
MARTA VICARELLI

CONTACT

CURRENT POSITION

Since 2013 Assistant Professor, Department of Economics and School of Public Policy
University of Massachusetts, Amherst.

EDUCATION

2011 Ph.D. in Sustainable Development, Columbia University.
Thesis Title: *Essays on Climate Risks and Vulnerability-Reduction Strategies*
Thesis advisor: Professor Geoffrey Heal, Columbia University

2005 Master in International Affairs, Columbia University, School of International and
Public Affairs.

2003 M.A. Environmental Economics, École Polytechnique, Paris, France.

2002 B.S. in Earth and Atmospheric Sciences, École Normale Supérieure, Paris, France.

APPOINTMENTS:

2009 -2019 Paris School of International Affairs, Sciences Po., Summer Visiting Scholar

2011-2012 Climate and Energy Institute, Yale University, Postdoctoral Associate

2010-2011 Harvard University's Center for International Development
Sustainability Science Doctoral Fellow

2009-2010 Harvard University's Center for International Development
Giorgio Ruffolo Doctoral Fellow, Sustainability Science Program

2008-2011 School of International Affairs, Columbia University, Instructor

2006-2010 Center for Climate Systems Research (CCSR), Columbia University
Research Assistant

2004-2010 NASA Goddard Institute of Space Studies, New York
Research Assistant

2004-2007 Intergovernmental Panel for Climate Change (IPCC) 4th Assessment Report
Contributing author, Working Group II

2006-2007 International Institute for Applied Systems Analysis (IIASA), Austria
Young Research Fellow in the Risk Management Group

2004 United Nations Development Program, Trinidad and Tobago
Environmental and Energy Policy Consultant

2003 OECD, Paris, Consultant
Conducted Survey *Firm Level Economic Efficiency and Environmental Policies*, and co-authored report to OECD and French Ministry of the Environment.

Scholarships, and Fellowships:

2009-2010 Giorgio Ruffolo Doctoral Fellow, Sustainability Science Program, Harvard University (25,000 USD).
2008 Peccei Award/Fellowship for Outstanding Research. IIASA, Austria (5,000 Euros).
2007 National Academies of Sciences, IIASA Young Scientist Fellowship (3,000 USD).
2006 Alliance Doctoral Mobility Program Fellow, Columbia University – École Polytechnique, France (4,000 USD).
2005-2011 Columbia University Doctoral Fellowship (260,000 USD)
2004-2005 Alice Stetten Fellow, SIPA, Columbia University (15,000 USD).
2003-2004 Research Assistant Fellow, Earth Institute, Columbia University, New York.
2000-2004 École Normale Supérieure Élève-Fonctionnaire Fellowship, French Ministry of Education (80,000 Euros).

Selected Honors and Awards:

2011 Best Poster Award at the Northeast Universities Development Consortium Conference 2011: “*El Nino and Mexican Children: medium-term effects of early-life weather shocks on cognitive and health outcomes*”
2008 NASA Goddard Institute of Space Studies, Best Publication Award.
2007 Contributing author to the International Panel for Climate Change, Nobel Peace Prize 2007.

Selected Publications:

Vicarelli Marta, Ajay Dawani, Emily Laus, Nihal Warawdekar, *Energy Aggregation Programs in Massachusetts Municipalities: Do They Enhance Renewable Energy Consumption and Energy Efficiency Strategies?* (in preparation)

Aguilar Arturo and Marta Vicarelli “*El Niño and children: Medium-term effects of early-life weather shocks on cognitive and health outcomes*”, *World Development*, Volume 150, 2022, 105690, ISSN 0305-750X, already available online <https://doi.org/10.1016/j.worlddev.2021.105690>

with Karen Sudmeier-Rieux et al. “*Ecosystem-based Disaster Risk Reduction: a Review of Existing Literature across Disciplines*” (2021) *Nature Sustainability*: 1-8

Vicarelli Marta, Rohini Khamal, and Maria Fernandez. (2016) *Developing a framework for the financial assessment of Ecosystem Disaster Risk Reduction interventions*. In Renaud, F., Sudmeier-Rieux, K., Estrella, M. and U. Nehren *Ecosystem-based disaster risk reduction and adaptation: linking science, policy and practice*. New York, NY: Springer.

Linking Indigenous and Scientific Knowledge of Climate Change with C. Alexander, N. Bynum, V. Ford, L. Johnson, U. King, T. Mustonen, P. Neofotis, N. Oettle, C. Rosenzweig, C. Sakakibara, C. V. Shadrin, J. Waterhouse, E. Wiegandt. 2011. *Bioscience*, Vol. 61, n. 6.

Rosenzweig, C., D. Karoly, M. Vicarelli, P. Neofotis, Q. Wu, G. Casassa, A. Menzel, T.L. Root, N. Estrella, B. Seguin, P. Tryjanowski, C. Liu, S. Rawlins, and A. Imeson. 2008. “*Attributing physical and biological impacts to anthropogenic climate change*.” *Nature*, 453, 353-357.

Contributing author to IPCC, 2007. *Climate Change 2007: Impacts, Adaptation and Vulnerability*. Contribution of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. [M.L. Parry, O.F. Canziani, J.P. Palutikof, and P.J. van der Linden, Eds.] Cambridge University Press, pp. 79-131.