

BIOGRAPHICAL SKETCH

Name: Pallab Mozumder

Date: October 2011

Professional Title: Assistant Professor, Department of Earth & Environment and Department of Economics, Florida International University, Miami, FL.

Academic Background:

Post Doctoral Fellowship (October 2005-June 2007), Sponsored by the US Dept. of Energy at The Environmental Institute (TEI), University of Massachusetts (UMASS), Amherst, MA.

Ph. D in Economics (2005), Concentration: Environmental and Natural Resource Economics, University of New Mexico (UNM), Albuquerque, NM (Co-Advisors: Robert Berrens and Alok Bohara).

Master in Water Resource Program (2004, Interdisciplinary Degree with Policy and Management Concentration), University of New Mexico (UNM), Albuquerque, NM (Advisor: M. Campana).

M. A. in Economics (2003, Concentration: Econometrics), University of New Mexico (UNM), Albuquerque, NM.

B. Sc. in Economics (Major: Economics, Minor: Mathematics, Statistics), 1996, Jahangirnagar University, Dhaka, Bangladesh.

Dissertation: *Coping with a Natural Disaster: Understanding Household and Social Responses.*

Research Interests and Professional Experience: Environmental and Development Economics, Adaptation and Resilience to Environmental Changes, Valuation of Environmental Services, Environmental Risk and Coping Mechanisms.

Selected Publications:

i) Closely Related to Proposed Project

Mozumder, P., E. Flugman and T. Randhir 2011. "Adaptation Behavior in the Face of Global Climate Change: Survey Responses from Experts and Decision Makers Serving the Florida Keys", *Ocean & Coastal Management*, 54 (1): 37-44.

Flugman, E., **P. Mozumder** and T. Randhir 2011. "Facilitating Adaptation to Global Climate Change: Perspectives from Decision Makers Serving the Florida Keys", Forthcoming in *Climatic Change*.

Mozumder, P., W. Vasquez Mazariegos and A. Marathe 2011. "Consumers' Preference for Renewable Energy in the Southwest USA", Forthcoming in *Energy Economics*.

Vásquez, W. V., **P. Mozumder**, J. Hernández-Arce, and R. P. Berrens 2009. "Willingness to Pay for Safe Drinking Water: Evidence from Parral, Mexico", *Journal of Environmental Management*, 90 (11): 3391-3400.

Mozumder, P., A. Bohara, R. Berrens and N. Halim 2008. "Private Transfers to Cope with a Natural Disaster: Evidence from Bangladesh", *Environment and Development Economics*, 14 (2): 187-210.

ii) Other Significant Publications & Working Papers

Mozumder, P., R. Helton and R. Berrens 2009. "The Value of a Wildfire Risk Map in the Wildland Urban Interface", *Risk Analysis*, 29 (11): 1588-1600.

Mozumder, P. and R. Berrens 2007. "Inorganic Fertilizer Use and Biodiversity Risk: An Empirical Investigation", *Ecological Economics*, 62(3-4): 538-543.

Mozumder, P. and A. Marathe 2004. "Gains from an Integrated Market for Tradable Renewable Energy Credits (TREC)s", *Ecological Economics*, 49 (3): 259-272.

Mozumder, P., N. Raheem, J. Talberth and R. Berrens 2008. "Investigating Intended Evacuation from Wildfires in the Wildland-Urban Interface: Application of a Bivariate Probit Model", *Forest Policy and Economics*, 10 (6): 415-423.

Mozumder, P. and R. Berrens 2010. "Social Context, Financial Stakes and Hypothetical Bias: An Induced Value Referendum Experiment", Forthcoming in *Applied Economics*.

Synergistic Activities:

- Nominated for **2009-2010 Next Generation of Hazards and Disasters Research Fellowship** (Sponsored by NSF & led by Dr. Birkland at NCSU; <http://www.ncsu.edu/project/nextgen/index.htm>) Panel member of the **Florida Hurricane Alliance Working Group**, a multidisciplinary cooperative research effort group sponsored by NOAA. Collaborating with Dr. Bray (FIU) in analyzing the impact of payment for hydrological services in Mexico and also developing a research project in analyzing the dynamics of coupled human-natural systems in the forests communities of Mexico. Collaborating research with Dr. Vasquez (Fairfield Univ., CT) on Urban Environmental issues in Latin America.
- Collaborator with ULTRA-EX Team (Sponsored by NSF) in analyzing Socio-ecological Vulnerabilities in Urban Miami (PI: G. Hollander). Collaborating with Water, Sustainability & Climate (sponsored by NSF) working group at FIU in analyzing the dynamics of a coastal socio-ecological system. Member of Miami-Dade County (1) Local Mitigation Strategy Working Group and (2) Climate Change Advisory Task Force Economic, Social & Health Committee.
- Appointed to Dissertation Advisor Status (in 2009) within the Graduate Faculty of Florida International University. In addition to the privileges afforded to Graduate Faculty, the DAS allows faculty to chair dissertation committees. Awarded for 'Outstanding Oral Presentation Prize' at Summer Symposium in 2002 and 2003 in Los Alamos National Laboratory, New Mexico.

Students Supervising: 4 PhD Students (chair for 1, committee member for 3), 5 Masters Students (chair for 2, committee member for 3) and 1 Undergraduate Student at FIU. Language Skills: English (proficient in writing and speaking), Bengali (native language).

Ongoing Funded Research:

PI: Communicating Forecast Information to Optimize Evacuation Behavior (2009-2011, Co-PI: Hugh Gladwin, Hugh Willoughby, Sponsor: National Science Foundation, Award \$391,145)

PI: Socio-Economic Impacts of Hurricanes (2007-09, \$180,995, Florida Hurricane Alliance, Sponsor: National Oceanic and Atmospheric Administration).

PI: Combining Experimental and Survey Evidence for Promoting Hurricane Risk Mitigation Efforts and Disaster Preparedness (Phase I & II, \$150,000; A Component of Hurricane Loss Reduction for Housing in Florida, Sponsored by Florida Division of Emergency Management.

Co-PI: Development of Test-Based Data on Hurricane-Induced Building for Improved Risk Prediction and Mapping (2010-2011, PI: A. Chowdhury; Sponsor: Florida Sea Grant, Award: \$300,000).