

International Conference on Inequality and Sustainability

November 9–10, 2012
The Fletcher School, Tufts University



THE CENTER FOR
INTERNATIONAL
ENVIRONMENT &
RESOURCE POLICY



International Conference on Inequality and Sustainability

November 9–10, 2012 • The Fletcher School, Tufts University

AGENDA

Friday November 9

Friday's sessions will be in the Aidekman Arts Center (40 Talbot Ave.) and Granoff Music Center (20 Talbot Ave).

Morning **Plenary** Alumnae Lounge, Aidekman Arts Center

8:30–9:00	Registration and Continental Breakfast	
9:00–9:15	Welcome	W. Moomaw
9:15–9:30	Overview of the conference	E. Kemp-Benedict
9:30–10:30	Conference keynote address: <i>Inequality and Unsustainability: A Vicious Circle</i>	E. Neumayer
10:30–11:00	Coffee	
11:00–12:00	Track 2 Economic structures for sustainability Keynote address: <i>The Tragedy of the Commoners</i>	J. Boyce
12:00–1:00	Track 3 Equity, inequality, and the sustainability transition Keynote address: <i>Well-Being and Equity: A Virtuous Cycle?</i>	J. Harris

1:00–2:00 **Lunch**

Afternoon **Track 2, Economic Structures** Alumnae Lounge, Aidekman Arts Center

2:00–2:40	Sustainability in the Presence of Global Warming	H. Llavador, J.E. Roemer, J. Silvestre
2:40–3:20	Between planetary and social boundaries: reconceptualising economic development	K. Raworth
3:20–3:40	Coffee	
3:40–4:20	The Tragedy of Maldistribution: Climate, Sustainability, and Equity	E. Stanton
4:20–5:00	Analysis of the relationship between pollution, environmental taxation and the economic growth: A dynamic model based on the tax policy	Y. Tian
5:00–5:10	Wrap-up	E. Stanton

Afternoon **Track 3, Sustainability Transition** Granoff 155

2:00–2:40	How about Domestic Emission Inequities? The Case of India	M.V. Ramana, S. Chakravarty
2:40–3:20	Inequality, climate outcomes, and the discount rates of low-income countries	F. Ackerman
3:20–3:40	Coffee	
3:40–4:20	Examining Spatial Inequality in South Africa: Focus On Service Delivery	H. Magidimisha
4:20–5:00	The Mother of All Inequalities: Land Distribution in India	S. Chakravorty
5:00–5:40	The Political Economy of a Seventeen-Hundred Million-Liters-per-Day Soda Machine: The Water-Energy Nexus in Bangalore, India	V. Mehta et al. (Presented by D. Malghan)
5:40–5:50	Wrap-up	E. Kemp-Benedict

6-7:30pm **Evening Reception (Hors d'oeuvres and Cash Bar)**

7th Floor, Cabot Intercultural Center

Saturday November 10

Saturday's sessions will be at the Cabot Intercultural Center of the Fletcher School (170 Packard Ave.).

Morning **Plenary** Cabot ASEAN Auditorium

8:30–9:00	Networking Continental Breakfast	
9:00–9:10	Introduction to Day 2	E. Kemp-Benedict
9:10–10:10	Track 1 Notions of equity for sustainability Keynote address: Climate change changes everything: carbon scarcity, catastrophic externalities, and global redistribution	P. Baer

10:10–10:30 Coffee

Morning **Track 1, Notions of Equity** Cabot ASEAN Auditorium

10:30–11:10	The Distribution of Welfare from Environmental Sinks and Sources: A Conceptual Framework	R. Bouvier
11:10–11:50	Climate Debt: Allocating Costs for Two Different Externalities	A. Rafalowicz
11:50–12:30	A Minimal Energy and Emissions Threshold for Sustainable Development	N. Rao, P. Baer

Morning **Track 2, Economic Structures** Cabot 205

10:30–11:10	Political Economy of an Efficient Society	D. Malghan
11:10–11:50	Why are governments keen to set aside national parks? The politics and political economy of nature conservation	P. Kashwan

Morning **Track 3, Sustainability Transition** Cabot 206

10:30–11:10	Contesting Sustainability: Bicycles, Race and Place	A. Lubitow, T. Miller
11:10–11:50	Innovations in regional transportation equity analysis	A. Karner
11:50–12:30	Perceptions of injustice in rural areas of England based on social and environmental inequalities	A. de Bruin

12:30–1:30 Lunch

Afternoon **Track 1, Notions of Equity** Cabot ASEAN Auditorium

1:30–2:10	'Thirst for Justice': Conceptions of Equity and Sustainability at Burnt Church/Esgenoôpetitj NB Canada	S.J. King
2:10–2:50	Human Rights and Sustainable Development in the Water Sector: Reconciling Inter- and Intra-Generational Equity	S. Murthy

Saturday November 10 (continued)

Saturday's sessions will be at the Cabot Intercultural Center of the Fletcher School (170 Packard Ave.).

Afternoon **Track 3a, Sustainability Transition** Cabot 205

1:30–2:10	The development of the inequality hypothesis and extension to wider outcomes beyond health	E. Dawkins, E. Kemp-Benedict
2:10–2:50	Formal-Informal Relation: Duality / Complementarity? Or Conflict?	S. Chakrabarti

Afternoon **Track 3b, Sustainability Transition** Cabot 206

1:30–2:10	Market driven Depletion of Exhaustible Resources & Sustainable Development – the case of Rat-hole Coal Mining in Jainta Hills District, India	L. Mukhopadhyay
2:10–2:50	Linking group inequality to environmental sustainability. Insights from Bangladesh and Kenya	N. Matin

2:50–3:15 **Coffee**

Afternoon **Policy Discussion** Cabot ASEAN Auditorium

3:15–3:30	Introduction to the afternoon: policy messages	E. Kemp-Benedict
3:30–3:45	Lessons from Track 1	P. Baer
3:45–4:00	Lessons from Track 2	E. Stanton
4:00–4:15	Lessons from Track 3	E. Kemp-Benedict
4:15–5:15	Break-out discussion, one group on each question: <ol style="list-style-type: none">1. How strong is the evidence for a “vicious circle” linking inequality and unsustainable practices?2. In the context of a Green Economy, is social equity a precondition for environmental sustainability? And how can different conceptions of equity be reconciled?3. Is the equity discussion getting in the way of effective global environmental agreements, especially an agreement on climate? (Coffee is served during the discussions)	
5:15–6:00	15-minute presentation from each group	
6:00–6:15	Wrap up and thank you	E. Kemp-Benedict

SPEAKERS

Conference Keynote



Eric Neumayer is Professor of Environment and Development at the London School of Economics and Political Science (LSE). He is currently the Head of the Department of Geography & Environment at LSE. He studied economics, political science and development

studies in Germany and at the LSE. He has broad research interests, with main interests in environmental economics, international political economy and research methods. He has published widely in a range of journals across different social science disciplines and is the author of three books and co-editor of the Handbook of Sustainable Development (Edward Elgar, 2007).

Keynote: Notions of Equity for Sustainability



Paul Baer is an internationally recognized expert on issues of equity and climate change, with training in ecological economics, ethics, philosophy of science, risk analysis and simulation modeling. He joined the faculty of the School of Public Policy at the Georgia

Institute of Technology in August of 2009 and holds a PhD from the Energy and Resources Group at the University of California, Berkeley. Paul has been the Research Director for EcoEquity since 2000, when he co-founded the group with Tom Athanasiou, with whom he also co-authored the 2002 book *Dead Heat: Global Justice and Global Warming* (Seven Stories Press). Together with Tom and colleagues at the Stockholm Environment Institute, he is a co-author of the Greenhouse Development Rights framework, an influential equity-based proposal for sharing the costs of global climate policy. His work has been published in a number of interdisciplinary journals and several published anthologies, including *Fairness in Adaptation to Climate Change* (Adger et al., eds. MIT Press 2006), *Climate Change Science and Policy* (Schneider et al., eds, Island Press 2009) and *Climate Ethics: Essential Readings* (Gardiner et al., eds, Oxford University Press, 2010).

Keynote: Economic Structures for Sustainability



James K. Boyce is professor of economics at the University of Massachusetts, Amherst, and director of the environment program at the Political Economy Research Institute. His books include *Economics, the Environment, and Our Common Wealth* (forthcoming from

Edward Elgar, 2013); *Reclaiming Nature: Environmental Justice and Ecological Restoration* (co-edited with Sunita Narain and Elizabeth A. Stanton, Anthem Press, 2007); *Natural Assets: Democratizing Environmental Ownership* (co-edited with Barry Shelley, Island Press, 2003); and *The Political Economy of the Environment* (Edward Elgar, 2002). He is a founding member of the steering committee of the E3 Network: Economics for Equity and the Environment; a founder of Econ4: Economics for People, the Planet and the Future; and the 2011 recipient of the Fair Sharing of the Common Heritage Award.

Keynote: Equity, Inequality, and the Sustainability Transition



Jonathan M. Harris is Director of the Theory and Education Program at the Tufts University Global Development and Environment Institute. He is co-editor of *Twenty-First Century Macroeconomics: Responding to the Climate Challenge* (Edward Elgar, 2009);

author of *Environmental and Natural Resource Economics: A Contemporary Approach* (2nd ed., Cengage Publishing, 2006); co-author of *Macroeconomics in Context* co-author of *Environmental and Social Issues in Economics* (Encyclopedia of Earth <http://www.eoearth.org/>, 2006); co-editor of *New Thinking in Macroeconomics: Social, Institutional and Environmental Perspectives* (Edward Elgar 2003); and of the *Frontier Issues in Economic Thought* volumes *A Survey of Sustainable Development*, *A Survey of Ecological Economics* and *Human Well-Being and Economic Goals* (Island Press, 2001; 1995; 1997). He is also editor of *Rethinking Sustainability: Power, Knowledge, and Institutions* (University of Michigan Press, 2000). His current research focuses on the implications of large-scale environmental problems, especially global climate change, for macroeconomic theory and policy.

Welcome: Center for International Environment and Resource Policy, the Fletcher School



William Moomaw is a Professor of International Environmental Policy, Program Director of the Center for International Environment and Resource Policy at Fletcher, and serves on the Boards of several organizations that work on climate change, conservation,

and consensus building. He is a chemist turned policy scientist with a Ph.D. from MIT, whose research focuses on integrating science and technology into international agreements. His scholarly and policy research focuses on mitigation and adaptation to climate change, forestry, nitrogen pollution, and energy and water policy. He has been a lead author on five *Intergovernmental Panels on Climate Change* reports, most recently as a coordinating lead author of the newest report on the role of renewable energy in addressing climate change. He is also a co-author of reports on forest financing, *The Millennium Ecosystem Assessment*, and has prepared policy papers for the UN Framework Convention on Climate Change Secretariat. He is currently working on a book on forest diplomacy. He is the Director of Faculty of the International Programme in the Management of Sustainability held annually in The Netherlands, and served on the Integrated Nitrogen Committee of the U.S. Environmental Protection Agency Science Advisory Board.



Frank Ackerman is an environmental economist who has written widely on energy, climate change, and related issues. He is a Senior Economist at Synapse Energy Economics in Cambridge, MA. He is well known for his critiques of overly narrow cost-benefit analyses

of environmental protection, among other topics. He has directed studies and reports for clients ranging from Greenpeace to the European Parliament, including many state agencies, international organizations, and leading environmental groups. His newest book, *Climate Economics: The State of the Art* (co-written with Dr. Elizabeth A. Stanton), will be published by Routledge in 2013. His other recent projects include *The Economics of 350: The Benefits and Costs of Climate Stabilization* (E3 Network, 2009, with Elizabeth A. Stanton et al.), and *Poisoned for Pennies: The Economics of Toxics and Precaution* (Island Press, 2008). Ackerman is a founder and steering committee member of Economics for Equity and Environment (the E3 Network) and a member scholar of the Center for Progressive Reform in Washington, D.C. He is also a senior research fellow at the Global Development and Environment Institute of Tufts

University, where he led the Research and Policy Program until 2007. From 2007 through 2012 he was at the Stockholm Environment Institute's U.S. Center, also at Tufts University, where he directed the Climate Economics Group. Dr. Ackerman received his PhD in economics from Harvard University. He has written, co-written, or contributed chapters to more than a dozen books since 1997; these and other publications are described more fully at <http://frankackerman.com>.



Rachel Bouvier is Associate Professor of Economics at the University of Southern Maine in Portland. Her current research interests include the roles of natural resources and environmental quality in our economy, specifically their links with inequality. Rachel

teaches two upper-level undergraduate courses on Environmental Economics and Natural Resource Economics, and enjoys fostering understanding and cooperation between budding environmentalists and economists. In her spare time, Rachel enjoys hiking, listening to the Red Sox on the radio, and exploring the wilds of the suburban environment with her husband and three-year-old daughter.



Saumya Chakrabarti has been teaching different branches of economics for more than a decade. He has been involved in research on development economics and macroeconomics of developing countries, with focus on the agriculture-industry linkage,

rural-urban informal sectors, rural employment in general and formal-informal relations. He obtained his MPhil and PhD from Calcutta University, India. He has published in *Economic and Political Weekly*, *American Review of Political Economy*, *Review of Radical Political Economics*, *Journal of Economic Development* etc and supervised several MA and MPhil dissertations. He is currently working on some of these issues for BIARI-Brown University USA, CJE, RRPE etc. and also supervising MPhil and PhD dissertations.



Sanjoy Chakravorty is Professor of Geography and Urban Studies at Temple University and Fellow at the Center for the Advanced Study of India at the University of Pennsylvania.

Professor Chakravorty works on two broad themes: development issues in India and inequality theory. He published in the short form for many years—in geography, economics, development, and urban journals. Recently he has focused on books, including *Fragments of Inequality*, which

analyzes structure and change in income distributions, and *Made in India*, which is a study of the economic geography of Indian industry. His most recent work is *The Price of Land: Acquisition, Conflict, Consequence*, forthcoming from Oxford in Fall, 2012. He has begun work on a new book, tentatively titled *The Truth About Us: Categories, Counts, and Delusions*.



Elena Dawkins is a Research Associate at SEI York. Her work is concerned with issues related to Sustainable Consumption and Production (SCP). Elena has written numerous policy reports on SCP issues for a wide range of audiences including several

Government Departments, the Welsh Assembly, the European Environment Agency and regional development agencies. Elena also works on a number of tools for analysing different SCP scenarios and policy options. She provides training for local authorities and government agencies in the consumption approach and use of these tools. In November 2011, Elena was asked to give evidence at the first session of the UK Parliament's House of Commons Energy and Climate Change Committee on consumption-based emissions accounting. She is also on the advisory board and steering group for the PAS2070 Specification for the assessment of consumption-based greenhouse gas emissions in cities.



Annemarieke de Bruin has an MSc in Tropical Land Use, specialized in erosion, soil and water conservation and an MSc in GIS, both from Wageningen University, the Netherlands. She joined the Stockholm Environment Institute – York centre from the Department

of Social Policy and Social Work at the University of York where she worked on the project 'Social and environmental inequalities in rural areas of England,' doing GIS analysis and organizing and running focus groups on perceptions of injustice. She has since worked on the IWMI project Agriculture Water Management Solutions in Tanzania, Burkina Faso and India, undertaking baseline assessments and scenario analyses using Participatory GIS techniques. Currently she works on a CPWF project in the Volta and Limpopo Basins looking at the out-scaling of successful AgWater interventions and leads the development and implementation of SEI's Planning, Monitoring, Evaluation and Communication (PMEC) system.



Alex Karner recently completed his PhD in the Department of Civil and Environmental Engineering at UC Davis and is currently working as a postdoctoral researcher in the Center for Regional Change, also at UC Davis. He holds a BAsC in civil engineering from the University of Toronto. Alex's research interests include travel

demand modeling, environmental justice in transportation planning, and transportation history.



Prakash Kashwan is Assistant Professor of Political Science at the University of Connecticut, and specializes in Comparative Environmental Policy and Politics. He received his Ph.D. in Public Policy from Indiana University, Bloomington and his B.S. from Indian

Institute of Forest Management, Bhopal. He combines theories of institutional analysis, political economy, and power while employing a combination of statistical and qualitative research methods. Prakash Kashwan's research and teaching builds on his long-standing engagement with the questions of resource rights and the conflicts over natural resource management in South Asia. He is currently working on a book manuscript dealing with the politics of forest land rights in India and its broader implications for our understanding of how the nature and depth of democratic institutions mediates the potential tradeoff between nature conservation and social justice.



Eric Kemp-Benedict, Track 3 Director, is a Senior Scientist at the Stockholm Environment Institute and SEI's theme leader for Rethinking Development. His research focuses on cross-disciplinary policy analysis for sustainable development strategies.

He has contributed to studies on diverse topics of relevance to sustainability at national, regional, and global levels. In addition to developing methods and tools for sustainability analysis, he is interested in making the analytical tools of policy analysis accessible within collaborative, stakeholder-driven approaches to policy development. He has been involved in capacity building activities in Africa and Asia. Dr. Kemp-Benedict's work has been supported by international organizations, government agencies, and non-governmental organizations. Eric received his Ph.D. in Theoretical Physics from Boston University in 1997 and his MAT for secondary physics education from Tufts University in 2003.



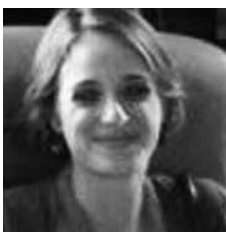
Sarah King is interested in the political, cultural and religious dimensions of human relationships to environment, and their importance in building sustainability. Her research examines place and sense of place in indigenous and settler North America, in urban and rural

contexts, and among children and newcomer communities. She is Assistant Professor of Sustainability Studies in the Liberal Studies Department at Grand Valley State University. Before coming to GVSU, she held a post-doctoral fellowship at the School of Environmental Studies, Queen's University, and was Assistant Professor, Religion and Culture, at Wilfrid Laurier University. She holds Ph.D. (2008) from the University of Toronto's Centre for the Study of Religion, where she was also a member of the Collaborative Program in Environmental Studies.



Humberto Llavador is an associate professor of the Department of Economics at Universitat Pompeu Fabra and an affiliate professor of the Barcelona Graduate School of Economics (BarcelonaGSE). He holds a PhD in Economics from the University of

California–Davis, and has been a visiting professor of the departments of Economics and Political Science at Yale University, as well as a member of the Institute for Advanced Studies at Princeton. He has worked on issues of political competition, welfare, justice and climate change. He has publications in *The Quarterly Journal of Economics*, *the Journal of Public Economics*, and *Social Choice and Welfare*, among others, and has worked as a consultant for the United Nations Development Program. His latest research focuses on sustainability and the intra and inter generational distributive issues of climate change.



Amy Lubitow is an Assistant Professor of Sociology at Portland State University in Portland, Oregon. She teaches courses and conducts research on social movements and environmental regulations, policies, and practices. Her research has explored activism

surrounding the environmental causes of breast cancer, the mobilization of activists and scientists in the US regarding the regulation of the chemical Bisphenol-A (BPA). She is currently exploring the spaces in which notions of sustainability may be contested by individuals, organizations, or communities.



Hope Hangwelani Magidimisha is a town planner who holds a Master's Degree in Regional and Urban Planning from the University of KwaZulu-Natal (UKZN). Her first degree is in Geography and Environment, also from UKZN. Her passion for the

built environment saw her obtaining qualification in Project Management. She is currently pursuing her PhD in Town and Regional Planning with UKZN focusing on spatial inequalities. Currently she is employed as a Researcher by the Human Science Research Council in South Africa. She has worked on both national and international research. She has worked on national surveys such as Gauteng Territorial review with the main focus on environmental factors, National Research and Experimental Development (R&D) survey, National Knowledge Economy indicators survey, National Innovation survey, Free State Growth Development Strategies and many more. At present, Ms. Magidimisha is working on a collaboration between researchers from the Centre for the Analysis of South African Social Policy (CASASP) at the University of Oxford and Human Sciences Research Council (HSRC).



Deepak Malghan is an ecological economist with primary interest in theoretical models of the economy-ecosystem interaction problem. He is currently working on a multi-year project that aims to reformulate ecological economics from a "scale" perspective. Scale

measures the physical size of the economy relative to the ecosystem that contains and sustains it. His empirical research interests include social metabolism and ecological distribution. Dr. Malghan's research is highly interdisciplinary and routinely uses technical tools from economics, chemical engineering, and ecology. Deepak is an assistant professor at the Indian Institute of Management Bangalore. He holds a Ph.D. in ecological economics from the University of Maryland and an MPA from Princeton University.



Nilufar Matin is a Research Fellow at SEI with her work focusing on poverty elimination, natural resource management and sustainable development with strong emphasis on gender mainstreaming and stakeholder participation. She has extensive work

experience in multi-disciplinary research, policy development, project formulation and appraisal. Currently Nilufar Matin is working on a project on adaptive water management under uncertainty particularly in developing approaches that integrate poverty alleviation, gender awareness and health planning for integrated water resources

management in river basins. She is also engaged in studying impacts of climate change and biodiversity projects on local livelihoods. Before joining SEI, she has worked with a wide range of organizations, governments, donor agencies, research institutions and NGOs.



Vishal Mehta is a hydrologist and environmental modeler with eight years of experience in water resources, forest conservation and micro-hydropower for rural development. With SEI's Water and Sanitation Group in Davis, Vishal is working on the impacts of

climate change on California's water supply. His expertise includes forest ecosystem sciences, distributed hydrological modeling, and the use of several open-source and commercial geographic information systems. His recent work includes modeling of a 100-year monthly dataset of reference evapotranspiration for all of India; studying the impacts of land-use change on water resources and forest ecosystems; and modeling stream flow and runoff source areas in headwaters of the New York City watersheds. Vishal received his Ph.D. in Soil, Crop and Atmospheric Sciences from Cornell University, Ithaca in 2007.



Lehka Mukhopadhyay recently joined SEI's Davis office in September as part of a four-month Fulbright Fellowship under the Fulbright-Nehru Environmental Leadership Program. She will be pursuing research on the impacts of mining activities on other

livelihood-generating activities, as translated through changes in water supply and water quality. Dr. Mukhopadhyay is an associate professor of economics in the Jogamaya Devi College at the University of Calcutta; she specializes in microeconomics. She has a Ph.D. in economics from the University of Calcutta and was a World Bank post-doctoral fellow (2001–02) at the University of California-Riverside. Since 2005, she has been a research associate with the South Asian Network for Development of Environmental Economics (SANDEE).



Sharmila Murthy is a joint Research Fellow in the Sustainability Science Program and the Human Rights to Water and Sanitation Program at the Carr Center for Human Rights Policy. Her research focuses on the intersection of human rights, poverty, and the

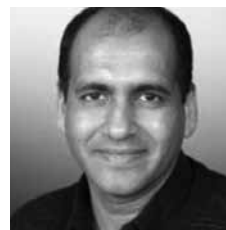
environment. Sharmila's work explores the theoretical relationship between human rights doctrine and sustainable development theory. She practiced law with a focus on economic, social and cultural rights, first as a Skadden

Fellow with the Legal Aid Society of Middle Tennessee and the Cumberland, and then as an associate at Lieff Cabraser Heimann and Bernstein, LLP. She clerked on the U.S. Court of Appeals. She also worked for an environmental consulting firm and in India in public health and in microfinance. She was a Fulbright Scholar in India (1998). Sharmila received her JD from Harvard Law School (2003), her Master in Public Administration from Harvard Kennedy School (2003), and Bachelor of Science in Natural Resources from Cornell University (1997). She is a recipient of the New Advocate of the Year award by the Tennessee Alliance of Legal Services (2006), and has served in leadership roles with numerous civic and non-profit organizations. She was a Fellow in the Impact Center's Women's Leadership Program (2011) and is currently a member of the Emerging Leaders in Environmental and Energy Policy Network, which is a joint project of the Atlantic Council and the Ecologic Institute.



Alex Rafalowicz is a law fellow at the Institute for Governance and Sustainable Development following international climate change policy, particularly under the United Nations Framework Convention on Climate Change (UNFCCC). He is an associate professor at Universidad de La Sabana, in Bogotá, Colombia, where he teaches

International Environmental Law and Development. He has a background in Australian (climate) politics, helping to found the Australian Youth Climate Coalition, working for several government members of parliament from 2007–2009 and working for Australia's largest campaign organisation "GetUp" in 2010. Alex received a first-class honours degree in law from the Australian National University, with a thesis on the "principle of common but differentiated responsibility" and the international climate change regime. Through the European Master in Law and Economics programme he has an LLM magna-cum-laude from the University of Gent and an M.Sc (Law and Economics) from the Indira Ghandi Institute for Development Research, where he was supported by an Erasmus Mundus grant from the European Union.



M.V. Ramana obtained his Ph.D. in Physics from Boston University in 1994 and was a post-doctoral fellow at the Department of Physics, University of Toronto and the Center for International Studies, Massachusetts Institute of Technology. He came to Princeton in 1998.

Between 2004 and 2009, he was at the Centre for Interdisciplinary Studies in Environment and Development in Bangalore, India. He is currently appointed jointly with SGS and the Nuclear Futures Laboratory and works on the future of nuclear energy in the context of climate change

and nuclear disarmament. Ramana is completing a book on nuclear power in India. He is a member of the Science and Security Board of the Bulletin of the Atomic Scientists and the International Panel on Fissile Materials.



Narasimha D. Rao is a post-doc in the Energy Program at the International Institute for Applied Systems Analysis (IIASA), in Vienna, Austria. He completed his PhD in August 2011 at Stanford University, in the Emmett Interdisciplinary Program on Environment

and Resources (E-IPER). Before Stanford, he completed his Master's degrees in Electrical Engineering and Technology Policy from MIT, and had ten years of policy consulting, research and teaching experience.



Kate Raworth is a Senior Researcher at Oxfam, and a part-time lecturer in development economics at Oxford University's Environmental Change Institute. Her current research focuses on rethinking global economic development in the face of planetary boundaries and extreme global inequalities.

Prior to joining Oxfam she spent four years as a co-author of UNDP's Human Development Report. From 1994–97 she was a Fellow of the Overseas Development Institute, working as an economist in the Ministry of Trade and Industry of Zanzibar. She holds a BA in Politics, Philosophy and Economics, and a MSc in Economics for Development from the University of Oxford.



Elizabeth A. Stanton, Track 2 Director, is a Senior Associate at Synapse Energy Economics, Inc. She has a special interest and expertise in environmental policy and in economic inequality, and has focused much of her work on the interplay between climate protection and development.

She has co-authored dozens of reports on topics including the cost of inaction on climate change; the economics of emissions-reduction targets; and the balance of science, policy, and equity in global climate protection. Prior to joining Synapse in 2012, Dr. Stanton was a senior economist with the Stockholm Environment Institute's Climate Economics Group, where she was responsible for leading the organization's work on the Consumption-Based Emissions Inventory (CBEI) model and on water issues and climate change in the western U.S. Dr. Stanton has led domestic and international studies commissioned by the United Nations Development Programme, Friends of the Earth-U.K., and Environmental Defense. She currently serves on the Climate Taskforce of

Economics for Equity and Environment (the E3 Network). Dr. Stanton is a research fellow at the Global Development and Environment Institute (GDAE) of Tufts University, and previously served at the University of Massachusetts–Amherst (UMass Amherst) as an editor and researcher for the Political Economy Research Institute and as program director of the Center for Popular Economics. She earned her Ph.D. in economics at UMass Amherst and has taught economics at Tufts University, UMass Amherst, and the College of New Rochelle, among others.



Yuan Tian is currently a PhD student in economics at Boston University. She works as a teaching fellow on economic statistics. She is interested in environmental and development economics. She worked as a data analyst of the Chinese "Going Global" Development Report Project for China Council for the Promotion of International Trade in 2010.

She was invited to 2nd International Conference of Conflict Management, Peace Economics & Peace Science presenting her paper Peace as a Public Good—A Microeconomic Approach on Peace Economics in the winter of 2010. Yuan has specialized in development economics and econometrics, mostly focusing on using economic theory and quantitative tools analyzing environmental issues. Born and raised in China, she is fluent in Chinese and English. Yuan earned a B.A. in mathematical economics and finance from Central University of Finance and Economics in 2011 and an M.S. in political economics from Boston University's Graduate School of Arts and Science in 2012.

ABOUT THE CONVENERS

The Stockholm Environment Institute is a nonprofit international research institute focused on sustainable development and environmental issues. Its mission is to support decision-making and promote positive change by helping to bridge science and policy. SEI's U.S. Center, one of seven worldwide, is an independent research affiliate of Tufts University, in Somerville, Mass. www.sei-international.org

The Center for International Environment and Resource Policy brings together faculty and students from diverse backgrounds to study environment and resource issues and how they affect relationships among nations. Along with teaching, CIERP conducts in-depth research on today's environmental and resource challenges and applied policy development in collaboration with government agencies, the private sector, and international NGOs. fletcher.tufts.edu/CIERP



What **You Can Recycle** at Tufts:



mixed **Paper & Cardboard**

Please flatten cardboard and place neatly near a paper recycling bin. Empty paper coffee cups can be recycled.



Glass, Metal & Plastic

You can recycle more than just bottles and cans! Please rinse any slightly dirty containers.



Batteries, Ink Cartridges, Cell Phones & iPods

Please tape the ends of your used battery to reduce the risk of an accidental fire.



Tufts Composting Program

composts both food and yard waste, thanks to the cooperation and coordination of Tufts Dining Services, Tufts Facilities Department, Save that Stuff, Inc. and Herb's Disposal. The composting program has allowed Tufts Dining Services to reduce its yearly solid food and non-food waste sent to the dump site by 62%. Most of the flatware used during the conference is compostable; please dispose of food waste and the compostable flatware in the compost bins.

The conference is catered by Tufts Catering and we have ordered Fair Trade coffee and organic, local, and sustainable options where available.



**TUFTS UNIVERSITY
MEDFORD/SOMERVILLE CAMPUS**

University Buildings

- | | | |
|--|---|--|
| 1 Aidekman Arts Center H9 | 27 Curtis Hall H5 | 43 Latin Way Apartments G10 |
| 2 Alumnae Hall H9 | 28 Dewick-MacPhie Dining Hall F9 | 44 Lewis Hall E10 |
| 3 Anderson Hall H6 | 29 Dowling Hall F4 | 45 Lincoln Filene Center G5 |
| 4 Balch Arena Theater H9 | 30 East Hall F5 | 46 Miller Hall D5 |
| 5 Ballou Hall E6 | 31 Eaton Hall & Computer Lab G6 | 47 Miner Hall H6 |
| 6 Barnum Hall E6 | 32 Eliot-Pearson H1 | 48 Mugar Hall C7 |
| 7 Bendetson Hall E5 | 33 Fine Arts House (11 Talbot Avenue) H8 | 49 Olin Center for Language and Cultural Studies D6 |
| 8 Bookstore F8 | 34 Gantcher Center H2 | 50 Paige Hall H6 |
| 9 Boston School of Occupational Therapy (BSOT) B4 | 35 Goddard Chapel F6 | 51 Pearson Chemical Lab F9 |
| 10 Braker Hall G5 | 36 Granoff Family Hillel Center D5 | 52 Performance Hanger G9 |
| 11 Bromfield-Pearson J7 | 37 Granoff Music Center H9 | 53 Psychology Building J6 |
| 12 Bush Hall F10 | 38 Halligan Hall H4 | 54 Sophia Gordon Hall H7 |
| 13 Cabot Center (The Fletcher School) D6 | 39 Haskell Hall F10 | 55 South Hall G10 |
| 14 Campus Center F9 | 40 Health Services C8 | 56 Robinson Hall H7 |
| 15 Carmichael Hall C5 | 41 Hill Hall E4 | 57 Science & Technology Center M7 |
| 16 Chase Center, Carmichael Hall C6 | 42 Hillside Apartments E4 | 58 Tilton Hall E10 |
| 17 Cohen Auditorium H9 | 43 Hodgdon Hall E9 | 59 Tisch Library G7 |
| 18 Community Health (112 Packard Avenue) E9 | 44 Houston Hall C6 | 60 Urban & Environmental Planning (97 Talbot Avenue) E9 |
| 19 Conference Bureau Office (108 Packard Avenue) E9 | 45 International Center D9 | 61 West Hall E5 |
| 20 Summer Session Office (108 Packard Avenue) D9 | 46 Jackson Gym G9 | |
| 21 Cousens Gym H3 | 47 Lane Hall E4 | |

(P) Public Parking