

PUNEET KISHOR

EDUCATION

UNIVERSITY OF WISCONSIN

Madison, Wisconsin

- 2006-present. Ph. D. Program, Environment and Resources, Nelson Institute for Environmental Studies
- 1990. M.S., Land Resources, Nelson Institute for Environmental Studies

INDIAN INSTITUTE OF TECHNOLOGY

New Delhi, India

- 1985. B. Tech., Textile Engineering

EXPERIENCE

Owner

INDEPENDENT CONSULTANT, MADISON, WI

2006 – present

I work with NGOs and research institutes as well as local governments on projects ranging from application development to consulting on long-term strategic information sharing initiatives.

- The World Bank Latin America Department: Modeling emissions of greenhouse gases (GHGs) in wetlands; developing visualization models of climate change; developing impact area analysis of Uranium mining.
- Conservation International Foundation: Creating a web-based, collaborative application for ecosystem services studies database.
- Walgreens: Developing geo-processing routines for extract-transform-load workflow.
- Inter-American Institute for Global Change Research: Advising on strategic initiative to provide open access to project-related information generated by project partners.

Researcher

FOREST ECOLOGY, UNIVERSITY OF WISCONSIN, MADISON, WI

2008 – present

We are implementing computational models for determining carbon and nitrogen budgets of large-scale terrestrial ecosystems. My responsibilities include designing and developing a web-based application for implementing the Biome-BGC model that will run on a computer cluster utilizing open source geospatial and related technologies. I am bringing together the scientific computing aspect of my work with my passion for making all scientific data and technologies freely and openly accessible to everyone.

- Senior Analyst/Programmer

GEOANALYTICS, MADISON, WI
1997 – 2006

I worked directly on projects that involved developing best practices for geographic information management, and strategic planning and information policy formulation. I was also called upon to write the technical and governance related components of project proposals.

- Developed strategic information plans, best management practices, enterprise GIS implementation plans, and plans for integration of GIS with emergency management and Enhanced 911 (E911).
- Developed web-enabled GIS and database applications, integrated disparate systems and application platforms using proprietary as well as open source programming languages, and RDBMS for State and County agencies.
- Developed new proposals for project work in geographic information and related technologies.

GIS Specialist

THE WORLD BANK, WASHINGTON DC
1993 – 1997

Worked on six operational missions in India and Bolivia assisting the borrowing country in creating better funding proposals. Working together with the country teams, I critically analyzed the agency-wide information workflow, and identified all the components vital to the project's success.

- Provided assistance to borrower countries in project proposal preparation. Responsible for project evaluation and consulting, costing, staffing, developing training plans and estimates, requirements gathering, and advise on consultancy procurement on operational missions to Asia and South America.
- Was one of the two GIS specialists on staff in the only GIS facility in the World Bank. Provided GIS/MIS support for improving sectoral business processes. Work involved liaising with research and development institutions in Europe, North America, and the Caribbean.
- Assisted in research involving spatial analysis, econometrics and databases. Worked with World Bank colleagues and researchers from the World Conservation Monitoring Center.

Visiting Researcher

INDIAN INSTITUTE OF MANAGEMENT, BANGALORE, INDIA
1992

Integrated a "location-allocation" modeling system with a desktop GIS. I also organized and participated in GIS and spatial decision support systems (SDSS) workshops at the business school as well as the Indian National Remote Sensing Agency, Hyderabad, India.

Consultant

GOVERNMENT OF TRINIDAD & TOBAGO, PORT OF SPAIN, TRINIDAD

1991

Led by the Land Tenure Center, I worked on an IDB funded Land Rationalization Project. My tasks included evaluating the technological options for modernizing of land information, selecting priority areas for land tenure surveys, linking the property registrar and other agencies, and role of the private sector in developing a national land information strategy.

Research Scientist

SOCIETY FOR DEVELOPMENT ALTERNATIVES, NEW DELHI

1985-1987

Designed mechanically efficient and ergonomically improved hand-loom for the village textile sector in India. Developed a Jacquard mechanism that could be utilized by hand-loom weavers.

Also worked on environmental impact assessment of open face soapstone mining in the lower Himalayas.

MEMBERSHIPS

- Elected Charter Member, Open Source Geospatial Foundation (OSGeo)
- Life member, National Association of Geographers, India (NAGI)
- Electronic Frontier Foundation (EFF)
- American Association for the Advancement of Science (AAAS)
- Association of Computing Machinery (ACM)
- Global Spatial Data Infrastructure Committee (GSDI)
- Terra Institute, Ltd., Mount Horeb, WI

COMMITTEES

- 2009. 2nd International Workshop on Location and the Web, CHI 2009, Boston, MA.
- 2008. Open Source Software Development and Solutions Track, The 4th International Conference on Signal-Image Technology and Internet-Based Systems (SITIS '08)
- 2008. 1st International Workshop on Location and the Web, WWW 2008, Beijing, China.

AWARDS

- 2007. Science and Technology Policy Fellow, National Academy of Sciences, Washington DC
- 1995. International Young Scholar, National Center for Geographic Information and Analysis
- 1991-92. Fellow, American Institute of Indian Studies, University of Chicago

WORKSHOPS

- 2009. Workshop on *Mashing-up Culture: The Rise of User-generated Content*, COUNTER 2010 project on counterfeiting and piracy research and Uppsala University, Uppsala, Sweden.
- 2009. *Specialist Meeting on Ontology for the National Map*, US Geological Survey and University Consortium on Geographic Information Science, Washington DC, USA.
- 2009. The National Academies *Science and Technology Policy Forum*, Washington DC, USA.
- 2008. Selected for *Google Earth/IUCN Workshop*, World Conservation Congress, Barcelona, Spain.
- 2008. *Summer Doctoral Program on Web Science*, Oxford Internet Institute, Oxford University, UK.
- 2008. *Data and Information Institute*, Inter-American Institute for Global Change Research, Panama City, Panama.
- 2008. The National Academies *Science and Technology Policy Forum*, Washington DC, USA.
- 2007. *Specialist Meeting on Volunteered Geographic Information*, National Center for Geographic Information, Los Alamos National Laboratories, and Vespucci Institute, Santa Barbara, CA, USA.
- 2007. *Common Use Licensing of Scientific Data*, CODATA, Global Biodiversity Information Fund, and Science Commons, Paris, France.
- 2007. *Intellectual Property Rights: Wrong for Developing Countries?*, National Academies, Washington DC.
- 2007. *Strategies for Permanent and Open Access to Scientific Data*, CRIA and CODATA, Atibaia, Brazil.
- 2006. Annual Global Spatial Data Infrastructure Conference, Santiago de Chile, Chile.
- 2006. *Information Commons of Science*, National Academies and Science Commons, Washington DC, USA.
- 1996. Workshop on *Indigenous Peoples Profiles*, The World Bank, Washington DC., USA.
- 1996. *Information Systems in Pollution Management/Control*, The World Bank, Washington DC, USA.
- 1993. *SDSS/GIS for Service Planning*, Indian Institute of Management, Bangalore, India.

PUBLICATIONS/PRESENTATIONS

- Puneet Kishor. 2009. Public Policy: Mashing up Technology and Law. To be presented at COUNTER2010 workshop on *Mashing-up Cultures: The Rise of User-generated Content*, Uppsala, Sweden.
- Puneet Kishor. 2009. Public Policy — bringing technology and law together for open access. To be presented at AAAS ST Global Conference, Washington DC, USA.
- Boll, Susanne, Christopher Jones, Eric Kansa, Puneet Kishor, Mor Naaman, Ross Purves, Arno Scharl, and Erik Wilde. 2008. *LOCWEB '08: Proceedings of the first international workshop on Location and the web*. ACM, New York, NY.
- Puneet Kishor. 2008. Public Policy and the Geospatial Information Commons. 2008 Conference on Science and Technology for Society, AAAS, Washington DC.
- CODATA. 2007. *Strategies for Open and Permanent Access to Scientific Information in Latin America: Focus on Health and Environmental Information for Sustainable Development*. Dora A. L. Canhos, Vanderlei Perez Canhos, William Anderson, Paul Uhler, Bonnie Carroll, Raed Sharif and Puneet Kishor, eds., Atibaia, Brazil.
- Puneet Kishor. 2007. Open GeoSpatial Data: Difficult But Necessary. CODATA and NAS Workshop on “Strategies for Open and Permanent Access to Scientific Information in Latin America: Focus on Health and Environmental Information for Sustainable Development,” Atibaia, Brazil.
- Puneet Kishor and Steve Ventura. 2006. What Can GIS Learn From Open Source, *Proceedings of the 9th International Conference of the Global Spatial Data Infrastructure Committee*, Santiago, Chile.
- Puneet Kishor. 2005. Modernizing Historical Records: A Case-Study of Wisconsin Historical Society, ESRI Wisconsin Users Group Meeting Nov. 2005, Green Bay, WI.
- Puneet Kishor. 2000. “Are you ready to do business online?” URISA News.
- Puneet Kishor. 1997. Using GIS for Pollution Control. Environment Department Dissemination Notes, The World Bank, Washington, DC, 20433.
- Puneet Kishor. 1996. Strategies for Disseminating Large Spatial Databases. Environment Department Dissemination Notes, The World Bank, Washington, DC, 20433.
- William Magrath, Charles Peters, Nalin Kishor, and Puneet Kishor. 1995. The Economic Supply of Biodiversity in West Kalimantan. *Environmental and Economic Issues in Forestry: Selected Case Studies in Asia*, Ed. Susan Shen and Arnaldo Contreras-Hermosilla, The World Bank, Washington, DC, 20433.
- Puneet Kishor. 1995. When Tools Become the Barrier: Modernizing Spatial Information Against All Odds. National Center for Geographic Information and Analysis (NCGIA), Maine.
- Puneet Kishor, Kristine Kuhlman, Ben Niemann, Jr., Steve Ventura, Earl Epstein, John Bossler, D. David Moyer, and William Holland. 1993. Law that Drives Change: Wisconsin Land Information Program and GIS Adoption by Local Governments, GIS/LIS '93, Minneapolis.

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- Land Rationalization Study, Trinidad & Tobago, Inter-American Development Bank. 1991.
- Puneet Kishor, Bernard J. Niemann, Jr., and D. David Moyer. 1991. Diffusion of GIS/LIS in Local Governments, presented at GIS/LIS '91, Atlanta, GA.
- Puneet Kishor, Steve Ventura, and Peter Thum. 1991. Saving the Past for the Future GIS in Archaeology, Proceedings of URISA '91, San Francisco, CA.
- Puneet Kishor, Bernard J. Niemann, Jr., D. David Moyer, Stephen J. Ventura, Robert W. Martin, and Peter Thum. 1990. Evaluating GIS/LIS. GIS/LIS '90, Anaheim, CA.
- Puneet Kishor and Bernard J. Niemann, Jr. 1990. Geographic Information Systems in India: A “Look Before You Leap” Caveat to Technology Transfer, URISA '90, Edmonton, Canada.