

Dr. Ramaswami Bio

Dr. Ramaswami is a full Professor of Environmental Engineering and Director of the NSF-Sponsored \$3.2M IGERT Program on Sustainable Urban Infrastructure in the College of Engineering and Applied Science at the University of Colorado Denver (<http://thunder1.cudenver.edu/IGERT/>). She received her BS in chemical engineering from the Indian Institute of Technology, Madras, and her MS and PhD in civil and environmental engineering from Carnegie Mellon University. Ramaswami's research spans environmental modeling, technology development for sustainability and integration of science and technology with policy and planning for real-world implementation in communities.

Dr. Ramaswami has led university research teams that received national awards from the U.S. Environmental Protection Agency (P3 Award Winning Teams in 2004 and 2005) and the National Science Foundation. She is a technical advisor to the city and county of Denver, conducting a greenhouse gas inventory and developing climate action plans for the city. She is also an expert advisor on developing greenhouse gas emissions inventory protocols for ICLEI, formerly the International Council for Local Environmental Affairs. In 2005, Ramaswami was invited by the National Science Foundation to represent the United States at the World Science Forum to discuss "Knowledge, Ethics and Responsibility" in an international setting. In 2008, Dr. Ramaswami was invited by the National Science Board to serve on the National Task force on Sustainable Energy, held at Golden, CO in June 2008. Dr. Ramaswami along with her students have had extensive experience working on GHG inventories and climate action planning with more than 10 cities in CO and nation-wide. This work in Colorado is already impacting approximately 1 million people statewide.

Recent Media Coverage Featuring Dr. Ramaswami:

- 2008 SustainLane Web Report on Ramaswami's work with US and International Cities: How Big is Your Carbon Footprint? (<http://www.sustainlane.com/us-city-rankings/articles/how-big-is-your-carbon-footprint/US8ZCJH4RFR98XCSP4PMVUIMO3A>)
- 2008 Denver's Channel 7 Interview: Greenhouse Gas Inventory for Central City, CO (<http://www.thedenverchannel.com/going-green/17603201/detail.html>)
- 2007 Denver's Channel 7 Interview: Green Concrete Policies in Denver (<http://www.thedenverchannel.com/news/14718809/detail.html>)

Ongoing Funded Projects with Ramaswami as Lead PI

- US National Science Foundation: IGERT Program on Sustainable Urban Infrastructure, \$3.2M, 2007-2012
- US Department of Education: GAANN Grant on Sustainable Urban Infrastructure Engineering (\$577,000; 2003-2008)

Example Publication

2008 Ramaswami, A., Hillman, T., Janson, B.; Reiner, M.; Thomas, G, "A Demand-Centered Hybrid Life Cycle Methodology for City-Scale Greenhouse Gas Inventories", **Environmental Science & Technology**, 42(17): 6456 – 6461, 2008.