

### BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2.  
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Kishor, Puneet	POSITION TITLE
eRA COMMONS USER NAME (credential, e.g., agency login)	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)*

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY
Indian Institute of Technology, New Delhi, India	B. Tech.	06/85	engineering
University of Wisconsin-Madison, Madison, WI	M. S.	12/91	land resources

**NOTE: The Biographical Sketch may not exceed four pages. Follow the formats and instructions below.**

## **A. Personal Statement**

Since 1985 my career has spanned rural appropriate technology design to international development, academia, research and science information policy. I am a science researcher and an open access advocate, an engineer and an environmental scientist with expertise in both scientific information analysis as well as policy. As such, I have interest and expertise in both ‘science for policy’ as well as ‘policy for science.’ I am currently an independent consultant with The World Bank and The GovLab Academy, and also have an appointment at the Department of GeoScience, University of Wisconsin, Madison, WI, USA where I am working on [Macrostrat Deep Dive](#), a machine reading and learning system, built upon a new kind of digital library resource. Before that I was the Manager of Science and Data Policy at Creative Commons where I focused on open data, text and data mining, open science policy, and citizen-sourced information. I am also a member of the [CODATA Task Group on Data Citation Standards and Practices](#), and co-authored the chapter on Emerging Principles for Data Citation in the Task Group’s report titled “Out of Cite, Out of Mind.”

My interests are in open sensor-based hardware, ethical issues around citizen-sourced information, licensing open hardware and certification of data quality, novel ways of citizen-engagement, and promoting hacker/maker spaces for learning-by-making, teaching-by-doing. I believe that not only is it possible to be both at the same time, in today’s day and age it is the only way to ensure that our work has the highest possibility of making an impact, be it uncovering new knowledge or solving an intractable problem at local or global scales.

I help domain scientists make sense of data by adopting, adapting and creating novel data acquisition, analysis and access techniques. And I work on the policies to create an environment where information is open by default. I serve as an advisor on various scientific projects, and advocate for a more participatory, collaborative way of working in a world where information and analytics are embedded in every aspect of our lives.

## **B. Positions and Honors**

### **Positions and Employment**

2015-	Independent Consultant to University of Wisconsin-Madison, The World Bank, The GovLab Academy
2012-2015	Manager, Science and Day Policy, Creative Commons, San Francisco, CA, USA
2006-2012	Researcher, University of Wisconsin-Madison, Madison, WI, USA
1997-2006	Senior Analyst/Programmer, GeoAnalytics, Madison, WI, USA
1993-1997	GIS Specialist, The World Bank, Washington, DC, USA
1985-1987	Research Scientist, Development Alternatives, New Delhi, India

### **Honors**

2009-2010	Science Fellow, Creative Commons, USA
2009	Vespucci Institute, Fiesole, Italy
2008	Summer Doctoral Program, Oxford Internet Institute, University of Oxford, Oxford, UK
2007	Fellow, Science and Technology Fellowship, National Academy of Science, Washington, DC, USA
1995	International Young Scholar, National Center for Geographic Information Analysis, ME, USA
1991-1992	Fellow, American Institute for Indian Studies, University of Chicago, Chicago, IL, USA
1991	Researcher for Land Tenure Center, Ministry of Planning, Govt. of Trinidad and Tobago, Port of Spain, Trinidad

## **Other Experience and Memberships**

2015-	Advisor, Manylabs Science Hackspace, San Francisco, CA, USA
2014-	Advisor, ContentMine, Cambridge, UK
2013	Poster Committee, WWW2013, Rio de Janeiro, Brazil
2012-	Advisor, Working Group on Science, Open Knowledge International
2011	Program Committee, Open Knowledge Conference OKCon 2011, Berlin, Germany
2011	Working Group on Research, Data and Knowledge Sharing, UN Foundation, Washington, DC, USA
2010-	Member, Electronic Frontier Foundation
2010-	Member, Association of Computing Machinery
2008-2010	Internet-Based Computing and Systems, The 4th, 5th, and 6th International Conferences on Signal-Image Technology and Internet-Based Systems (SITIS)
2009-2010	OneSpace, 2nd & 3rd Int'l Workshops on Blending Physical and Digital Spaces on the Internet, Berlin, Germany
2009	2nd International Workshop on Location and the Web, CHI 2009, Boston, MA
2008	1st International Workshop on Location and the Web, WWW 2008, Beijing, China
2006-	Elected Charter Member, Open Source GeoSpatial Foundation
1995-	Life Member, National Association of Geographers, India

## **C. Selected Peer-reviewed Publications**

Micah Altman, Daniel Cohen, and **Puneet Kishor**. 2013. Emerging Principles for Data Citation. In Yvonne M Socha (Ed.) [Out of Cite, Out of Mind](#). Data Science Journal 12: 1–76. doi:10.2481/dsj.OSOM13-043

Shanan E. Peters, Miron Livny, Kurt Squire, Jack Williams, Bill Hibbard, **Puneet Kishor**, Sam Batzli, Patrick McLaughlin, Susan Millar, Tom Whittaker, Nancy Wiegand, and Terry Millar. 2011. Towards a New Distributed Platform for Integrative Geoscience: An EarthCube Design Approach and Prototype Plan. White paper submitted to the NSF as part of the EarthCube Initiative, Washington DC.

**Puneet Kishor**, Oshani Seneviratne, and Noah Giansiracusa. 2009. [Policy Aware Geospatial Data](#). In, ACM. Seattle: ACM

**Puneet Kishor** & Oshani Seneviratne. 2009. [Public Policy: Mashing up Technology and Law](#). COUNTER2010 Mashing-up Cultures: The Rise of User-generated Content. In the Proceedings from the COUNTER2010 workshop on Mashing-up Culture, Uppsala University, Uppsala, Sweden.

**Puneet Kishor**. 2009. Public Policy—bringing technology and law together for open access. 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. D. A. L. Canhos, V. Canhos, W. Anderson, P. Uhlir, B. Carroll, R. Sharif and **P. 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**. 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 Arnoldo 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.

#### **D. Research Support**

##### Open Hardware Licensing and Data Certification.

To evaluate the strengths and weaknesses of the available open licensing options for hardware, with an emphasis on distributed sensing hardware. Funded by Sloan Foundation

Role: PI

##### Sensored City

To design and implement a network of sensor-based hardware for collecting environmental data and drive a public installation of data-driven art. Funded by Robert Wood Johnson Foundation

Role: PI

##### Sharing v. Privacy

To explore the potential of shifting the conversation from privacy to sharing to encourage medical data sharing. Funded by Robert Wood Johnson Foundation

Role: PI