

## **RAMÓN BUENO**

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### **SUMMARY:**

Computer modeler and data analyst specializing in the economics of climate change, with more than 20 years' experience designing, building and using analysis models and information systems for a wide range of applications, from business intelligence to public policy. Fully bilingual (English/Spanish).

### **EDUCATION:**

**Mid-Career Acceleration Program Certificate**, 2007, Massachusetts Institute of Technology  
**Master of Science** (systems modeling and optimization), 1976, Massachusetts Institute of Technology  
**Bachelor of Science** (aeronautics and astronautics), 1974, Massachusetts Institute of Technology

### **EXPERIENCE:**

**Stockholm Environment Institute–U.S. Center**, Somerville, MA  
*Staff scientist, Climate Economics Group, 2008-present*

**Tufts University**, Somerville, MA  
*Research fellow, Global Development and Environment Institute, 2007-08*

**Comverse Inc./CSG Systems Inc./Lucent Technologies/Kenan Systems Corporation/Consultants for Management Decisions Inc.** (same evolving organization), Cambridge, MA  
*Business analyst, software developer/architect, internal consultant, 1985-2007*

**Metcalf & Eddy Inc.**, Boston and Wakefield, MA  
*Senior programmer and analyst, 1982-85*

**Massachusetts Institute of Technology**, Cambridge, MA  
*Multi-regional planning staff, Department of Urban Studies and Planning, 1981-82*

**Draper Laboratories**, Cambridge, MA  
*Software analyst, space shuttle navigation, 1980-81*

**Intermetrics Inc.**, Cambridge, MA  
*Software analyst, simulator, space shuttle navigation, 1976-79*

### **AFFILIATIONS:**

**Global Development and Environment Institute**, Tufts University, Somerville, MA  
*Research fellow, 2007-present*

**PUBLICATIONS:**

**Journal Articles:**

[“CRED: A new model of climate and development”](#) (2011). *Ecological Economics*, in press. Frank Ackerman, Elizabeth A. Stanton and Ramón Bueno.

[“Fat Tails, Exponents, Extreme Uncertainty: Simulating Catastrophe in DICE”](#) (2010). Frank Ackerman, Elizabeth A. Stanton and Ramón Bueno. *Ecological Economics* 69:9, pp. 1657-1665.

**Working Papers and White Papers:**

[“Estimating Regions’ Relative Vulnerability to Climate Damages in the CRED Model”](#) (2012). Elizabeth A. Stanton, Jeffrey Cegan, Ramón Bueno and Frank Ackerman. SEI Working Paper WP-US-1103.

[“CRED v.1.3 Technical Report”](#) (2011). Frank Ackerman, Elizabeth A. Stanton, and Ramón Bueno. SEI Technical Report.

[“Comparing climate strategies: Economic optimization versus equitable burden-sharing”](#) (2011). Frank Ackerman, Ramón Bueno, Sivan Kartha and Eric Kemp-Benedict. SEI Working Paper WP-US-1104. Under review for publication.

[“Use of McKinsey abatement cost curves for climate economics modeling”](#) (2011). Frank Ackerman and Ramón Bueno. SEI Working Paper WP-US-1102.

[“Casting DICE for 350 ppm”](#) (2011). Ramón Bueno and Elizabeth A. Stanton. SEI Working Paper WP-US-1101.

**Reports and Policy Studies:**

*Greenhouse Gas Emissions in King County: An Updated Geographic-plus Inventory, a Consumption-based Inventory, and an Ongoing Tracking Framework (Forthcoming)* Peter Erickson, Michael Lazarus, Elizabeth A. Stanton, Chelsea Chandler, Ramón Bueno, Frank Ackerman, Charles Munitz, and Jeff Cegan. Prepared for King County, Washington.

[\*Real People, Real Impacts: The Climate Impact Equity Lens\*](#) (2011). Elizabeth A. Stanton, Ramón Bueno and Marion Davis. A Stockholm Environment Institute Report.

[\*The CIEL Backgrounder: Understanding the Climate Impact Equity Lens\*](#) (2011). Elizabeth A. Stanton and Ramón Bueno. A Stockholm Environment Institute Report.

[\*Consumption-Based Greenhouse Gas Emissions Inventory for Oregon – 2005: Technical Report\*](#) (2001). Elizabeth A. Stanton, Ramón Bueno, Frank Ackerman, Peter Erickson, Roel Hammerschlag, and Jeff Cegan. Prepared for the State of Oregon Department of Environmental Quality.

*Consumption-Based Emissions Inventory for San Francisco: Technical Report* (2011). Elizabeth A. Stanton, Ramón Bueno, Jeffrey Cegan, and Charles Munitz. Prepared for the City of San Francisco, California.

*King County Community Greenhouse Gas Emissions Inventory – Consumption Methodology: Technical Report* (2011). Elizabeth A. Stanton, Ramón Bueno, Jeffrey Cegan, and Charles Munitz. Prepared for King County, Washington.

*The Caribbean and Climate Change: The Costs of Inaction* (2008). Ramón Bueno, Cornelia Herzfeld, Elizabeth A. Stanton and Frank Ackerman. Report commissioned by the Environmental Defense Fund.