis, G.R. Singleton, M.C. Casimero, and B. Hardy (eds). *Research to Impact: Case Studies for Natural Resource management for Irrigated Rice in Asia*. International Rice Research Institute, Philippines. pp. 317-334.

Rodriguez, D.G.P. “Measuring SSNM Impact in the Red River Delta.” *Ripple*, January – March 2008. International Rice Research Institute.

REPORTS

Gustavsen, G.W., Berglann, H., Jenssen, E., Kårstad, S., and **Rodriguez, D.G.P.** 2020. Samfunnsøkonomisk verdsetting av goder uten markeder. NIBIO Report

Rodriguez, D.G.P., Chetia, S.K., Mishra, P., and Mitra, A. 2019. “Capacity and constraints of smallholder farmers to climate change adaptation in relation to policies, institutions, and markets in India.” Report prepared for the project RESILIENCE.

Rodriguez, D.G.P., Veidal, A. and Prestegard, S. 2017. “Socio-economic valuation of flood damage to agriculture: the case of Sperchios.” Report prepared for the project: *Integrated environmental study and mapping for the improvement of the river basin management plans and the coastal zone of river Sperchios*, NIBIO.

Lamprinakis, L., **Rodriguez, D. G. P.**, Prestvik, A. S., Veidal, A. and Klimek, B. 2016.”Economic valuation of the ecosystems services provided by the Divici-Pojejena wetland area.” Final report prepared for the project: *Mapping and evaluation of wetland ecosystem services in Divici - Pojejena area and identifying their contribution to economic sectors*, NIBIO.

PROFESSIONAL AND ACADEMIC SERVICE

Reviewer- Agricultural and Resource Economics Review, Sustainability

Reviewer – Grant applications for the Food & Business Global Challenges Programme (GCP) 2017, the Netherlands

Reviewer - Grant applications for the International German Federal funding call on “Global Change Research” in 2016

Reviewer for the 2015 International Association of Agricultural Economists’ Triennial Conference Selected Paper Presentations

PhD Representative, ACE Graduate Programs Committee, University of Illinois, 2012-2013

PhD Representative, ACE Grievance Committee, University of Illinois, 2010-2011

Student Coordinator, The International Policy and Development (IPAD) Workshop Seminar, Fall (2012) and Spring (2013), Department of Agricultural and Consumer Economics, the University of Illinois at Urbana-Champaign.

HONORS AND AWARDS

Ralph Joseph Mutti Scholarship, ACE, University of Illinois (AY 2012)

International Association of Agricultural Economics Travel Grant, Brazil, 2012

Future Leaders Forum Student Scholarship Program, 48th Association for International

Agriculture and Rural Development Annual Conference, Washington, D.C., June 3-6, 2012

List of Teachers Ranked as Excellent by Their Students, University of Illinois (Fall 2010)

Southern Agricultural Economics Association Outstanding Masters Thesis Award 2007

Fulbright-Philippine Agricultural Scholarship Program Grant (August 2004 – May 2006)

PEER-REVIEWED CONFERENCE PAPER PRESENTATIONS

“Shifting Planting Date to Adapt to Climate Change: Evidence from Cereal Production in Norway.”

Australian Agricultural and Resource Economics Society Annual Conference, Brisbane, Australia, February 2017, *Agricultural and Applied Economics Association (AAEA) Annual Meeting*, Chicago, Illinois, August 2017

“An Assessment of the Site-Specific Nutrient Management (SSNM) for Irrigated Rice in Asia.”

AAEA Annual Meeting, Boston, Massachusetts, July 2016

“The Origins, Consequences, and Implications of Stanford’s ‘1.2. Rule’ for Nitrogen Fertilizer Application.”

AAEA Annual Meeting, San Francisco, California, July 2015

“An Empirical Investigation of the Stanford’s 1.2 Rule of Fertilizer Recommendation,” *29th Triennial*

Conference of International Association of Agricultural Economists (IAAE), Milan, Italy, August 2015

“Impacts of the Site-Specific Nutrient Management in Irrigated Rice Farms in Selected Sites in Red River

Delta, Northern Vietnam,” *28th Triennial Conference of the IAAE*, Brazil (2012), *Graduate Student Summit on Regional, Population, Health, and Environment* (2011), *ACE Departmental Seminar* (2009)

REFEREE WORK

Agricultural and Resource Economics Review, Agriculture, Sustainability

COMPUTING SKILLS

Stata, Mathematica, Matlab, R, Word, Excel, Powerpoint

LANGUAGE PROFICIENCY

English (Fluent), Filipino/Tagalog (Native), Norwegian (Basic)

COUNTRIES OF RESEARCH EXPERIENCE

Cambodia, Denmark, France, Ghana, Greece, India, Malawi, Norway, Philippines, Romania, USA, and Vietnam