

MANSI GROVER

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EDUCATION

(August'01 - Present) **Virginia Polytechnic Institute & State University, Blacksburg, VA**

Ph. D. Candidate: Department of Agricultural & Applied Economics

Major: Natural Resources and Environmental Economics, *Minor:* Econometrics

(August'98 - June'00) **Delhi School of Economics, University of Delhi, New Delhi, India**

Master of Arts: Department of Economics, *Major:* Economics

(August'95 - July'98) **University of Delhi, New Delhi, India**

Bachelor of Arts (Honors): Department of Economics, *Major:* Economics

RESEARCH INTERESTS

- Risk and Uncertainty analysis/ modeling associated with Environmental Markets
- Design and Establishment of Environmental Markets
- Economic and Environmental Sustainability in Agricultural and Forestry Management
- Application of Information Technologies (Including GIS) to Natural Resource Economics
- Incorporating Emissions Trading into Global Trade Analysis Project (GTAP)
- Integration of National Economic Accounts and Environmental Satellite Accounts
- Time Series analysis

PROFESSIONAL EXPERIENCE

Research

(May'04 – August'04) **The Sampson Group, Alexandria, VA.**

Research Intern: Subcontract with National Carbon Offset Coalition as a part of DOE regional grant
Responsibilities Included: Establishing and describing the theoretical economic framework within which a carbon offset trading program is designed; analyzing and describing the practical economic aspects of the program; and describing any further research, development, policies, or incentives that appear to be needed to overcome obstacles or opportunities encountered in the development of the program. The outcome of these research efforts was, "National Carbon Offset Coalition Handbook 2004-2005". I also designed a Cost-Benefit analysis for potential landowners willing to participate in terrestrial carbon trading.

(August'02 - Present) **Virginia Polytechnic Institute & State University, Blacksburg, VA.**

Research Associate: Natural Resources Conservation Service, United States Department of Agriculture and EPA funded project; Opportunities and Challenges to Land Based Greenhouse Gas Credit Creation in Virginia.

Responsibilities Include: Synthesis of risk and uncertainty related to terrestrial carbon trading markets, analyzing risk-return trade-offs for forest entrepreneur wishing to sequester and trade carbon, given the risk

of carbon loss due to natural disasters, specifically hurricanes and how purchasing private insurance affects the entrepreneur's optimal portfolio of strategies.

(August '01-Dec. '01) **Virginia Polytechnic Institute & State University, Blacksburg, VA.**

Research Associate: Chesapeake Bay Program, Scientific & Technical Advisory Committee Workshops on Impediments to Environmentally Sensitive Design.

Responsibilities Included: Literature Synthesis and preparation of research notes on reviewed research material, preparing advisory reports and other related material.

(March '01 – June '01) **National Council of Applied Economic Research, New Delhi, India.**

Research Associate: Sri Ratan Tata Trust funded Rural Infrastructure Project

Responsibilities Included: Literature review, data collection from various agencies and organizing a workshop on initiatives in rural infrastructure sectors in India.

Teaching

(January '03 – May '03) **Virginia Polytechnic Institute & State University, Blacksburg, VA.**

Teaching Assistant: Environmental Law, Department of Agricultural and Applied Economics

Responsibilities Include: Grading and designing weekly quizzes, mid-term examinations and final examination

(January '02 – May '02) **Virginia Polytechnic Institute & State University, Blacksburg, VA.**

Teaching Assistant: Environmental Law, Department of Agricultural and Applied Economics

Responsibilities Include: Grading and designing weekly quizzes, mid-term examinations and final examination

(Nov. '00 – March '01) **University of Delhi, New Delhi, India.**

Lecturer: Department of Economics

Responsibilities Included: Teaching two undergraduate courses, Statistical Methods for Economics and Mathematical Methods for Economics, preparing course notes for students.

Ph.D. THESIS

Incentives for a Forest Landowner to Sequester and Trade Carbon under Uncertainty: Impact of Hurricanes in Southeastern United States (*Proposed Thesis Paper*)

Effect of Private Insurance on Forest Landowners' Incentives to Sequester and Trade Carbon under Uncertainty: Impact of Hurricanes (*Proposed Thesis Paper*)

Setting up a Tradable Carbon Offsets System: Risk, Uncertainty and Caveats (*Proposed Thesis Paper*)

(For detailed versions of the abstracts for above research documents please visit:

<http://filebox.vt.edu/users/mgrover/research.htm>)

PUBLICATIONS/ PRESENTATIONS

Grover, M. and D. Bosch, "Effects of Private Insurance on Forest Landowners' Incentives to Sequester and Trade Carbon under Uncertainty: Impact of Hurricanes", Paper to be presented at American Agricultural Economics Association Annual Meeting, Providence, Rhode Island, July 24-27th, 2005.

Grover, M., D. Bosch and S. P. Prisley, "Incentives for a Forest Landowner to Sequester and Trade Carbon under Uncertainty: Impact of Hurricanes in Southeastern United States", Paper to be presented at

The 16th Global Warming International Conference & Expo (GWXVI), New York City, April 19-21st, 2005.

Grover, M., “Evaluating Incentives for a Forest Landowner/Entrepreneur to Sequester and Trade Carbon: Impact of Hurricanes in Southeastern United States” Seminar presented at the Department of Agricultural and Applied Economics, Virginia Tech, Blacksburg, VA, USA, December 2004.

Sampson, R. Neil and M. Grover, “*National Carbon Offset Coalition Handbook, 2004-2005*”, August 2004 (Available at <http://www.ncoc.us/>).

Reaves, D. W., K. Stephenson and M. Grover, “Perspectives from accounting.” *Essays on Leadership in Environmental Management*. Erchul, R.A., Bush, H. F., Maisano, Marilyn, R. D., ed., pp. 93-103. Virginia Military Institute, Lexington, Virginia, December 2004.

CLASS PROJECTS

Grover, M. “Assessing the Impact of Uncertain Resolution on Forest Cover and the Definition of a ‘Forest’” Fall 2003.

Grover M. and D. Thomas. “No unit root in GNP: An Implication of Statistical Adequacy” Fall 2003.

MEMBERSHIPS

President, Graduate Students Association, Department of AAEC, Virginia Tech

Association of Environmental and Resource Economists (AERE), US

Southern Agricultural Economics Association (SAEA), US

American Agricultural Economics Association (AAEA), US

Alumni Association, Delhi School of Economics, University of Delhi, N. Delhi, India

Indian Students Association, Virginia Tech

Association for India’s Development (AID) at Virginia Tech

EXTRA CURRICULAR ACTIVITIES

(August '02 – Dec. '02) YMCA Salsa dance classes, Virginia Tech, Blacksburg, VA.

(May '96- June '99) Attended a three-year course at the Uday Shankar Academy of Creative Dance, New Delhi, India.

(August '95 - July '98) Active member of dramatics society at the undergraduate level.

(Jan. '97 – Sep. '97) India Engineering Trade Fair, Garment Fair and Infrastructure & Investment India Fair: Team Leader for marketing representatives, Pragati Maidan, New Delhi, India.

(June '95) All India Radio: Conducted Interview with students for “This Week in Sikkim” and Western Music Program: Aired at Akashwani, Gangtok, Sikkim, India.

(June '93) Summer Workshop at the National School of Drama, New Delhi, India.

REFERENCES

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