

Sabine Marx, Ph.D., Columbia University  
Phone: 212-854-8760, Email: sm2234@columbia.edu

## Resume

### Positions:

**Associate Director**, January 2005 - present  
Columbia University, Center for Research on Environmental Decisions (CRED)

**Adjunct Research Scientist**, 2005 – 2006  
Columbia University, International Research Institute for Climate and Society (IRI)

**Post-Doctoral Research Scientist**, May 2003 – January 5, 2005  
Columbia University, International Research Institute for Climate Prediction (IRI)

**Post-Doctoral Research Scientist**, November 2002 - May 2003  
Columbia University, Department of Psychology and International Research Institute for Climate Prediction (IRI)

### Education:

**Carnegie Mellon University**, Pittsburgh, PA  
Ph.D., Medical History, May 2002  
*Dissertation*: “Rethinking the Rise of Scientific Medicine in Trier, Germany, 1880-1914” (Advisors: Prof. Mary Lindemann, Prof. Caroline Acker)

**Carnegie Mellon University**, Pittsburgh, PA  
M.A., History, May 1996

**University of Cologne**, Germany  
B.A./M.A. (*Diplom*), Dual-Major in Pedagogy & Sociology; Dual-Minor: Psychology & Art Therapy, December 1994  
*Master’s Thesis*: (Medical Sociology): “Psychosomatic Care: A Theoretical-Empirical Analysis of the Behavior of General Practitioners -- a Survey of General Practitioners in Germany” (Advisor: Prof. Dr. Gerhard Kunz, University of Cologne, Germany)

**Rhein-Sieg Art Academy**, Neunkirchen-Seelscheid, Germany  
Graphic Design, November 1988 to September 1989

### Awards/Stipends:

Nominee and Finalist, Fritz Stern Dissertation Prize (2003)  
German Historical Institute

Honorable Mention, Shryock Medal Essay Contest (2002)  
American Association for the History of Medicine

Graduate Student Award (2001)  
Coordinating Council for Women in History (CCWH) / Berkshire Conference of Women Historians

Selected for participation in the Sixth Transatlantic Doctoral Seminar in German History, organized by the German Historical Institute, the Center for German and European Studies at Georgetown University, and Humboldt University, Berlin, Germany, 2000

Dissertation Research Travel Grant, Carnegie Mellon University (1998/99)

Graduate Fellowship, Carnegie Mellon University  
August 1995 - May 2001

### Services/Memberships:

Reviewer: *Global Environmental Change*; *Environmental Science and Policy*; *NATO Advanced Studies Institute*; *National Science Foundation*; *American College of Thessaloniki*; *Institute for Social and Economic Research and Policy (ISERP) Seed Grant Competition*.

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Editorial Committee Member: *Social Science History* 2000-2002

Board Member, *Friendship Preservation Group* (urban neighborhood development),  
Pittsburgh, PA, 1999-2002

Membership in Professional Associations: *American Association for the History of Medicine (AAHM)* since 1996; *American Historical Association (AHA)* 1995-2005;  
*Social Science History Association (SSHA)* 1999-2003

### **Publications and Reports:**

**Marx, S.M.** and Weber, E.U. (2009). Decision Making under Climate Uncertainty: The Power of Understanding Judgment and Decision Processes. In: *Climate Change in the Great Lakes Region: Decision Making under Uncertainty*. Ed. Thomas Dietz and David C. Bidwell. MSU Press (in press).

Broad, K., Bolson, J., Clement, A., Balstad, R., **Marx, S.M.**, Peterson, N., Ramirez, I., (2008). Climate and Human Health: Physics, Policy and Possibilities. In: Walsh, P.J., S.L. Smith, L.E. Fleming, H. Solo-Gabriele, W.H. Gerwick (eds.) *Oceans and Human Health: Risks and Remedies from the Sea*, Elsevier Science Publishers, New York, chapter 2, pp. 35-58.

Balstad, R., Russell, R., Gil, V., **Marx, S.M.**, (2008) Adapting to an Uncertain Climate on the Great Plains: Testing Hypotheses on Historical Populations. In: Neil Adger, Irene Lorenzoni, and Karen O'Brian (Eds.), *Climate Change Adaptation*. Cambridge University Press, pp. 283-295.

**Marx, S.M.**, Weber, E.U., Orlove, B.S., Leiserowitz, A., Krantz, D.H., Roncoli, C., Phillips, J. (2007) Communication and Mental Processes: Experiential and Analytic Processing of Uncertain Climate Information. *Global Environmental Change* 17, 47-58.

**Marx, S.M.**, Ramirez, I., Harvey, N., and Weber, E.U. (2007) Working Group Report on Decision Making. In: *WMO Conference Proceedings "Living with Climate Change and variability: Understanding the Uncertainties and Managing the Risks,"* Espoo, Finland, 2006.

**Marx, S.M.** and DaSilva, J. (2004) Malaria Surveillance, Forecasting, Preparedness and Response in Southern Africa. *Instructional Poster*. WHO-Afro: Harare, Zimbabwe.

DaSilva, J., Garanganga, B., Teveredzi, V. **Marx, S.M.**, Mason, S.J., Connor, S.J. (2004) Improving Epidemic Malaria Planning, Preparedness and Response in Southern Africa, *Malaria Journal* 3:37.

Hansen, J., **Marx, S.**, Weber, E.U. (2004) The Role of Climate Perceptions, Expectations, and Forecasts in Farmer Decision Making: The Argentine Pampas and South Florida. *IRI Technical Report* 04-01.

**Marx, S.M.** (2003) Müssen wir den Aufstieg naturwissenschaftlicher Medizin überdenken? Das Beispiel Trier 1880-1914. *Landeskundliche Vierteljahresblätter* 49 (2003) 4: 135-143.

**Marx, S.M.**, Gesundheitspflege in der Rheinprovinz: Trierer Kreisärzte im Spannungsfeld zwischen Politik, Religion und Medizin, 1880-1914. Article accepted for publication in the volume *Geschichte der Medizin im Rheinland*. Cologne: forthcoming.

### **Selected Presentations:**

"Community Outreach and Engagement: Insights from the Decision Sciences," ICLEI – Local Governments for Sustainability, 2009 Northeast/Mid-Atlantic Workshop. White Plains, NY, May 15, 2009

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“Climate and Decision Making,” Columbia Climate Center Launch, March 31, Columbia University, NY, 2009

“Reducing Emissions of Greenhouse Gases,” Panel Member (with Wally Broecker, Klaus Lackner, Steve Cohen, Kate Brash, Mary-Elena Carr), Focus the Nation event, Columbia University, February 11, 2009

“Attitudes, Behavior, and Decision Making: Implications for Adaptation to Climate Change,” Columbia Climate Center Retreat, May 13, 2008.

“Talking Global Warming: The Effect of Science, Vivid Imagery, and Art on Environmental Decisions,” with Victoria Anstead, High School for Environmental Studies, March 13, 2008

“Climate Change: From Concern to Action,” with Victoria Anstead, The Martin E. Segal Theatre Center, The Graduate Center, CUNY, New York, Earth Day, April 22, 2008

Climate of Concern, Panel member (with Andrea Polli, William Solecki, Victoria Anstead), The Martin E. Segal Theatre Center, The Graduate Center, CUNY, New York, April 22, 2008

“Judgment and Decision Making in Extreme Environments (and in everyday life).” Guest lecture at “Exploring the Poles,” Barnard Environmental Science, February 20, 2008.

“Images from the Poles: The Psychology of Environmental Decision Making,” with Victoria Anstead, American Museum of Natural History, 2<sup>nd</sup> New York International Polar Weekend, February 2, 2008

“A Picture is Worth a Thousand Graphs: The Psychology of Environmental Decision Making,” Presentation at the New York City International Polar Weekend, American Museum of Natural History, March 10-11, 2007

“Analytic and Experiential Processing and the Communication of Climate Uncertainty,” guest lecture at “Thinking and Decision Making,” Columbia University, December 5, 2006

“Affective and Statistical Strategies in Communicating Climate Uncertainty,” Paper at the 6<sup>th</sup> Open Meeting of the Human Dimensions of Global Environmental Change Research Community (IHDP), Bonn Germany, October 10, 2005

“Environmental Decision Making,” Lecture at the Science Teacher Program, Columbia University, August 1, 2005

Panelist, Women in Science Panel -- Earth Day 2005, Presentation “Scientific Information and ‘Real World’ Decision Making,” Lamont Doherty Earth Observatory, April 30, 2005

“Decision Making under Uncertainty,” Guest lecture at Climate and Society MA program, Columbia University, February 2, 2005

“Improving Epidemic Malaria Planning, Preparedness and Response in Southern Africa” Poster at the annual meeting of the American Society for Tropical Medicine and Hygiene, Miami, Florida, November 7-11, 2004

“Overview of Climate Predictability and Interactions Between Climate and Health” Southern Africa Malaria Outlook Forum, Harare, Zimbabwe, September 26-29, 2004

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“Reporting Back to the MDG Task Force on Malaria”  
Southern Africa Malaria Outlook Forum, Harare, Zimbabwe, September 26-29, 2004

“Decision Making Under Climate Uncertainty: Implications for Malaria Control”  
Southern Africa Malaria Outlook Forum, Harare, Zimbabwe, September 26-29, 2004

“The Role of Climate Perceptions, Expectations, and Forecasts in Farmer Decision Making,” IRI Seminar Series, April 28, 2004

“Perception of Climate Variability and Farmers’ Decision Making”  
Guest lecture in “Experimental Psychology: Thinking and Decision Making,”  
Department of Psychology, Columbia University, February 24, 2004

“The Public’s Perceptions of Physicians in Trier, Germany, 1880-1914” American  
Association for the History of Medicine, Kansas City, KS,  
April 25-28, 2002

“The Rise of Scientific Medicine?: Doctors, Patients, and the State in Germany, 1880-  
1914” Graduate Student Forum of the Department of History, Carnegie Mellon  
University, September 19, 2002

“Gesundheitspflege in der Rheinprovinz: Trierer Kreisärzte im Spannungsfeld zwischen  
Politik, Religion und Medizin, 1880-1914” (“Health Care in the Rhine Province: Trier’s  
District Physicians Between Politics, Religion, and Medicine, 1880-1914”)  
Medicus 2001, Institute for the History and Ethics of Medicine, University of Cologne,  
Germany, October 5-6, 2001

“The Persistence of Traditional Medicine in Trier, Germany, 1880-1914”  
Sixth Transatlantic Doctoral Seminar in German History: “Germany in the Imperial Age,  
1850-1914,” organized by the German Historical Institute, the Center for German and  
European Studies at Georgetown University, and the Humboldt University, Berlin,  
Germany, April 26-29, 2000

“Perceptions of Disease in Trier, Germany, 1880-1914,” Graduate Student Forum of the  
Department of History, Carnegie Mellon University, May 7, 1997