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## 5<sup>th</sup> Urban Research Symposium

### Cities and Climate Change: Responding to an Urgent Agenda

June 28 - 30, 2009  
Palais du Pharo  
Marseille, France

### Program

(Does not include the side events on June 27<sup>th</sup> and July 1<sup>st</sup> .  
For information on these events, please go to [www.urs2009.net](http://www.urs2009.net) )



**Sunday, June 28, 2009**

1:00 – 2:30 PM Registration

**PART I — PLENARY**

2:30 – 3:15 PM **Welcome and Opening**

AUDITORIUM

- Katherine Sierra, World Bank Vice-President and Head of the Sustainable Development Network (tbc)
- Jean-Louis Borloo (French *Ministre d'Etat* and Minister of Ecology, Energy, Sustainable Development and Town and Country Planning) (tbc)
- Jean-Claude Gaudin, Mayor of Marseille (tbc)
- Jean-Michel Severino, Director General, French Agency for Development (tbc)
- Monique Barbut, Chief Executive, Global Environment Facility
- ....., Director General, French Environment and Energy Management Agency (tbc)

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3:15 – 3:45 PM **Keynote Address**

AUDITORIUM

Dr. Rajendra Pachauri, Chair and Recipient of the Nobel Peace Prize for the Intergovernmental Panel on Climate Change, Director General of The Energy and Resources Institute, New Delhi  
James Warren Evans, World Bank, Sector Director, Environment

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3:45 – 5:15 PM **Science, Indicators and Impacts of Climate Change: How Cities Impact, and are Impacted by, Climate Change**

AUDITORIUM

Chair: Marianne Fay, World Bank, Director World Development Report 2010 (Climate Change) (tbc)

Presenters:

- *Creating Risk-Based Climate Change Information for Urban Areas*; Cynthia Rosenzweig, NASA-Goddard Institute for Space Studies
- *City Indicators on Climate Change: Implications for Policy Leverage and Governance*; Patricia McCarney, University of Toronto

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5:15 – 5:30 PM **Coffee Break**

## PART II — BREAKOUTS

5:30 – 7:00 PM SESSION 1

Room A

**The Economics of Climate Change and Cities**

Moderator: Yves Crozet, Director of LET – Laboratoire d'économie des Transports – CNRS - University Lyon 2, France

Presenters:

- *Urban Economic Vulnerability to Climate Change*. Robin Leichenko, Rutgers University, USA.
- *Is there an Urban Environmental Kuznets Curb? Transport-Induced Pollution Emissions in **37 Cities Worldwide***. Guillaume Pouyanne, GREThA, UMR CNRS 5113, France.
- *Agglomeration economies and spatial sustainability*. Henri Waisman, CIRED (Centre International de Recherche sur l'Environnement et le Développement), France.
- *Does climate change make industrialization an obsolete development strategy for cities ?* Le-Yin Zhang, Development Planning Unit (DPU), University College London, UK.
- *Valuing environmental characteristics in urban slums. A Spatial Hedonic approach for **Chilean cities***. Eugenio Espinoza, Housing Ministry, Chile.

Room B

**Urban Planning, Design and architecture: Helping Cities Become Resilient**

Moderator: Konrad Otto Zimmerman (ICLEI, Local Governments for Sustainability) (tbc)

Presenters:

- *Mitigating Urban Heat Island effect by urban design: forms and materials*. Marjorie Musy, Ecole Nationale Supérieure d'Architecture de Nantes, France.
- *The Worsening Temperature Increase in the Urban Environment of **Sfax, Tunisia***. Salem Dahech, University of Sfax, Tunisia.
- *Climate Sensitive & Energy Efficient Urban Structures for **Adapting Ho Chi Minh** City to the Impacts of Climate Change. The model of "Compact City" as an adequate response ?* Ronald Eckert, University of Technology Cottbus, Germany.
- *The Outdoor Recreation Urban Space and Alleviation the Negative Inputs of City Climate Change (**Warsaw**)*. Anna Pawlikowska-Piechotka, University of Warsaw, Poland.
- *The Tolerant Landscape: Strategies for a less vulnerable and climate friendly urban environment*. Arne Loeper, Bauhaus University Weimar, Germany.

Room C

### The role of Institutions: The Need to be Pro-active

Moderator: Corinne Hermant-de Callataÿ, Direction générale "Politique Régionale", European Commission

Presenters:

- *Urbanizing the environmental challenge*. Saskia Sassen, Columbia University, USA.
- *Viral Governance and Mixed Motivations – How and Why **U.S. Cities** Engaged on the Climate Change Issue, 2005-2007*. Toby Warden, USA
- *City responses to climate change: a cross-regional perspective*. Dirk Heinrichs, Helmholtz Association, Germany.
- *Climate change and the role of cities in the strategies of international institutions*. Joelle Salomon, University of Lausanne, Switzerland.
- *Capacity to Act – The Critical Determinant of Local Energy Planning*. Steve Hammer, Columbia University, USA

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Room D

### Towards Energy Efficient Cities

Moderator: Pierre-Noel Giraud, Professor, Ecole des Mines de Paris, France

Presenters:

- *Energy Balances of Urban Quarters for the Development of Energy Efficiency and Management Strategies*. Andreas Koch, European Institute for Energy Research – EIFER, Germany.
- *From sustainable neighborhoods experiences to Local Climate Change Strategies*. Taoufik Souami, French Institute for City Planning, France.
- *The evaluation of regional renewable energy demand and supply system in Taiwan*. Tzu-Yuan Chao, National Cheng-Kung University, Taiwan.
- *First Steps to Energy-Efficient Cities in Ukraine*. Bärbel Schwaiger, GTZ, Ukraine.
- *Agent-based Modeling of Urban Energy Supply Systems Facing Climate Protection Constraints*. Thomas Bruckner, University of Leipzig, Germany.

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Room E

### Adaptation of Cities to Climate Change: Case Studies of Local Plans

Moderator: Sylvy Jaglin, ENPC

Presenters:

- *Climate Change Adaptation Planning in **Toronto**: Progress and Challenges*. Jennifer Penney, Clean Air Partnership, Canada.
- *Adaptation to Climate Change in the **Greater Lyons Area (France)**: A Synergy of Legitimacy-Building Sectoral Policies and Global Strategies that Supports the Greater Lyons' Vision for the Future*. Damien Saulnier, Greater Lyons Urban Planning Agency, France.
- *Adaptation Planning Framework to Climate Change for the Urban Area of **Ho Chi Minh City, Vietnam***. Harry Storch, Brandenburg University of Technology, Germany.
- *Climate Change in the Local Development Agenda: Promoting Resilience through Enhanced Understanding of Early Threats (**Alexandria and Cotonou**)*. Mona Serageldin, Institute for International Urban Development, USA.
- *Climate Resilient Cities: An Approach to Increasing Resilience*. Federica Raghieri, World Bank

Room F                    **Sustainable Development and energy efficiency in Chinese Cities**  
Session                    Sponsored by AFD and FFEM  
organized by  
AFD                         Chair: Mr. Peccoud, Director of Research Department in AFD

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**7:15 PM                    Reception**

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**DAY 2 – Monday, June 29, 2009**

8:30 – 9:00 AM        **Breakfast - Opening for Poster Session and Exhibition Area**

**PART III – PLENARY SESSION**

9:00 – 9:45 AM        **Cities and Climate Change in Public Policy**

AUDITORIUM

*Guests speakers:*

- *The French Case.* Mrs Michelle Pappalardo, Commissaire Général au Développement Durable
- *Urbanizing the environmental challenge.* Saskia Sassen, Columbia University, USA

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9:45 – 10:30 AM        **Social Aspects of Climate Change: Understanding and Reducing the Vulnerability of Urban Populations**

AUDITORIUM

Chair:

Presenter:

- *Social Aspects of Climate Change in Urban Areas - Case studies in Africa, Asia, Latin America;* David Satterthwaite, International Institute for Environment and Development

*Comments by* Saskia Sassen, Columbia University, USA

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**10:30 –11:00 AM        Coffee Break**

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11:00 AM –  
12:30 PM                **Infrastructure, Built Environment, and Energy Supply: Effectively and Efficiently Increasing the Resilience of Cities**

AUDITORIUM

Chair: Jean-Michel Severino, Director General, AFD

Presenters:

- *A critical and comparative evaluation of approaches and policies to measure, benchmark, reduce and manage CO2 emissions from energy use in the existing building stock in cities of developed and rapidly-developing countries - case studies of UK, USA, and India;* Rajat Gupta, Oxford Institute for Sustainable Development, UK
- *Climate Change and the Resilience of New Orleans: The Adaptation of Deltaic Urban Form;* Armando Carbonell, Lincoln Institute of Land Policy, USA

12:30 – 2:00 PM Lunch

**PART IV - BREAKOUTS**

2:00 – 3:45 PM **SESSION 1**

Room A

**Economics of Cities and Climate Change: Modeling and Analyzing Individual Behaviors and Preferences**

Moderator: Bernd Hansjurgens, Head of the Department of Economics, Helmholtz Center for Environmental Research, Germany

Presenters:

- *The price of climate: revealed preferences of French consumers.* Jean Cavailles, INRA-CESAER, France.
- *Bridging land use and global warming policies.* Emilio Haddad, Universidade de São Paulo, Brazil.
- *Urban Agglomeration Economies in Climate Policy: A Computable General Equilibrium Modeling Approach.* Fabio Grazi, International research Centre on the Environment and Development (CIRED), France.
- *The Future of Mobility in France: Behavioural and Technological Evolutions.* Antoine Saglio, CIRED and LVMT, France.
- *Targeting Emerging Consumers for Sustainable Climate Solutions: The Case of **Ho Chi Minh City/Vietnam**.* Michael Waibel, University of Hamburg, Germany.

Room B

**Urban Planning: Case studies on the Integration of Climate change Concerns**

Moderator: Gregory Ingram, Director, Lincoln institute of Land Policy (tbc)

Presenters:

- *Sustainable Urban Planning and Urban Responses to Climate Change: Practices in the Australian Cities of **Canberra, Melbourne and Sydney**.* Hitomi Nakanishi, CSIRO, Australia
- *Metropolitan Planning and climate Change in **Nairobi**: How much Room to Manouvre.* Romanus Opiyo, University of Nairobi, Kenya.
- *The Planification Behind the Impacts of Climate Change: "Hey planners leave the slums alone" Case of study: **Guadalajara, Mexico**.* Christina Saborio, Fundacion Raum, Mexico.
- *Poor, urban planning and adaptation to climate change: Tales of **Haitian cities**.* Remy Sietchiping, UN-Habitat, Kenya.
- *Linking urban development and climate change mitigation and adaptation in a small city: an approach in **Cuenca, Spain**.* Pablo Vaggione, International Society of City and Regional Planners, The Netherlands.
- *Climate Change and Urban Planing in **South East Asia**.* Belinda Yuen, National University of Singapore, Singapore.

Room C

### Role of Institutions in Managing Urban Climate Change

Moderator:

Presenters:

- *Understanding and Improving Urban Responses to Climate Change.* Roberto Sanchez-Rodriguez, University of California, Riverside, USA.
- *Explaining Local Commitment to Climate Change Policy **in the United States** through the Dimensions of Risk, Stress, and Capacity.* Samuel Brody. TX A&M University, USA.
- *From Reactive to Proactive Management of Urban Climate Risks in **Asia**: Institutional challenges, scientific opportunities.* Shiv Someshwar, Earth Institute, Columbia University, USA.
- *The preparedness of a selected national-capital city health plan to health impacts from climate change.* Jostacio Lapitan, Health Organization (WHO) Centre for Health Development, Japan.
- *A Local Project of Mitigation/Adaptation to Natural and Manmade Hazards (Vision 2015): Impact Studies of Urban Sprawl and Climate Change on the Financial Capacities of Local and Regional Governments (Region of **Kedougou, Senegal**).* Jean-Pierre Elong-Mbassi, United Cities and Local Governments Africa, Morocco
- *Cities and Climate Change: Which options do we have for a safe and sustainable future?* Jürgen Kropp, Potsdam Institute for Climate Impact Research, Germany.

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Room D

### Energy Efficient Cities Initiatives: Tools and Assessment

Moderator: Ranjan Bose, Senior Energy Specialist, Energy Sector Management Assistance Program (ESMAP), World Bank, Washington, DC

Presenters:

- *SynCity - a tool kit for the integrated modeling of urban energy systems.* James Keirstead, Imperial College London, UK
  - *Using integrated urban models to respond to climate change in cities.* Spike Boydell, University of Technology Sydney, Australia
  - *City-scale integrated assessment of climate impacts, adaptation and mitigation.* Jim Hall, Tyndall Centre for Climate Change Research, UK
  - *Green Star and NABERS: learning from the Australian experience with green building rating tools.* Lily Mitchell, Baker & McKenzie, Sydney, Australia
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Room E

**Creating Sustainable Infrastructure: Challenges and Opportunities**

Moderator:

Presenters:

- *Developing a green infrastructure for climate change adaptation of urban areas.* Stephan Pauleit, University of Copenhagen, Denmark
- *Creating the ECO (nomical/logical)-integral cities of the Emerging world - A demonstration project.* Carlos Betancourth, Consultant, USA
- *Managing cities and local communities; the use of life-cycle thinking through carbon footprint-based indicators.* Hogne Larsen, NTN University, Norway.
- *Urban Underground Infrastructure and climate change: opportunities and threats.* Nikolai Bobylev, Russian Academy of Sciences, Russia.
- *Adapting to Climate Variability: Productive Use of Municipal Wastewater as a Risk Management Option in Peri-urban Regions in **India**.* Matthew Kurian, UNESCO-IHE, The Netherlands.

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Room F

Session organized  
by MEEDDAT

**Integrated Approach to Climate Change and Urban Development:  
Contributions from Paris Est research and high education cluster on  
sustainable cities**

Moderator: Régine Brehier, Director of Research and Innovation, High Council for Sustainable Development, MEEDDAT

Presenters:

- *Modeling urban climate: a case-study on the Paris area.* Eric Brun, Météo France.
- *Territories, Society and cities: urban format the crossroads of geography, economy and sociology.* Anne Aguiléra, Université Paris Est - INRETS
- *Designing, building and operating cities: towards engineering conservancy.* H. Charrue, Y. Montrelay, Université Paris Est -CSTB
- *Paris Est cluster: providing technical and scientific services on sustainable cities.* J.-M. Torrenti, Université Paris Est-LCPC.

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Room G

**Panel of Mayors on The Challenge of Adaptation in Mediterranean Cities**

Moderator: Anthony Bigio, World Bank

Presenters:

- Discussant Panel: Mayor of Tunis, Mayor of Marseille, Wali of Casablanca, Alexandria academician

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3: 45 – 4: 15 PM

**Coffee Break**



4: 15 – 6: 00 PM

**SESSION 2**

Room A

**Economics and Climate Change: How can Cities Finance Mitigation and Adaptation**

Moderator: Marie-Alice Lallemand-Flucher. Head of International Public Relations, DEXIA

Presenters:

- *The Impacts of Higher Cost Carbon for Municipal Finance **in Developing Countries***. Patricia Annez, Brookings Institute, India.
- *Adaptation and Mitigation: What are the Appropriate Financing Tools for Local Authorities ?* Thierry Paulais, Cities Alliance, USA.
- *Transport, CO2 emissions and cap-and-trade schemes. How to integrate cities ?* Charles Raux, LET (Transport Economics Laboratory), CNRS and University of Lyon, France.
- *Bridging the gap between the uptake of supply and demand-side CDM and pCDM projects **in Asian Cities***. Brian Roberts, University of Canberra, Australia.
- *Access to Carbon Finance for Climate Change Mitigation in Urban Areas*. Charles Peterson, World Bank.
- *Mobilizing Private Sector Resources Toward Urban Climate Adaptation and Mitigation Action **in Asia***. Jacob Park, Green Mountain College, USA.

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Room B

**Urban Transport: overcoming roadblocks**

Moderator: Molot Corfea, OECD (tbc)

Presenters:

- *Does urban sprawl cause the growth of transport CO2 emissions? – a statistical analysis and a look at policy options **for the EU***. Istvan Bart, European Commission, Belgium.
  - *Is there a Strategic Model for Public Authorities in terms of Sustainable Urban Transportation? The Example of Streetcar Systems **in 23 French Cities***. Edina Soldo, Institut de Management Public et Gouvernance Territoriale, France.
  - *Climate Change, the Permanence of Mobility, Urban Transport, and Poverty **in Sub-Saharan Africa***. Lourdes Diaz Olvera, Ministry of Sustainable Development, Ecole nationale des Travaux Publics de l'Etat, France.
  - *Cycling in the City: The Potential to Reduce Greenhouse Gas Emissions*. Yves Bussiere. Benemerita Universidad de Puebla, Canada
  - *Metropolitan Accessibility and Transportation Sustainability: Comparative Indicators for Policy Reform*. Jonathan Levine, University of Michigan, USA.
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Room C

**Linking Urban Governance and Finance**

Session organized by CDC Moderator: Isabelle Laudier, CDC Institute for Research

Presenters:

- Dominique Lorrain and Frédéric Gilli, Political Science Institute, Paris
- Claude de Miras, IRD
- Julien Le Tellier, LPED, Provence University
- Aziz Iraki (INAU, Maroc)
- Morched Chabbi (ATU)
- Safar Zitoun (Algérie)

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Room D

**Energy Efficient Cities Initiative: Towards promoting Energy Efficiency**

Moderator: Feng Liu, Senior Energy Specialist, Energy Sector Management Assistance Program (ESMAP), World Bank, Washington, DC

Presenters:

- *Getting to carbon neutral: a review of best practices in infrastructure strategy.* Christopher Kennedy, University of Toronto, Canada
  - *Efficient Lighting Market Transformation in the Making: The Philippine Experience.* Noel Verdote, Philippine Efficient Lighting Market Transformation Project - Project Management Office, Taguig City, Philippines (tbc)
  - *Transport and greenhouse gas emissions: measures of mitigation.* Olga Rosa Ravella, Facultad de Arquitectura y Urbanismo de La Plata, Argentina
  - *Reducing Greenhouse Gas Emissions: The Potential for Better Congestion Management.* Jacques Nouvier and Tiphaine Bretin, Center for Studies on Urban Planning, Transportation and Public Facilities, French Ministry of Transport, France
  - *The Role of Intelligent Transport Systems for Demand Responsive Transport.* Robert Clavel, Centre for Studies on Urban Planning, Transportation and Public Facilities, French Ministry of Transport, France (tbc)
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Room E

**The Challenge of Adaptation at the City Level: Case Studies of Vulnerabilities and Impacts**

Moderator: Mayor of Tunis (tbc)

Presenters:

- *Urban Vulnerability to Flood Risks in the Context of Climate Change: The Case of **Algiers***. Nadjat Aroua, Ecole polytechnique d'architecture et d'urbanisme d'Alger. Algeria.
- *Droughts and Floods in the City of **Korhogo, Côte d'Ivoire**: An Understanding of the Causes, the Ways Populations Adapt, and the Effects on Water Resources and Health*. Brama Koné, Swiss Centre for Scientific Research in Côte d'Ivoire, Côte d'Ivoire
- *Climate Change and Urban Children: Impacts and Implications for Adaptation in **Low- and Middle-income Countries***. Sheridan Bartlett, International Institute for Environment and Development and CERG, USA.
- *Impacts of Climate Change and vulnerable communities at the City of **Johannesburg***. Linda Phalatse, City of Johannesburg, South Africa.
- *Assessing the Impacts, Vulnerability, Mitigation and Adaptation to Climate Change in Kampala City*. Thadeus Mabasi, Uganda Pentecostal University, Kampala, Uganda
- *An assessment of the impact of climate change on the **megacities of India** and of the current policies and strategies to meet associated challenges*. Shadanan Nair, Nansen Environmental Research Centre, India.

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Room F

**The social Dimension of Climate Change in Cities: case studies on the Vulnerability of the Urban Poor**

Moderator: xxxxxxxxxxxx, UN-Habitat (tbc)

Presenters:

- *Climate Change and Migration in **Nairobi**: Environmental Migration and its Urban Manifestation at the Local Scale*. Cecilia Kinuthia-Njenga, UN HABITAT, Kenya.
- *Rural- Urban migration of the Nigerian work populace and climate change effects on food supply: a case study of a **savanna city in northern Nigeria***. Jamila Abdullahi, College of Agriculture, Nigeria.
- *Vulnerability of Poor Urban Coastal Communities to Climate Change in **Lagos (Nigeria)***. Ibidun Adelekan, University of Ibadan, Ibadan, Nigeria.
- *The Urban Poor's Vulnerability to the Impacts of Climate Change **in Latin America and the Caribbean**. A Policy Agenda*. Lucy Winchester, United Nations (ECLAC/UN), Chile.
- *Assessing cities' vulnerability to climate change; understanding common and context specific patterns*. Patricia Romero Lankao, National Center for Atmospheric Research (NCAR), Mexico.

Room G

**Managing the Urban Space: Urban Agriculture**

Moderator: Mark Redwood, Program Leader, International Development Research Centre, Canada

Presenters:

- *Urban Agriculture as an Integrative Factor of Climate-Optimised Urban Development in **Casablanca (Morocco)***. Silvia Martin-Han, Berlin Institute of Technology, Germany.
- *Enhancing Climate Change Adaptation in Urban Areas in Kenya through Integrating Sustainable Agricultural Land Use: A Case Study of **Eldoret (Kenya)***. Samuel Emasit Okalebo, MOI University, Kenya.
- *Institutions and Adaptation in Urban and Periurban Agriculture (UPA) in **Burkina Faso**: The case of Fruit and Vegetable Producers in the Main Cities of the Country*. Denis Ouedraogo, Université polytechnique de Bobo-Dioulasso, Burkina Faso.
- *Climate change and food security in the cities*. Neeraja Havaligi, Akamai University, USA.

6:30 – 7:30 PM

**Session – The Role of Cities in International Negotiations**  
**Brice Lalonde, French Ambassador for Climate Change Negotiations**  
**(tbc)**

**DAY 3 – Tuesday, June 30, 2009**

8:30 – 9:00 AM Breakfast – Opening for Poster Session and Exhibition Area

**PART V – PLENARY SESSION**

9:00 – 9:45 AM **Summary of key activities on Cities and Climate Change, by International Institutions (World Bank, UN-Habitat, UNEP, UNFPA...)**  
Auditorium  
Chair: Zoubida Allaoua, World Bank. Director, Fiscal, Economics and Urban Development Department

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9:45 – 10:30 AM **Linking Urban Planning, Design, and Greenhouse Gas Emissions**  
Auditorium  
Chair: DGALN Representative (tbc)

Presenter:

- *GHG Emissions, Urban Mobility and Efficiency of Urban Morphology: A Hypothesis*; Alain Bertaud (Consultant, USA), Benoit Lefevre (IDDRI, Paris), Belinda Yuen (Singapore University)

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10:30 – 11:00 AM **Coffee Break**

11:00 AM – 12:30 PM **Role of Institutions, Governance, and Urban Planning: Improving Management and Planning of Cities**

Chair: Elisabeth Gateau, UCLG

Auditorium

Presenters:

- *The role of institutions, governance and urban planning. Case studies in Australia, Brazil, China, India, Indonesia, Mexico, South Africa, South Korea*; Harriet Bulkeley, University of Oxford
- *Government Institutions and Innovations in Governance for Achieving Climate Adaptation in Cities*; JoAnn Carmin, MIT

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12:30 – 2:00 PM **Lunch**

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## PART VI - BREAKOUT SESSIONS

2:00 – 3:45 PM

## SESSION 1

Room A

**Urbanization and Local Climate: Observing the Relationship**

Moderator: Christopher Kennedy, University of Toronto, Canada

Presenters:

- *Analysing vulnerability of **European cities** resulting from urban heat island.* Nina Schwarz, Helmholtz Centre for Environmental Research – UFZ, Germany.
- *Spatial geotechnology applied to the urban climate analysis: thermal behavior of urban coverages in **Caracas City (Venezuela)**.* Karenia Cordova, Central University of Venezuela.
- *Effects of Urbanization on the Climate of **Ankara (Turkey)**.* Ulku Yuksel, Gazi University, Turkey
- *Modeling the Urbanization Impact on the Temperature Series of **Ukkel (Brussels, Belgium)**: A case study using the Town Energy Balance (TEB) scheme.* Rafiq Hamdi, Royal Meteorological Institute of Belgium.
- *The Impacts of Urban Expansion on Local Precipitation.* Karen Seto, Yale University, USA
- *A Multidisciplinary Study of the Impacts of Climate Change at the Scale of the **Paris Metropolitan Area**.* Julien Desplat, METEO-France, France.

Room B

**The social Dimension of Climate Change in Cities: Strategies to Reduce Vulnerability of the Urban Poor**

Moderator:

Presenters:

- *Empowering social networks to localize climate change coping strategies in impoverished urban communities.* Jennifer Louise Lenhart, International Environment Institute (IIIEE, Lund University), Sweden.
- *A conceptual and operational framework for pro-poor asset adaptation to urban climate change: Results from **Central America and East/Southern Africa**.* Caroline Moser, Global Urban Research Centre, UK.
- *Vulnerability, Adaptation, and Resilience to Flood and Climate Change-Related Risks Among Riverine Communities in **Metro Manila, Philippines**.* Emma Porio, Ateneo de Manila University, Philippines.
- *Climate adaptation in Nigerian Cities: regularising informal and illegal settlements in **Ibadan (Nigeria)**.* Grace Adeniji, Ibadan University, Nigeria.
- *Disposition and amendment of urban waste into the climate change in **two Latin-American cities**: A gender approach.* Sofia Camilla, Universidad Tecnologica Metropolitana, Chile.
- *Permissible vulnerabilities? Global media representations meet local cultural interpretations of climate adaptation in **Mumbai, India**.* Emily Boyd, Oxford University Centre for the Environment, UK.

Room C

**Governance of Climate Change in Cities: Conflicts and Constraints**

Moderator: Anne Charreyron-Perchet, French Ministry of Ecology, Energy, Sustainable Development and Town and Country Planning

Presenters:

- *Adapting Cities to Climate Change: Goal Conflicts and Methods of Conflict Resolution.* Karin Edvardsson Bjornberg, Royal Institute of Technology, Sweden.
- *Conceptualization of Cooperation Among Institutions.* Cynthia Ghorra-Gobin, Paris Institute of Political Science, France.
- *Institutionalizing Adaptation Strategies in Metropolitan Regions: Challenges Facing **Shanghai**.* Edward Leman, Chreod Group Inc., Canada.
- *Climate Variability and Competing Demands for Urban Water Supply: Reducing Vulnerability Through River Basin Governance in **Brazil**.* Rosa Maria Formiga Johnnsson, State University of Rio de Janeiro, Brazil
- Subnational and transnational climate change governance: evidences from the state and city of **São Paulo, Brazil**. Joana Setzer, London School of Economics and Political Science (LSE), UK.

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Room D

**Assessing Local Climate Vulnerability, Impacts, and Assessing Policy Options: Coastal Zones**

Session  
organized by  
OECD

Moderator: Jan Corfee-Morlot (OECD)

Presenters:

- Global Port Cities - Robert Nicholls (IPCC, University of Southampton, UK); Focus discussion on the use of global assessment tool - targeting hot spots and areas that need more focused, in-depth analysis.
  - Copenhagen & Mumbai examples (impact assessment) - Stephane Hallegatte (CIRED and Meteo France) +/- Nicola Patmore or Satya Priya (RMS); Focus discussion on the role of scientific impact assessment in climate/local development & risk screening & management strategies
  - Understanding and adapting to coastal zone climatic risk at local scale: examples from the US - Travis Franck (MIT); Focus discussion how to devise policy to incentivise sound risk management by private investors
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Room E

**The Adaptation of Cities to Climate Change: Overcoming Challenges**

Moderator: William Solecki, Columbia University, New York

Presenters:

- *Urban Adaptation to Climate Change: What We Know, What We Don't Know: **Bangkok and Ho Chi Minh City** as Litmus Tests.* Douglas Webster, School of Sustainability, USA.
- *Climate adaptation in **the Netherlands**; Challenges for a safe and attractive urban environment.* Sonja Dopp, TNO Built Environment and Geosciences, The Netherlands.
- *Natural Hazard and Climate Change in **Dhaka**: future trends, social adaptations and informal dynamics.* Boris Braun, University of Cologne, Germany.
- *Built-in resilience: Learning from urban grassroots coping strategies to climate variability.* Huraera Jabeen, BRAC University, Bangladesh
- *The possibilities for and constraints on community-based adaptation: drawing on the experience of the **Philippines** Homeless People's Federation in responding to extreme weather.* Diana Mitlin, International Institute for Environment and Development, UK

Room F

**Managing Adaptation: China response to Climate Change**

Session organized by the World Bank

Moderator: Asian Development Bank (tbc)

Presenters:

- Shanghai Expo (tbc)
- ECO2 Cities Initiative (Iruoki Suzuki, World Bank)
- Downtown zero emission initiative (tbc)

Discussant: Keshav Varma, Director, EAP

**3:45 – 4:15pm**

**Coffee Break**

4:15 - 5:45 pm

**SESSION 2**

Room A

**Cities and their Carbon Footprints**

Moderator: xxxxx, French Environment and Energy Management Agency (tbc)

Presenters:

- *Blaming Cities for Climate Change? An Analysis of Urban Greenhouse Gas Emissions.* David Dodman, International Institute for Environment and Development, UK.
- *Carbon Property Rights, Cities and Climate Change.* Spike Boydell, University of Technology, Sydney, Australia.
- *Detecting Carbon Signatures of Development Patterns across a Gradient of Urbanization: Linking Observations, Models, and Scenarios.* Marina Alberti, University of Washington, USA.
- *A framework for assessing urban adaptation and mitigation to climate change.* Richard Stren, University of Toronto, Canada.
- *Sustainable Urban Metabolism for Europe (SUME).* Christof Schremmer, Austrian Institute for Regional Studies and Spatial Planning (OIR), Austria.



Room B

**Urban Planning and Land Use: opportunities for Climate Change adaptation**

Moderator: Pablo Vaggione, Secretary General, International Society of City and Regional Planners (tbc)

Presenters:

- *Modeling Strategies for Adaptation to Coupled Climate and Land Use Change **in the United States***. Scott Goetz, Woods Hole Research Center, USA
- *Urban form and transport policies: integrated planning approach and governance to face against climate change. Lessons from **Barcelona and Hannover***. Lydie Laigle, CSTB (centre scientifique et technique du bâtiment), France.
- *Connecting Cities: Achieving Sustainability Through Innovation*. Nicola Villa, Cisco Systems Inc., The Netherlands
- *Climate Related Disasters and Urban Land Markets: Are Opportunities Being Missed?* Robin Rajack, World Bank.

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Room C

**Quantifying and Modeling Urban Risks**

Moderator: Saroj Kumar Jha, Program Manager, Global Facility for Disaster Risk Reduction

Presenters:

- *Mapping the Risks of Climate Change **in Developing Countries***. Mark Montgomery, Stony Brook University, USA.
  - *Planning and Warning Tools For Flood Disaster Management in **Lagos Mega City***. Olusegun Adebayo Adeaga, University of Lagos, Nigeria.
  - *Using climate models to assess climate change impacts in cities*. Michael Sanderson, Met Office Hadley Centre, UK.
  - *Measurement of Catastrophic Risks and Optimal Climate Change Adaptation Strategies for Local Governments*. Stefan Truck, Macquarie University Sydney, Australia.
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Room D

### Towards Carbon Neutral Cities

Moderator: Geneviève Ferone, Head of Sustainable Development, Veolia Environment

Presenters:

- *Urban Energy use and Carbon Emissions in China and the Responsibility Debate*. Shobhakar Dhakal, National Institute for Environmental Studies, Japan.
- *Sustainable Urban Infrastructure Development – the role of building sector in **China***. Jun Li, Ecole des Mines de Paris, France.
- *US Urban Energy Consumption: Patterns and Possibilities*. Lily Parshall, Columbia University, USA.
- *Comparative Study of Energy and Carbon Emissions Development Pathways and Climate Policy in Southeast **Asian Cities***. Aumnad Phdungsilp, Dhurakij Pundit University, Thailand.
- *A comparative analysis of major city-case experiences in climate change mitigation: exploring methodological issues in the plans of **London, Paris, New York and Milan***. Edoardo Croci. Università Commerciale Luigi Bocconi, Italy.

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Room E

### The Adaptation of Cities to Climate Change: Coastal Cities

Moderator: Christian Delvoie, Director MDW, World Bank

Presenters:

- *Instruments for climate adaptation in cities (**Rotterdam and other Delta Cities**)*. Elizabeth Nijhuis, Engineering Department of Public Works Rotterdam, The Netherlands.
  - *Evaluating the Impacts of Climate Change on the Organization of a Coastal Urban Area: Existing Tools to Stimulate Thinking and Help Decision-Making*. Christine Voiron, UMR Espace, Université de Nice, CNRS, France
  - *Vulnerability and Resilience of Urban Communities under Coastal Hazard Conditions in **Southeast Asia***. Vilas Nitivattananon, Asian Institute of Technology, Thailand.
  - *Adapting to climate change in the coastal cities of **North Africa***. Antony Bigio, World Bank
  - *Climate Change and Urban Governance: The Case of **Sfax (Tunisia)***. Abdelkarim Daoud, University of Sfax, Tunisia.
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Room F

**Green Buildings and Green Lessons**

Moderator: Prince of Walles Fundation (tbc)

Presenters:

- *Characterising the response of buildings to climate change: the issue of overheating.* David Coley, University of Exeter, UK.
- *Opportunities and Challenges to Energy Conservation Consciousness and Climate Change Reduction in the Building Sector in Nigeria.* John-Felix Kayode Akinbami, Centre for Energy Research and Development, Nigeria.
- *Thermo overcoats (Parkas) maintain, secure and improve living conditions while reducing heating energy consumption in pre-cast panel buildings in the coldest Capital of the World.* Ruth Erlbeck, GTZ, Mongolia.
- *Rainwater harvesting for evaporation, mitigation of local and global warming.* Marco Schmidt, Technische Universität Berlin, Germany
- *Green Lessons: Housing and Climate Change.* Carlos Martín, National Association of Home Builders, USA

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Room G

**Tools for Cities**

Session  
organized by the  
World Bank

Chair:  
Climate Resilient Primer  
SWOT Team to Cities  
Creation of a GHG City Index  
Training tools  
Global Facility Disaster Risk Reduction

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5:45 – 6:00 PM

**Coffee Break**

**PART VII — PLENARY SESSION**

6:00 - 6:30 PM **Closing Panel session:**

AUDITORIUM

- Abha Joshi-Ghani, Sector Manager, World Bank
- Raymond Cointe, Director: European and International Affairs, French Ministry of Ecology, Energy, Sustainable Development and Town and Country Planning
- Xxxxx, AFD

**Poster Sessions and Exhibition area**

EXHIBITION AREA	Monday and Tuesday Posters and exhibits are presented
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5<sup>th</sup> Urban Research Symposium Partners

