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SUMMARY:

Economist focused on environmental policy, economic inequality, and the interplay between climate protection and development, conducting independent research and analysis as well as studies commissioned by government agencies, international organizations, and nonprofit groups.

EDUCATION:

Ph.D. in Economics, 2007, University of Massachusetts-Amherst

Master of Arts in Economics, 2000, New Mexico State University Las Cruces, NM

Bachelor of International Studies, 1994, School for International Training, Brattleboro, VT

RESEARCH and TEACHING EXPERIENCE:

Stockholm Environment Institute–U.S. Center, Somerville, MA

Senior economist, 2010-present

Economist, 2008-2009

College of New Rochelle, New Rochelle, NY

Assistant professor, Department of Social Sciences, 2007-2008

Tufts University, Somerville, MA

Adjunct professor, Department of Urban Environmental Policy and Planning, 2007

Researcher, Global Development and Environment Institute, 2006-2007

University of Massachusetts-Amherst, Amherst, MA

Editor and researcher, Natural Assets Project, Political Economy Research Institute, 2002-2005

Center for Popular Economics, Amherst, MA

Program Director, 2001-2003

Fitchburg State College, Fitchburg, MA

Adjunct professor, Social Sciences Department, 2006

University of Massachusetts-Amherst, Amherst, MA

Adjunct professor, Department of Economics, 2003-2006

Castleton State College and the Southeast Vermont Community Learning Collaborative,

Dummerston, VT

Adjunct professor, 2005

School for International Training, Brattleboro, VT

Adjunct professor, Program in Intercultural Management, Leadership, and Service, 2004

AFFILIATIONS:

Economics for Equity and the Environment (E3 Network), Portland, OR
Climate Task Force member, 2007-present

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

PUBLICATIONS:

Books and Book Chapters:

“[Greenhouse Gases and Human Well-Being: China in a Global Perspective](#)” (2011). In *The Economics of Climate Change in China: Towards a Low-Carbon Economy*, edited by Fan Gang, Nicholas Stern, Ottmar Edenhofer, Xu Shanda, Klas Eklund, Frank Ackerman, Li Lailai and Karl Hallding. Earthscan: London. A previous version appeared as [SEI Working Paper WP-US-0907](#).

[Reclaiming Nature: Worldwide Strategies for Building Natural Assets](#) (2007). James K. Boyce, Elizabeth A. Stanton and Sunita Narain, eds. Anthem Press: London.

“[Land Reform and Sustainable Development](#)” (2007). James K. Boyce, Peter Rosset and Elizabeth A. Stanton. In *Reclaiming Nature: Worldwide Strategies for Building Natural Assets*, edited by James K. Boyce, Sunita Narain and Elizabeth A. Stanton. Anthem Press: London.

[Environment for the People](#) (2005). Elizabeth A. Stanton and James K. Boyce. Political Economy Research Institute: Amherst, MA.

Journal Articles:

“[Negishi welfare weights in integrated assessment models: The mathematics of global inequality](#)” (2011). Elizabeth A. Stanton. *Climatic Change* 107:3, pp. 417-432.

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

“[The Economics of 350](#)” (2010). Frank Ackerman, Elizabeth A. Stanton, Stephen J. DeCanio, Eban Goodstein, Richard B. Howarth, Richard B. Norgaard, Catherine S. Norman, Kristen A. Sheeran. *Solutions* 1:5 (Sept.-Oct. 2010), pp. 49-56.

“[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.

“[Climate and development economics: Balancing science, politics and equity](#)” (2009), Elizabeth A. Stanton and Frank Ackerman. *Natural Resources Forum* 33:4, pp. 262-273.

“[Inside the Integrated Assessment Models: Four Issues in Climate Economics](#)” (2009). Elizabeth A. Stanton, Frank Ackerman and Sivan Kartha. *Climate and Development* 1:2, pp. 166-184.

“[Did the Stern Review Underestimate U.S. and Global Climate Damages?](#)” (2009). Frank Ackerman, Elizabeth A. Stanton, Chris Hope, and Stephane Alberth. *Energy Policy* 37:7, pp. 2717-2721.

[“Can Climate Change Save Lives? A comment on ‘Economy-wide estimates of the implications of climate change: Human health’”](#) (2008). Frank Ackerman and Elizabeth A. Stanton. *Ecological Economics* 66:1, pp. 8-13.

[“Implications of REACH for Developing Countries”](#) (2008). Frank Ackerman, Elizabeth A. Stanton, Brian Roach and Anne-Sofie Andersson. *European Environment* 18:1, pp. 16-29.

[“European Chemical Policy and the United States: The Impacts of REACH”](#) (2007). Frank Ackerman, Elizabeth A. Stanton and Rachel Massey. *Renewable Resources Journal* 25:1. A previous version appeared as Global Development and Environment Institute Working Paper 06-06.

Working Papers and White Papers:

“The Tragedy of Maldistribution: Climate, Sustainability, and Equity” (Forthcoming) Elizabeth A. Stanton. SEI Working Paper.

[“Development without Carbon as Climate Policy”](#) (2012) Elizabeth A. Stanton. E3 Working Paper.

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

[“Climate Risks and Carbon Prices: Revising the Social Cost of Carbon”](#) (2011) Frank Ackerman and Elizabeth A. Stanton. *Economics E-Journal* Discussion Paper No.2011-40.

[“Estimating Regions’ Relative Vulnerability to Climate Damages in the CRED Model”](#) (2011). Elizabeth A. Stanton, Jeffrey Cegan, Ramón Bueno and Frank Ackerman. SEI Working Paper WP-US-1103.

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

[“No State Left Behind: A Better Approach to Climate Policy”](#) (2010). Elizabeth A. Stanton and Frank Ackerman. Economics for Equity and the Environment (E3 Network) white paper, released with the report *Emission Reduction, Interstate Equity, and the Price of Carbon* (see reports listing below).

[“Understanding Interstate Differences in U.S. Greenhouse Gas Emissions”](#) (2010). Elizabeth A. Stanton, Frank Ackerman and Kristen A. Sheeran. SEI Working Paper WP-US-1004.

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.

[“Development without Carbon: Climate and the Global Economy through the 21st Century”](#) (2011) Elizabeth A. Stanton. A Stockholm Environment Institute Report.

[“Climate Economics: The State of the Art”](#) (2011) Frank Ackerman and Elizabeth A. Stanton. Report commissioned by WWF.

Climate Risks and Carbon Prices: Revising the Social Cost of Carbon (2011). Frank Ackerman and Elizabeth A. Stanton. Report commissioned by Economics for Equity and the Environment (E3 Network).

Consumption-based Greenhouse Gas Emissions Inventory for Oregon – 2005: Summary Report (2011). Peter Erickson, Michael Lazarus, Elizabeth A. Stanton and Frank Ackerman. Prepared for the State of Oregon Department of Environmental Quality.

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.

Regulation of Cooling Water Intake Structures at Existing Facilities (2011) Frank Ackerman and Elizabeth A. Stanton. Testimony to the U.S. Environmental Protection Agency, Docket ID EPA-HQ-OW-2008-0667

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.

Developing Baselines for Climate Policy Analysis (2011) Elizabeth A. Stanton and Frank Ackerman. Additional guidance supporting UNEP's MCA4climate initiative: A practical framework for planning pro-development climate policies.

Accounting for Risk and Uncertainty in Climate Policy Assessment (2011) Frank Ackerman and Elizabeth A. Stanton. Additional guidance supporting UNEP's MCA4climate initiative: A practical framework for planning pro-development climate policies.

The Last Drop: Climate Change and the Southwest Water Crisis (2011). Frank Ackerman and Elizabeth A. Stanton. Report funded by a Kresge Foundation grant.

California Water Supply and Demand: Technical Report (2011). Elizabeth A. Stanton and Ellen Fitzgerald. Report funded by a Kresge Foundation grant.

Testimony on EPA's 'Coal Combustion Residuals: Proposed Rule' (2010). Frank Ackerman and Elizabeth A. Stanton. Submitted as part of Earthjustice/Environmental Integrity Project testimony on Docket ID EPA-HQ-RCRA-2009-6040.

Emission Reduction, Interstate Equity, and the Price of Carbon (2010). Elizabeth A. Stanton and Frank Ackerman. Report commissioned by Economics for Equity and the Environment (E3 Network).

Costing Climate Impacts and Adaptation: A Canadian Study on Coastal Zones (2010). Elizabeth A. Stanton, Marion Davis and Amanda Fencl. Report commissioned by the National Round Table on the Environment and the Economy Economic Risks and Opportunities of Climate Change Program.

The socio-economic implications of climate change on FYR Macedonia and national policy options on adaptation (2010). Frank Ackerman and Elizabeth A. Stanton. Report commissioned by the United Nations Development Programme.

The Social Cost of Carbon (2010). Frank Ackerman and Elizabeth A. Stanton. Report commissioned by

The Socio-Economic Impact of Climate Change in Armenia (2009). Elizabeth A. Stanton, Frank Ackerman and Flávia Resende. Report commissioned by the United Nations Development Programme.

The Economics of 350: The Benefits and Costs of Climate Stabilization (2009). Frank Ackerman, Elizabeth A. Stanton, Stephen J. DeCanio, Eban Goodstein, Richard B. Howarth, Richard B. Norgaard, Catherine S. Norman, Kristen A. Sheeran. Report commissioned by Economics for Equity and the Environment (E3 Network), with SEI-U.S. and Ecotrust.

Greenhouse Gases and the American Lifestyle: Understanding Interstate Differences in Emissions (2009). Elizabeth A. Stanton, Frank Ackerman and Kristen Sheeran. Report commissioned by Economics for Equity and the Environment (E3 Network), with Ecotrust.

Literature review of water resources infrastructure and related environmental costs and benefits, for “*Default Case Study Values and Management Options for WEAP in Massachusetts*,” part of Keep Water Local, a project of the Massachusetts Riverways Program, Commonwealth of Massachusetts, 2008.

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.

The Cost of Climate Change: What We’ll Pay if Global Warming Continues Unchecked (2008). Frank Ackerman and Elizabeth A. Stanton. Report commissioned by the Natural Resources Defense Council.

Generated User Benefits and the Heathrow Expansion: Understanding Consumer Surplus (2008). Elizabeth A. Stanton and Frank Ackerman. Report to Friends of the Earth England, Wales and Northern Ireland.

Out of the Shadows: What’s Behind DEFRA’s New Approach to the Price of Carbon (2008). Elizabeth A. Stanton and Frank Ackerman. Report to Friends of the Earth England, Wales and Northern Ireland.

Florida and Climate Change: The Costs of Inaction (2007). Elizabeth A. Stanton and Frank Ackerman. Report commissioned by the Environmental Defense Fund.

“United States-Specific Human Development Index: Methodology and Data” (2007). Report commissioned by American Human Development Report Project, as a technical background paper to *The Measure of America: American Human Development Report 2008-2009*.

Climate Change – the Costs of Inaction (2006). Frank Ackerman and Elizabeth A. Stanton. Report to Friends of the Earth England, Wales and Northern Ireland.

Implications of REACH for the Developing Countries (2006). Contributor, as part of a four-country research team led by Frank Ackerman. Report to the European Parliament, Directorate-General for External Policies of the Union.