Names and department affiliations of faculty engaged in sustainability research at Columbia University:

Shih-Fu Chang -Earth and Environmental Engineering/SEAS general- Senior Researcher

Peter Schlosser, Associate Director and Director of Research, The Earth Institute  
Vinton Professor of Earth and Environmental Engineering in the Faculty of Engineering and Applied Science  
Professor, Department of Earth and Environmental Sciences

Scott Barrett, Lenfest-Earth Institute Professor of Natural Resource Economics, Department of International and Public Affairs

Robin Bell, Palisades Geophysical Institute Lamont Research Professor, Division of Marine Geology and Geophysics, Lamont-Doherty Earth Observatory

Wallace S. Broecker, Newberry Professor, Department of Earth and Environmental Sciences

Mark A. Cane, G. Unger Vetlesen Professor of Earth and Climate Sciences and Professor of Applied Physics and Applied Mathematics, Department of Earth and Environmental Sciences

Robert Chen, Director, Center for International Earth Science Information Network

Joel E. Cohen, Director, Laboratory of Populations  
Professor, Columbia University and The Rockefeller University

Steven A. Cohen, Executive Director, The Earth Institute  
Director, Master of Public Administration Program in Environmental Science and Policy, Columbia University, School of International and Public Affairs and Earth Institute  
Director, Concentration in Environmental Policy Studies, School of International and Public Affairs

Director, Master of Science, Sustainability Management

Peter Coleman, Associate Professor of Psychology and Education, Department of Social-Organizational Psychology, Teachers College

Patricia Culligan, Professor, Department of Civil Engineering and Engineering Mechanics

Richard J. Deckelbaum, Director, Institute of Human Nutrition  
Professor of Pediatrics and of Epidemiology, and Robert R. Williams Professor Nutrition, Columbia University Medical Center

Ruth DeFries, Denning Family Chair of Sustainable Development  
Professor, Department of Ecology, Evolution, and Environmental Biology

Peter B. deMenocal, Associate Professor, Department of Earth and Environmental Sciences

Alexander van Geen  
Lamont Research Professor, Division of Geochemistry, Lamont-Doherty Earth Observatory

Michael Gerrard, Andrew Sabin Professor of Professional Practice, Columbia Law School  
Director, Center for Climate Change Law, Columbia Law School

Steven L. Goldstein, Chair and Professor, Department of Earth and Environmental Sciences

Joseph Graziano, Professor, Department of Pharmacology  
Associate Dean of Research and Professor, Department of Environmental Health Sciences

Geoffrey M. Heal, Director, Center on Globalization and Sustainable Development   
Paul Garrett Professor of Public Policy and Business Responsibility, School of Business

Patrick L. Kinney, Associate Professor of Clinical Public Health, Department of Environmental Health Sciences

David H. Krantz, Professor, Department of Psychology  
Co-Director, Center for Research on Environmental Decisions

Yochanan Kushnir, Lamont Research Professor, Division of Oceans and Climate Physics, Lamont-Doherty Earth Observatory  
Director, Cooperative Institute for Climate Applications and Research

Klaus S. Lackner, Ewing-Worzel Professor of Geophysics, Department of Earth and Environmental Engineering  
Director, Lenfest Center for Sustainable Energy

Upmanu Lall, Alan and Carol Silberstein Professor of Engineering, Departments of Earth and Environmental Engineering, and Civil Engineering and Engineering Mechanics, Fu Foundation School of Engineering and Applied Science

Art Lerner-Lam, Interim Director; Associate Director - Seismology, Geology and Tectonophysics; and Lamont Research Professor; Lamont-Doherty Earth Observatory  
Adjunct Professor, Department of Earth and Environmental Science

Robert Lieberman, Associate Professor and Chair, Department of International and Public Affairs  
Associate Professor, Department of Political Science

Edward Lloyd, Evan M. Frankel Clinical Professor of Environmental Law, School of Law  
Director, Environmental Law Clinic, School of Law

Vijay Modi, Professor, Department of Mechanical Engineering

John C. Mutter, Professor, Department of Earth and Environmental Sciences

Shahid Naeem, Professor and Chair, Department of Ecology, Evolution, and Environmental Biology

Ben Orlove, Senior Research Scientist, International Research Institute for Climate and Society  
Professor of International and Public Affairs, School of International and Public Affairs  
Professor, Department of Anthropology  
Director, Master's Program in Climate and Society  
Co-Director, Center for Research on Environmental Decisions

Stephanie L. Pfirman, Hirschorn Professor and Chair, Department of Environmental Science, Barnard College

Richard Plunz, Professor, Graduate School of Architecture, Planning and Preservation  
Director, Urban Design Lab, The Earth Institute

Robert Pollack, Professor, Department of Biological Sciences, Columbia University  
Director, Center for the Study of Science and Religion, The Earth Institute

Kenneth Prewitt, Carnegie Professor of Public Affairs, School of International and Public Affairs

Jeffrey D. Sachs, Director, The Earth Institute  
Quetelet Professor of Sustainable Development and Professor of Health Policy and Management, The Earth Institute

Pedro Sanchez, Director, Tropical Agriculture and the Rural Environment Program  
Director, Millennium Villages Project

Elliott Sclar, Professor of Urban Planning, Graduate School of Architecture, Planning and Preservation  
Professor of International Affairs, School of International and Public Affairs  
Director, Center for Sustainable Urban Development, The Earth Institute

Richard Seager, Lamont Research Professor, Palisades Geophysical Institute/Lamont-Doherty Earth Observatory

Elke Weber, Jerome A. Chazen Professor of International Business, Columbia Business School  
Professor, Department of Psychology  
Co-Director, Center for Research on Environmental Decisions

Stephen E. Zebiak, Director General, International Research Institute for Climate and Society  
Senior Research Scientist, Lamont-Doherty Earth Observatory

Allen Zweben, Associate Dean for Research and Academic Affairs, School of Social Work  
Professor of Social Work

There are 30 Columbia-based research centers and programs of the Earth Institute that are home to over 850 scientists, students, postdoctoral fellows and staff working to advance understanding in engineering, biology, and earth, health, and social science. All of the complex interdisciplinary work of the Earth Institute is grounded in the hundreds of research projects based at these centers and in these programs.

Research Units of the Earth Institute

Center for Climate Systems Research (CCSR) Leonard Druyan

Center for Environmental Research and Conservation (CERC) Nancy Degnan and Shahid Naeem

Center for Global Health and Economic Development (CGHED) Joanna Rubinstein

Center for Hazards and Risk Research (CHRR) Art Lerner-Lam

Center for International Earth Science Information Network (CIESIN) Bob Chen

Center for National Health Development in Ethiopia (CNHDE) Awash Teklehaimanot

Center for Rivers and Estuaries Wade McGillis

Center for Sustainable Urban Development (CSUD) Elliott Sclar

Center for the Study of Science and Religion (CSSR) Robert Pollack

Center on Globalization and Sustainable Development (CGSD) Glenn Denning

Columbia Climate Center Peter Schlosser and Mary-Elena Carr

Columbia Water Center Upmanu Lall

Earth Engineering Center (EEC) Nickolas Themelis

International Research Institute for Climate and Society (IRI) Steve Zebiak

Lamont-Doherty Earth Observatory (LDEO) Sean Solomon

Lenfest Center for Sustainable Energy (LCSE) Klaus Lackner

Programs of the Earth Institute

Program Program Head(s)

Cross-Cutting Initiative (CCI) Peter Schlosser

Earth Clinic Peter Schlosser

Program on Science, Technology, and Global Development Richard Nelson

Program on Sustainable Mobility Lawrence D. Burns

Millennium Cities Initiative Susan M. Blaustein and Karl Sauvant

Millennium Villages Project Pedro Sanchez

Tropical Agriculture and Rural Environment Program Pedro Sanchez

M.A. in Climate and Society Mark Cane

M.P.A. in Development Practice Glenn Denning

M.P.A. in Environmental Science and Policy Steve Cohen

Ph.D. in Sustainable Development John Mutter

M.S. in Sustainability Management Steve Cohen

Undergraduate Special Concentration and Major in Sustainable Development Kevin Griffin

Joint Units of the Earth Institute

The following five units were established jointly by the Earth Institute and a second entity.

Center for Research on Environmental Decisions (CRED) Kenny Broad, David Krantz,

and Elke Weber

Cooperative Institute for Climate Applications and Research (CICAR) Yochanan Kushnir

Laboratory of Populations Joel Cohen

Urban Design Lab (UDL) Richard Plunz

Vale Columbia Center on Sustainable International Investment Karl Sauvant

Affiliates and Consortia

The Earth Institute is a member of or is closely affiliated with the following five entities that share the Earth Institute’s interest in research on the science behind complex interdisciplinary problems.

Advanced Consortium on Cooperation, Conflict, and Complexity Peter Coleman

Black Rock Forest Consortium William Schuster

Center for Climate Change Law (CCCL) Michael Gerrard

Connect to Learn Kara Nichols

NASA Goddard Institute for Space Studies (GISS) James Hansen

Cynthia Rosenzweig

|  |
| --- |
| **School/Departments with Faculty engaged in Sustainability Research** |
|  |
| ***B School-Decision, Risk, and Operations*** |
| ***B School-Finance*** |
| ***B School-Management*** |
| ***B School-Marketing*** |
| ***Biology/Biological Science*** |
| ***CE/Landscape Design*** |
| ***CE/Sustainability Management*** |
| ***Columbia College/American Studies*** |
| ***Columbia College/Anthropology*** |
| ***Columbia College/Architecture*** |
| ***Columbia College/Earth and Environmental Science*** |
| ***Columbia College/Economics*** |
| ***Columbia College/Political Science*** |
| ***Columbia College/Science, Technology, & Society*** |
| ***Columbia College/Sociology*** |
| ***Columbia College/Urban Studies*** |
| ***E3B/Environmental Biology*** |
| ***General Studies/Earth & Environmental Sciences*** |
| ***General Studies/Ethnic and Race Studies*** |
| ***General Studies/History*** |
| ***General Studies/Human Rights*** |
| ***GSAPP-Architecture*** |
| ***GSAPP-Planning*** |
| ***GSAS/Anthropology*** |
| ***GSAS/Climate & Society*** |
| ***GSAS/Earth & Environmental Sciences*** |
| ***GSAS/Economics*** |
| ***GSAS/Islamic Studies*** |
| ***GSAS/Political Science*** |
| ***GSAS/Religion*** |
| ***Henry Krumb School of Mines/EAEE*** |
| ***Institute for the Study of Human Rights/Human Rights Studies*** |
| ***Law*** |
| ***Mailman School of Public Health (MPH)/Biostatistics*** |
| ***MPH/Environmental Health Sciences*** |
| ***MPH/Epidemiology*** |
| ***MPH/Global Health*** |
| ***MPH/Health Policy & Management*** |
| ***MPH/Population & Family Health*** |
| ***MPH/Sociomedical Sciences*** |
| ***SEAS/Applied Physics and Mathematics*** |
| ***SEAS/Chemical Engineering*** |
| ***SEAS/Civil Engineering*** |
| ***SEAS/Mechanical Engineering*** |
| ***SIPA/Master of International Affairs*** |
| ***SIPA/MPA*** |
| ***SIPA/MPA Environmental Science & Policy*** |
| ***Sustainable Development*** |
| ***TC/Health & Behavior Studies/Nutrition*** |
| ***TC/International & Transcultural Studies*** |
| ***TC/Mathematics, Science & Technology*** |
| ***Teachers College(TC)/Arts & Humanities/Philosophy*** |
| ***Women's Studies*** |