

Jikun Wang

Agricultural and Resource Economics
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EDUCATION

- Ph.D. Agricultural and Resource Economics, University of Maryland, College Park, expected May 2019
- M.S. Agricultural and Resource Economics, University of Maryland, 2017
- B.S. Economics, Peking University, Beijing, China 2010

DISSERTATION

Essays on the Economics of Chinese Climate Policy

Committee: Prof. Roberton Williams (Chair), Prof. Anna Alberini, Prof. Maureen Cropper

FIELDS OF SPECIALIZATION

Environmental economics, Public Economics, Energy economics, Applied microeconomics

JOB MARKET PAPER

“Electricity Price Regulation and the Cost of Reducing Carbon Emission”

I analyze how price regulation changes the welfare effects of carbon emission policies. Specifically this paper shows that electricity price regulation in China substantially increases the cost of reducing carbon emissions. I set up a simple general equilibrium model where the price of the carbon intensive sector (electricity) is regulated and examine the welfare impact of a revenue-neutral carbon tax. The model shows price regulation has a direct cost effect and also changes the secondary cost effects caused by pre-existing taxes. I then construct a static CGE model where the parameters are calibrated using stylized facts about the economy of China in 2007. My central estimate shows the marginal cost of achieving a 20% reduction in CO₂ emissions is 22% higher in the presence of pre-existing taxes than in a world with only a carbon tax. Price regulation raises the marginal cost of CO₂ reduction by a further 27%, on top of the distortion caused by pre-existing taxes.

OTHER RESEARCH PAPERS

Wang, Jikun, “Heating China: Compactness, Heat Island and Residential Energy Use”, Work in progress, University of Maryland, College Park

Wang, Jikun and Roberton Williams, “Double Counting: Efficient Allocation of Carbon Permits”, Work in progress, University of Maryland

RESEARCH AND RELEVANT WORK EXPERIENCE

Consultant, The World Bank, Washington DC, May 2018-present

Research Assistant, Supervisor: Prof. Robertson Williams, University of Maryland, College Park, MD, June 2017-August 2017

Intern, National Center for Climate Change Strategy and International Cooperation(NCSC) of National Development and Reform Commission (NDRC), Beijing, China, March 2015

Research Assistant, Supervisor: Prof. Snaebjorn Gunnsteinsson, University of Maryland, College Park, MD, June 2014-August 2015

Research Assistant, Supervisor: Prof. Lars Olson, University of Maryland, College Park, MD, Fall 2012

TEACHING EXPERIENCE

Teaching Assistant, ECON604: Microeconomic Analysis II (Ph.D core) Supervisor: Dr. Daniel Vincent, Dr. Erkut Ozbay, Spring 2017 Spring 2016

Teaching Assistant, ECON603: Microeconomic Analysis I (Ph.D core) Supervisor: Dr. Emel Filiz Ozbay, Dr. Lawrence Ausubel, Fall 2016 Fall 2015

Teaching Assistant, AREC623: Applied Econometrics (Ph.D core) Supervisor: Dr. Richard Just, Dr. Anna Alberini, Fall 2013

Teaching Assistant, AREC365: World Hunger, Population, and Food Supplies, Supervisor: Dr. Howard Leathers, Spring 2013

CONFERENCE PRESENTATIONS

WEA Annual Conference, Vancouver, BC, June 2018

CES North America Annual Conference, Tuscaloosa, AL, March 2017

CU Environmental and Resource Economics Workshop, Vail, CO, September 2015

HONORS AND AWARDS

Jacob K. Goldhaber Travel Award, University of Maryland, 2015

Academic Merit Fellowship, University of Maryland, September 2015

Graduate Research Assistantship, University of Maryland, 2012-present

Guanghua Dingli Scholarship, Peking University

Freshman Year Scholarship, Peking University

SKILLS

Software: GAMS, Matlab, Stata, R, Python, ArcGIS

Languages: English (fluent), Mandarin Chinese (native)

REFERENCES

Dr. Robertson C. Williams III, Department of Agricultural and Resource Economics, 2200 Symons Hall, University of Maryland, College Park, 20742; 301-405-1284; roberton@umd.edu

Dr. Anna Alberini, Department of Agricultural and Resource Economics, 2200 Symons Hall, University of Maryland, College Park, 20742; 301-405-1267; aalberin@umd.edu

Dr. Maureen Cropper, Department of Economics, University of Maryland, 3114H Tydings Hall, College Park, MD, 20742; 301-405-3483; cropper@econ.umd.edu