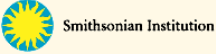
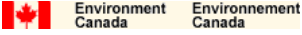




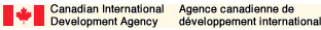





Draft Program as of January 3, 2008
International Science Symposium CLIMATE CHANGE AND BIODIVERSITY
25 to 29 February 2008 Panama City, Panama

MONDAY February 25, 2008	TUESDAY February 26, 2008	WEDNESDAY February 27, 2008	THURSDAY February 28, 2008	FRIDAY February 29, 2008
<p>SPONSORS</p>          	<p>PLENARY SESSION 2 A Word From Our Sponsoring Agencies Chair: Adam Fenech, Environment Canada</p> <p>0930 to 0950 <i>Integrating biodiversity conservation into energy development</i> Francisco Dallmeier, Smithsonian Institution, USA</p> <p>0950 to 1010 <i>Environment = Management x Climate²</i> Don MacIver, Environment Canada</p> <p>1010 to 1030 <i>Biodiversity, global change and development – a dialogue?</i> Holm Thiessen, InterAmerican Institute for Global Change Research, Brazil</p> <p>1030 to 1050 <i>Perspectives on climate change from the convention on biological diversity</i> Ahmed Djoghlaif, Convention on Biological Diversity, Canada</p> <p>1050 to 1110 Break</p> <p>1110 to 1130 <i>Climate change impacts on forest biodiversity</i> Buruhani Nyenzi, World Meteorological Organization, Switzerland</p> <p>1130 to 1150 <i>Climate change and biodiversity challenges at UNESCO Biosphere Reserves</i> Natarajan Ishwaran, United Nations' Education, Science and Cultural Organization, France</p> <p>1150 to 1210 <i>Climate change and biodiversity in the Caribbean</i> Kenrick Leslie, Caribbean Community Climate Change Centre, Belize</p> <p>1210 to 1230 <i>Center for Tropical Forest Science (CTFS) / Smithsonian Institution Global Earth Observatories (SIGEO)</i> Jefferson Hall and Stuart Davies, Smithsonian Tropical Research Institute, Panama</p>	<p style="text-align: center;">RESEARCH/STUDY TOURS</p> <ol style="list-style-type: none"> 1. Barro Colorado 2. Canopy Crane 3. Gamboa and Pipeline Road 4. Miraflores Locks 	<p>PLENARY SESSION 4 Impacts of Climate Change on Biodiversity Chair: Ahmed Djoghlaif, Convention on Biological Diversity</p> <p>0830 to 0850 <i>Long-term changes in Amazon floristics and forest dynamics: Effects of global change?</i> William Laurance, Smithsonian Tropical Research Institute, Panama</p> <p>0850 to 0910 <i>Changes on ecosystem growth due to climate change in tropical dry forests in the Americas</i> Arturo Sanchez-Azofeifa, University of Alberta, Canada</p> <p>0910 to 0930 <i>Climate and global change will induce the development of new forests</i> Ariel Lugo, International Institute of Tropical Forestry, Puerto Rico</p> <p>0930 to 0950 <i>Biodiversity not as a victim: atmosphere control in Amazonia</i> Antonio Nobre, INPA, Brazil</p> <p>0950 to 1010 <i>Long term leafing changes in Amazon forest trees and climate change</i> Patricia Morellato, UNESP, Brazil</p> <p>1010 to 1030 Break</p> <p>1030 to 1050 <i>Rapid change in Amazonian forest dynamics: effects of climate change?</i> Susan Laurance, Smithsonian Tropical Research Institute, Panama</p> <p>1050 to 1110 <i>The vulnerability of tropical species to global warming</i> Joseph Wright, Smithsonian Tropical Research Institute, Panama</p> <p>1110 to 1130 <i>Global Infectious Diseases, Climate, Oceans, and Human Health: The Cholera Paradigm</i> Rita Colwell, University of Maryland, USA</p> <p>1130 to 1150 <i>The effects of functional biodiversity on ecosystem processes, ecosystem services and sustainability: an interdisciplinary approach</i> Natalia Pérez-Harguindeguy, Universidad Nacional de Córdoba, Argentina</p> <p>1150 to 1210 <i>Biennial review of climate change impacts in the scientific literature</i> Adam Fenech, Environment Canada</p> <p>1210 to 1230 <i>Influence of niche properties on distance for habitat tracking in response to future climate change by highland grasses endemic to Mesoamerica</i> Iván Jiménez, Missouri Botanical Garden, USA</p>	<p>PLENARY SESSION 6 Adaptation Strategies and Solutions Chair: Kenrick Leslie, Caribbean Community Climate Change Centre</p> <p>0830 to 0850 <i>Energy and biodiversity initiatives</i> Stephen de Bie, Wageningen University, The Netherlands</p> <p>0850 to 0910 <i>Environmental prediction, biodiversity and the changing climate</i> Heather Auld, Environment Canada</p> <p>0910 to 0930 <i>Adapting management strategies under changing climate scenarios</i> Robert Szaro, US Geological Survey</p> <p>0930 to 0950 <i>Climate change and adaptive resource management in the Southwest Nova Biosphere Reserve</i> Cliff Drysdale, Mersey Tobeatic Research Institution, Nova Scotia, Canada</p> <p>0950 to 1010 <i>Biomass and carbon accumulation in secondary forests and forestry plantations as restoration tools in the Caribbean zone of Costa Rica</i> Frederico Alice, Costa Rica</p> <p>1010 to 1030 <i>Climate change, biodiversity conservation, economic growth and their policy responses in Bolivia under the current political context: What scope for synergies and interactions?</i> Bernardo Peredov, Oxford University Centre for the Environment (Bolivia)</p> <p>1030 to 1050 <i>The status and rate of adaptation policymaking for biodiversity conservation</i> Kelly Levin, USA</p> <p>1050 to 1110 Break</p> <p>PANEL SESSION Chair: Don MacIver</p> <p>1110 to 1210 <i>Building A Network On Climate Change And Biodiversity In The Americas</i> Panel members: Corell, Dallmeier, Djoghlaif, Fenech, Ishwaran, Leslie, Nyenzi, Thiessen</p> <p><i>Symposium Declaration</i> Presented by Francisco Dallmeier</p>
LUNCH AND POSTER SESSIONS (1230 to 1400)				

<p>OPENING PLENARY</p> <p>Welcoming Addresses Chair: Don MacIver, Environment Canada</p> <p>1400 to 1430 Eldredge Bermingham, Acting Director, STRI</p> <p>1430 to 1500 Jose Herran-Lima, Canadian Ambassador to Panama</p> <p>1500 to 1530 Dani Kuzniecky, Minister for Canal Affairs, Panama</p> <p>1530 to 1600 Break</p> <p>Distinguished Address Chair: Francisco Dallmeier, Smithsonian Institution</p> <p>1600 1730 <i>Climate Change and Biodiversity</i> Thomas Lovejoy, President, John Heinz Center for Science, Economics and the Environment, USA</p>	<p>PLENARY SESSION 3 Current Status of Monitoring and Future Modelling of Climate and Biodiversity Chair: Holm Tiessen, InterAmerican Institute for Global Change Research</p> <p>1400 to 1420 <i>Biodiversity at high elevation areas throughout the Americas</i> Fred Roots, Canada MAB Programme</p> <p>1420 to 1440 <i>Changing climate and hydrologic variability in the Cordillera of the Americas</i> Brian Luckman, University of Western Ontario, Canada</p> <p>1440 to 1500 <i>A New Smithsonian Initiative on Carbon Dynamics and Impacts of Global Change in Tropical and Temperate Forests</i> Helene Muller-Landau, Smithsonian Tropical Research Institute, Panama</p> <p>1500 to 1520 <i>Modelling future climates: From GCMs to statistical downscaling approaches</i> Bill Gough, University of Toronto at Scarborough, Canada</p> <p>1520 to 1540 <i>Neutral-plus Models as a tool for exploring impacts of climate change on tropical forests</i> Rick Condit, Smithsonian Tropical Research Institute, Panama</p> <p>1540 to 1600 <i>Climate change and biodiversity in St. Vincent and the Grenadines</i> Ruth Knights, SVG Ministry of Agriculture, Forestry and Fisheries</p> <p>1600 to 1630 Break</p> <p>1630 to 1650 <i>Monitoring forest biodiversity throughout the Americas: The SI/MAB Approach</i> Alfonso Alonso, Smithsonian Institution, USA</p> <p>1650 to 1710 <i>Priorities and pitfalls for assessing the responses of tropical forests to global climatic and atmospheric change: lessons from research to date</i> Deborah Clark, University of Missouri-St. Louis, USA</p> <p>1710 to 1730 <i>Impacts of climate extremes on biodiversity in the Americas</i> Marianne Karsh, Environment Canada</p> <p>1730 to 1750 <i>Climate scenarios for the Caribbean, limitations and needs</i> Anthony Chen, University of the West Indies, Jamaica</p> <p>1750 to 1810 The Climate Change Scenarios Network Neil Comer, Environment Canada</p> <p>1810 to 1830 <i>TEAM: A global framework for monitoring, understanding and conserving biodiversity in a changing world</i> Sandy J. Andelman, USA, Conservation International</p>		<p>PLENARY SESSION 5 Impacts of Climate Change on Biodiversity Chair: Buruhani Nyenzi, World Meteorological Organization</p> <p>1400 to 1420 <i>Climate Change Impacts on Coastal Biodiversity</i> Virginia Burkett, US Geological Society</p> <p>1420 to 1440 <i>Biodiversity consequences of long-term snow climate change</i> Michael E. Loik, University of California, USA</p> <p>1440 to 1500 <i>Increase in the dominance of galls across the Americas as a result of climate change.</i> Geraldo Wilson Fernandes, Universidade Federale de Minas Gerais, Brazil</p> <p>1500 to 1520 <i>Bridging the gap: Neotropical endangered species and climate changes</i> Denise Rambaldi, Associação Mico-Leão-Dourado, Brazil</p> <p>1520 to 1540 <i>Tropospheric ozone and climatic changes: Effects on the main agronomic species</i> Jesus Ramirez, Instituto de Meteorología de Cuba</p> <p>1540 to 1600 <i>Avian response to climate change in British Columbia, Canada – towards a general model</i> Fred Bunnell, University of British Columbia, Canada</p> <p>1600 to 1630 Break</p> <p>1630 to 1650 <i>A Mata Atlântica e o aquecimento global</i> Monika Naumann, Consultant, Brazil</p> <p>1650 to 1710 <i>Phenological changes of Ceiba aesculifolia in a deciduous tropical forest as a bio-indicator of climatic change</i> Oscar Rubio, Universidad Autónoma de Querétaro, Mexico</p> <p>1710 to 1730 <i>Modelación espacial del efecto del cambio climático sobre la distribución de Quercus emoryi Torr. en México</i> María de Jesús Torres Meza, Instituto Nacional de Investigaciones Forestales, Agrícolas y Pecuarias, Mexico</p> <p>1730 to 1750 <i>Monitoring avian populations in Puerto Rico, a Caribbean biodiversity hotspot threatened by climate change effects</i> Adrienne Tossas, Puerto Rico</p> <p>1750 to 1810 <i>Regional bird monitoring as a tool for predicting the effects of climate change on biodiversity</i> Maria Zaccagnini, Instituto Nacional de Tecnología Agropecuaria, Argentina</p> <p>1810 to 1830 <i>Renewable natural resources and climate change</i> Raquel Soto, INRENA, Peru</p>	<p>TRAINING SESSIONS</p> <p>Establishing SI/MAB Biodiversity Monitoring Plots February 29 (afternoon) to March 2, 2008</p> <p>Models of Future Climate Changes March 3 to 4, 2008</p>
<p>1730 to 2000 Evening Reception STRI Facility</p>			<p>1900 to 2200 Evening Reception Miraflores Locks</p>	