

Oral Program

Thursday 12 June

16:00-18:00	Registration
18:00-20:00	Welcome Reception, City Hall Foyer

Friday 13 June

From 08:30	Posters mounted for Poster Session 1, City Hall Room
08:00-09:00	Registration, <i>City Hall Room & Foyer</i>
Plenary Room:	Dominion Ballroom
09:00-09:20	Welcoming remarks William J. Manning & Deidre Dunn
09:20-10:00	[K01] Estimating the Energy Use and CO2 Emissions of the World's Cities Chris Kennedy*, S. Singh, <i>University of Toronto, Canada</i>
10:00-10:30	Coffee Break & Poster Viewing, City Hall Room & Foyer
10:30-11:00	[INV01] Megacities and Climate Change G.A. Folberth ^{*1} , S.T. Rumbold ¹ , W.J. Collins ² , T.M. Butler ³ , ¹ <i>Met Office Hadley Centre, UK</i> , ² <i>University of Reading, United States Minor Outlying Islands</i> , ³ <i>Institute for Advanced Sustainability Studies e.V., Germany</i>
11:00-11:30	[INV02] Urbanization and the carbon cycle Lucy Hutyra, <i>Department of Earth & Environment, Boston University, USA</i>
11:30-12:00	[INV03] Heat waves in urban environments: impacts and mitigation Dan Li ¹ , ¹ <i>Princeton University, USA</i> , ² <i>NOAA/Geophysical Fluid Dynamics Laboratory, Princeton, USA</i>
12:00-12:30	[INV04] Urban phenology: A bio-indicator for heat islands and global change Susanne Jochner, <i>Technische Universität München, Germany</i>
12:30-13:30	Lunch & Poster Viewing, City Hall Room & Foyer
13:30-14:30	Poster Session 1, City Hall Room & Foyer
14:00-14:30	[INV05] George Luber
14:30-15:00	[INV06] Urban Forest Effects on Air Quality, Climate Change and Human Health David Nowak, <i>USDA Forest Service, USA</i>
15:00-15:30	Coffee break & Poster Viewing, City Hall Room & Foyer
15:30 -16:00	William J. Manning
16:00-17:30	Panel discussion
17:30	Remove posters from Poster Session 1 City Hall Room

Saturday 14 June

From 08:30	Posters mounted for Poster Session 2, City Hall Room
08:00 – 09:00	Registration, <i>City Hall Room & Foyer</i>
Plenary Room:	Dominion Ballroom
09:00-09:30	[INV07] Anthropogenic influences on CO2 and H2O in cities Ryo Moriwaki, <i>Ehime University, Japan</i>
09:30-09:50	[O01] Synergy between pollution and carbon emissions control: Comparing china and the united states K.M. Nam*, C.J. Waugh, S. Paltsev, J.M. Reilly, V.J. Karplus, <i>Massachusetts Institute of Technology, USA</i>
09:50-10:10	[O02] Air pollution health risk live web maps M.D. Adams ^{*1} , D. Corr ² , R.M. Kelly ¹ , P.S. Kanaroglou ¹ , ¹ <i>McMaster University, Canada</i> , ² <i>Corr Research, Canada</i>
10:10-10:30	[O013] Health impact of global climate change (2050-2011) over five different European cities: Antwerp, Helsinki, London, Madrid and Milan R. San Jose ^{*1} , J.L. Pérez-Camaño ¹ , R.M. González-Barras ¹ , J. Bilbao ² , A. Garzón ¹ , ¹ <i>UPM, Spain</i> , ² <i>UCM, Spain</i> , ³ <i>INDRA, Spain</i>
10:30-11:00	Coffee Break & Poster Viewing, City Hall Room & Foyer
11:00-11:20	[O04] Greenness and allergies: evidence of differential associations in two areas in Germany E. Fuertes ^{*1,2} , I. Markevych ^{1,3} , A. von Berg ⁴ , C.P. Bauer ⁵ , D. Berdel ⁴ , S. Koletzko ³ , D. Sugiri ⁶ , J. Heinrich ¹ , ¹ <i>Helmholtz Zentrum München, Germany</i> , ² <i>University of British Columbia, Canada</i> , ³ <i>Ludwig-Maximilians-University of Munich, Germany</i> , ⁴ <i>Marien-Hospital Wesel, Germany</i> , ⁵ <i>Technical University of Munich, Germany</i> , ⁶ <i>University of Düsseldorf, Germany</i>
11:20-11:40	[O05] Understanding the health impact of future energy efficiency and low-emissions in London

	I.G. Hamilton ^{*1} , J. Milner ² , P. Das ¹ , Z. Chalabi ² , C. Shrubsole ¹ , P. Wilkinson ² , M. Davies ¹ , ¹ University College London, UK, ² London School of Hygiene and Tropical Medicine, UK
11:40-12:00	[O06] Methylated polycyclic aromatic hydrocarbons and their contribution to AhR-mediated activities in street dust from Asian cities L. Huu Tuyen ^{*1,2} , N. Minh Tue ^{1,2} , S. Takahashi ¹ , G. Suzuki ⁴ , P. Hung Viet ¹ , A. Subramanian ¹ , K. A. Bulbule ¹ , S. Tanabe ¹ , ¹ Ehime University, Japan, ² Hanoi University of Science, Viet Nam, ³ National Institute for Environmental Studies, Japan, ⁴ KLE's Nijalingappa College, India
12:00-12:20	[O07] Subsurface urban heat islands: Thermal impact of urbanization on groundwater K. Menberg ^{*1} , P. Bayer ¹ , P. Blum ² , ¹ ETH Zurich, Switzerland, ² Karlsruhe Institute of Technology (KIT), Germany
12:20-13:00	Lunch & Poster Viewing, City Hall Room & Foyer
13:00-14:00	Poster Session 2, City Hall Room & Foyer
14:00-14:20	[O08] Metal contamination in the semi-urbanised Laurel Creek Watershed, Waterloo (Ontario), Canada A.T. Lima [*] , H. Duerr, D.W. O'Connell, G. Geller, J.P. Jones, P.V. Cappellen, <i>University of Waterloo, Canada</i>
14:20-14:40	[O09] The impacts of precursor reduction and meteorology on ground-level ozone in the Greater Toronto Area S.C. Pugliese ^{*1} , J.G. Murphy ¹ , J.A. Geddes ² , J.M. Wang ¹ , ¹ University of Toronto, Canada, ² Dalhousie University, Canada
14:40-15:00	[O10] Risks of human exposure to silver engineered nanoparticles in urban soils: Testing in-vitro bioaccessibility tests and single extraction methods S.M. Rodrigues ^{*1} , D. Tavares ¹ , N. Cruz ¹ , L. Carvalho ¹ , T. Trindade ¹ , A.C. Duarte ¹ , E. Pereira ¹ , P.F.A.M. Römken ² , ¹ Universidade de Aveiro, Portugal, ² Alterra - Wageningen UR, The Netherlands
15:00-15:30	Coffee Break & Poster Viewing, City Hall Room & Foyer
15:30-17:30	Author Workshop
17:30	Remove posters from Poster Session 2
19:30-22:30	Gala Dinner-Ticket holders only
Sunday 15 June	
Theme 7	
Plenary Room:	Dominion Ballroom
09:30-09:50	[O11] Thermal demand and related CO₂ emissions of buildings under climate change conditions in arid climates: A simulation study in Antofagasta, Chile M. Palme, <i>Catholic University of the North, Chile</i>
09:50-10:10	[O12] Residues of the herbicide glyphosate in urban streams and groundwater D.R. Van Stempvoort [*] , J. Struger, J.W. Roy, S.J. Brown, G. Bickerton, <i>Environment Canada, Canada</i>
10:10-10:30	[O13] Green liver system for water purification in an urban context S. Pflugmacher Lima [*] , V. Contardo-Jara, A. Peuthert, I. Säumel, P.D. Hansen, <i>Technische Universität Berlin, Germany</i>
10:30-11:00	Coffee Break, City Hall Room & Foyer
11:00-11:20	[O14] Improving the cooling efficiency of urban trees in hot-arid regions with deficit irrigation D. Pearlmutter ^{*1} , F. Ugolini ² , ¹ Ben-Gurion University, Israel, ² National Research Council, Italy
11:20-11:40	[O15] Extensive green roofs for runoff mitigation in a subtropical urban city, Hong Kong O.W.H. Wai [*] , D. Lam, K. Liu, <i>The Hong Kong Polytechnic University, Hong Kong</i>
11:40-12:00	[O16] Evaluation of the impact of vegetation canopy on the cooling effect F.H. Kong [*] , H.W. Yin, W.J. Yan, <i>Nanjing University, China</i>
12:00-13:00	Lunch, City Hall Room & Foyer
13:00-13:20	[O17] Modelling air pollution abatement in deep street canyons by means of air scrubbers M. De Giovanni ^{*1} , G. Curci ^{2,3} , A. Avveduto ¹ , L. Pace ¹ , C. Dari Salisburgo ¹ , F. Gianmaria ^{2,3} , A. Monaco ³ , G. Spanto ⁴ , P. Tripodi ^{1,4} , ¹ Società Progetti Innovativi – S.P.In Srl, Italy, ² CETEMPS, Italy, ³ University of L'Aquila, Italy, ⁴ Innovation in Sciences&Technologies – IsTECH Srl, Italy
13:20-13:40	[O18] Analysis of a wet scrubber network in the air remediation of industrial plants A. Avveduto ^{*1} , L. Pace ¹ , C. Dari Salisburgo ¹ , G. Curci ² , M. De Giovanni ¹ , A. Monaco ² , F. Giammaria ² , G. Spanto ³ , P. Tripodi ^{1,3} , ¹ Società Progetti Innovativi – S.P.In Srl, Italy, ² University of L'Aquila, Italy, ⁴ Innovation in Sciences & Technologies – IsTECH Srl, Italy
13:40-14:00	[O19] Multi-dimensional air pollutant sources in industrial plants and their effect on environmental air pollution: remediation strategy and method P. Tripodi ^{*1,2} , A. Avveduto ² , L. Pace ² , C. Dari Salisburgo ² , M. De Giovanni ² , G. Curci ^{3,4} , A. Monaco ³ , F. Giammaria ^{3,4} , G. Spanto ¹ , ¹ IsTECH, Italy, ² S.P.In, Italy, ³ University of L'Aquila, Italy, ⁴ CETEMPS, Italy
14:00-14:20	[O20] Traffic, residential and industrial emission sources: impact on air quality and remediation action in the town P. Tripodi ^{*1,2} , A. Avveduto ² , L. Pace ² , C. Dari Salisburgo ² , M. De Giovanni ² , G. Curci ^{3,4} , A. Monaco ³ , F.

	Giammaria ^{3,4} , G. Spanto ¹ , ¹ IsTECH, Italy, ² S.P.In, Italy, ³ University of L'Aquila, Italy, ⁴ CETEMPS, Italy
14:20 -14:30	Closing Remarks
14:30	All posters must be removed