

# CHANDRA KIRAN KRISHNAMURTHY

Dept. of Forest Economics, Swedish Agricultural University (SLU), Umeå, and  
The Beijer Institute for Ecological Economics, Stockholm  
[chandra.kiran@slu.se](mailto:chandra.kiran@slu.se) and [chandra.kiran@beijer.kva.se](mailto:chandra.kiran@beijer.kva.se)

## Position

**Aug 2011-July 2014** Brouwaldh Post-Doctoral Fellow, Center for Environmental and Resource Economics and Senior Lecturer, Umeå School of Business and Economics, Umeå University  
**Aug 2014-Dec 2016** Researcher, The Beijer Institute for Ecological Economics, and Senior Lecturer (Adjunct) Umeå School of Business and Economics, Umeå University  
**Jan 2017-** **Assistant Professor**, *Department of Forest Economics*, SLU, Umeå  
**Researcher**, *The Beijer Institute for Ecological Economics*

## Research Fields

Environmental and Resource Economics, Energy Economics, Climate Change Economics, Applied Econometrics

## Education

2011 COLUMBIA UNIVERSITY, SCHOOL OF INTERNATIONAL AND PUBLIC AFFAIRS  
PHD SUSTAINABLE DEVELOPMENT  
Thesis Title: "Essays on Climatic Extremes, Agriculture and Natural Resource Management"  
Committee: Geoffrey Heal, Wonghee Tim Huh, Bernard Salanié, Upmanu Lall, Wolfram Schlenker

2005 INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH(IGIDR)  
M.Phil (Master of Philosophy), Economics

2001 B.E., Mechanical Engineering, Bangalore University

## Conferences and Workshops Attended

NBER Summer workshop on Environmental Economics (Summer 2007)  
CBMS workshop on Bayesian Nonparametrics, University of California at Santa Cruz, Aug 16-20, 2010  
(Invited) Banff International Research Station (BIRS) workshop on "Extremes in Weather and Climate", Aug 23-27, 2010, Banff, Alberta, Canada  
(Invited) Residential Demand for Green Energy at Workshop on Biofuels policies, Hafjell Resort, Lillehammer, Norway, March 18-20, 2012  
2012: EAERE(Prague), June 27-29; AAEA Seattle, Aug 12-14, 2012; 12<sup>th</sup> IAEE European Energy Conference (Venice), Sep. 9-12, 2012  
2013: AEA(San Diego), Jan 4-6 2013; EAERE (Toulouse), June 26-29;EURO-INFORMS, Rome, July 2-5  
2014: 37<sup>th</sup> IAEE conference, New York (June)  
2016: Inaugural Sustainable Development Research Conference, Columbia University, New York (April 1-2)

## Invited Seminars (other than conferences)

2011 MIT Sloan School of Management (Jan); National Institute for Advanced Study (NIAS), Bangalore (June); Ashoka Trust for Research in Ecology and The Environment (ATREE), Bangalore (July)  
2012 Madras School of Economics (MSE), Chennai (Jan); Workshop on Biofuels, Hafjell, Norway (March)  
2015 Center for Applied Research at NHH (SNF), Bergen, Norway (April 22)  
2016 Amrita School of Business, Coimbatore (Jan 7-8)

## Visiting Positions

Visiting Researcher, Madras School of Economics (Chennai, India), Dec 2011-Jan 2012

OECD, Environment and Economy Integration Division (Paris), August 21-30, 2013

Dept. of Agricultural Economics, Purdue University, Jan 14-Feb 7, 2014

## Research Grants

2013: 23,000 SEK Seed Money for Project on *Employment Growth in Indian Manufacturing* from the USBE Research School

2015: 5.6 Million SEK for four-year research project *Global biophysical processes in climate-economics-modelling: Implications for economic measures* from the Ragnar Söderberg Foundation (with Gustav Enström and Johan Gars)

2017

(a) 2.026 Million SEK for a three-year research project *Consumer choice and network tariff under a natural monopoly: An empirical exploration for the Swedish electricity market* from the Handelsbankens Forskningsfonder (with Runar Brännlund, PI, and Mattias Vesterberg)

(b) 3.83 Million SEK for a three-year research project *Pricing and demand flexibility in a system dominated by renewable electricity production* from the Swedish Energy Agency (Energimyndigheten) (with Runar Brännlund, PI, and Mattias Vesterberg)

## Professional Activities

**Advising** Co-advisor: Mattias and Anders Vesterberg (PhD-USBE, Umeå University)

**Occasional Journal Referee** Resources and Energy Economics, Journal of the American Env. and Res. Economics (JAERE), Journal of Environmental Economics and Management (JEEM), American Journal of Agricultural Economics (AJAE), The Energy Journal, Energy Economics, Ecological Economics, Annals of Operations Research, Naval Research Logistics, Climatic Change, Nonlinear Processes in Geophysics, Journal of Climate

Member, Program Committee, EAERE Referee for Annual Conference Articles, 2012-

Organizer **Stockholm Environmental and Resource Economics**, 2016

(<http://www.beijer.kva.se/sida.php?id=79>)

## Teaching Experience

*Umeå University (Master's/PhD)*

**Microeconomics I** : Spring 2012, 2013

**Env. & Res. Econ.** : Autumn 2012, 2013, 2014, Spring 2017, Autumn 2017

**Econometrics I** : Autumn 2015, 2016

**Econometrics II** : Spring 2014, Spring 2016

*SLU Umeå*

**Forest Industry Supply Strategy** SLU Umeå, Autumn 2017

*Short Courses*

**R Crash Course** : Beijer Institute/KVA (March 2015)

## Publications

1. Optimal Management of Groundwater under Uncertainty: A Unified Approach. *Environmental and Resource Economics*(2017). 67(2), 351-77. [[Print version](#)] [[PDF-WP version](#)]
2. Residential End use electricity demand and the implications for real time pricing in Sweden (with Mattias Vesterberg). *The Energy Journal* (2016). 37(4), 141-64. [[PDF-Print version](#)] [[PDF-WP version](#)]
3. Residential Electricity Demand: A cross-country analysis for 11 OECD-countries (with Bengt Kriström). *Resource and Energy Economics* (2015). 39, 68-88. [[Print version](#)] [[PDF-WP version](#)]
4. Determinants of the price-premium for Green Energy: Evidence from an OECD cross-section (with Bengt Kriström). *Environmental and Resource Economics* (2015). 64(2), 173-204. [[Print version](#)] [[PDF-WP version](#)]
5. How large is the Owner-Renter Divide? Evidence from an OECD cross-section (with Bengt Kriström). *The Energy Journal* (2015). 36(4), 63-82. [[Print version](#)] [[PDF-WP version](#)]
6. Space-time Structure of Extreme Precipitation in Europe over the last Century (with Francesco Cioffi, Upmanu Lall and Ester Rus), *International Journal of Climatology* [[Advance PDF](#)]
7. Concavity and monotonicity properties in a groundwater management model (with Tim Huh and Richard Weber), *Naval Research Logistics* (NRL) 58, no. 7 (2011): 670-675. [[PDF](#)]
8. Changing Frequency and Intensity of Rainfall Extremes over India from 1951-2003 (with Upmanu Lall and Hyun-Han Kwon), 2009, *Journal of Climate*, 4737-4746, 22, 18 [[PDF](#)]
9. (Invited) Economic Impact of Carbon Emission Restrictions: The Case of India (with Jyothi Parikh), in *Energy Security, Climate Change and Sustainable Development*, Mathur et al (editors), Anamaya Publishers, New Delhi, 2007

## Under Review

MANAGING WATER: RIGHTS, MARKETS, AND WELFARE (with Andrew Zaeske)  
(CERE Working Paper 2017-02; Version March 2017) [[PDF](#)]

AN ECOLOGICAL GOLDEN RULE (with Ram Fishman, Tel Aviv University)  
(Beijer Discussion Paper Series No. 259) [[PDF](#)]

BENEFITS OF REAL-TIME PRICING AND ROOFTOP SOLAR PV GENERATION: EXPLORATIONS USING SWEDISH MICRO-DATA (with Mattias Vesterberg, Rauli Svento, Herman Böök and Anders Lindfors) [[PDF forthcoming](#)]

## Working Papers

THE DISTRIBUTIONAL IMPACTS OF CLIMATE CHANGE ON INDIAN AGRICULTURE: A QUANTILE REGRESSION APPROACH  
(MSE Working Paper 69/2012)[[PDF](#)]

GREENING HOUSEHOLD BEHAVIOR AND ENERGY (with Bengt Kriström) (OECD Environment Working Papers No. 78) [[Link](#)]

DISTRIBUTIONAL IMPACTS OF ENERGY POLICIES: AN ANALYSIS OF THE 2011 EPIC DATA  
(Beijer Discussion Paper Series No. 252) [[PDF](#)]

## Work in progress

THE EFFECTS OF UNCERTAINTY ON ADAPTATION AND MITIGATION POLICY: AN EXPLORATION USING AD-DICE2009  
(with Kelly Debruin and Anders Vesterberg)

DEMAND RESPONSIVE PRICING, TRANSIT USAGE AND CONGESTION: EVIDENCE FROM SFPARK (with Nicole Ngo)

DYNAMIC PRICING OF ELECTRICITY: SOME IMPLICATIONS FOR SWEDISH HOUSEHOLDS (with Mattias Vesterberg and Amin Karimu)

Last Updated: February 19, 2018