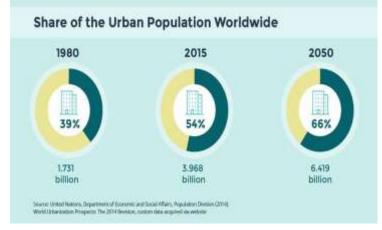
# CITES 2018.CONFERENCE IPCC

Cities & Climate Change Science Conference MARCH 5 - 7, 2018 EDMONTON, ALBERTA, CANADA **Outcomes of the Conference** 

Maryke van Staden, ICLEI, CitiesIPCC Scientific Steering Committee Member Resilient Cities 2018, 27 April 2018



# Why cities?



Share of Urban Population on all Continents





# Why cities?







Cities are both key to solving the challenge of climate change and highly vulnerable to its ill effects.



## History

IPCC AR 5 – Cities are highlighted as an increasingly important topic

43nd IPCC Plenary April 2016, discussion on proposals for a Special Report on Cities in AR7 Cycle

44<sup>th</sup> IPCC Plenary October 2016, proposal for CitiesIPCC conference approved

Contribute to AR 6 and AR 7 Specifically Special Report on Cities



## **Conference** aims and goals

#### **Conference aims:**

-- to inspire the next frontier of research focused on the science of cities and climate change

#### **Primary goals:**

- -- to assess the state of academic and practice-based knowledge related to cities and climate change,
- -- and to establish a global research agenda based on the joint identification of key gaps by the academic, practitioner and urban policy-making communities

#### **Specific goals:**

- -- to stimulate research underpinning effective and efficient urban responses to climate change
- -- to provide inputs to the products of the Intergovernmental Panel on Climate Change (IPCC)



### **Expected outcomes**

Improve scientific knowledge and stimulate new research
Forge stronger partnerships between communities
Promote joint knowledge production
Connect data platforms and initiate new ones
Catalyze funding to meet these goals



### **CitiesIPCC Partnership**

**UN@HABITAT** 

FOR A BETTER URBAN FUTURE











**Cities Without Slums** 

Edmonton

UN @

environment

United Nations Environment Programme



United Cities and Local Governments Local Governments for Sustainability



#### **Scientific Steering Committee**

• Dr. Shobhakar Dhakal Asian Institute of Technology, Thailand

Seth Schultz • C40 Climate Leadership Group, USA

• Prof. Dr. Diana Ürge-Vorsatz Central European University, Hungary

· Prof. Xuemei Bai

• Dr. Aliyu Barau Bayero University Kano, Nigeria

 Prof. William Solecki, CUNY Institute for Sustainable Cities, USA

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• Dr. Helen Cleugh CSIRO Climate Science Centre, Australia

 Prof. Richard Dawson Newcastle University, UK

• Dr. Gian Carlo Delgado National Autonomous University of Mexico, Mexico

• Dr. David Dodman Australian National University, Australia International Institute for Environmental Development, UK NASA Goddard Institute for Space Studies, USA

> Lykke Leonardsen City of Copenhagen, Denmark

 Maryke van Staden, ICLEI, South Africa

 Prof. Valérie Masson-Delmotte LSCE, France

 Dr. Debra Roberts eThekwini Municipality, Durban, South Africa

 Prof. Roberto Sanchez El Colegio de la Frontera Norte, Mexico

Dr. Cynthia Rosenzweig

 Prof. Karen Seto Yale University, USA

• Dr. Megan Melamed, International Global Atmospheric Chemistry (IGAC), USA



#### **Conference** participation

- Academics
- Researchers
- Policy makers
- Urban practitioners
- Private sector representatives
- Indigenous leaders
- Youth
- 700+ delegates
- 64 countries
- 32% participants from Global South
- 49% women, 51% men





## **Conference themes**

1. Cities and climate change: imperatives for action

2. Urban emissions, impacts and vulnerabilities: science and practice of cities

3. Solutions for the transition to low-carbon and climate-resilient cities: science and practice for cities

4. Enabling transformative climate action in cities (advancing science and advancing cities)



## **Conference** sessions

- 7 plenaries
- 49 thematic sessions
- 7 sessions led by SSC
- 76 posters

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- Cities and global agendas
- Energy systems
- Climate finance
- Inclusion and informality
- Co-benefits

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- Knowledge systems
- Environmental justice
- Big data and smart cities
- Policy-practitioner-academia interactions

- GHG emissions
- Urban climate information
- Climate risks and vulnerabilities
- Human health and climate change
- Urban climate governance
- Urban adaptation and resilience building



## Outcomes

• Conference Proceedings

• A global research agenda on cities and climate change that advances climate change science and gives recognition and visibility to the knowledge generated by urban stakeholders

• Enhanced understanding of the impacts of climate change at the urban level, the range of possible responses and the role of cities in the implementation of the Paris Agreement; and

• Better informed climate decision-making at the local level, as a result of improved relations between the policy, practice and the scientific communities working on/in urban areas, through new projects, platforms and partnerships.



## **CitiesIPCC Global Research and Action Agenda**

 Co-produced from inputs from plenary and parallel sessions, posters, commissioned papers and conference discussions
 Will be drawn together by CitiesIPCC SSC and support team
 Presented as part of official CitiesIPCC Conference Report at 48<sup>th</sup> IPCC Plenary, October 2018



## **CitiesIPCC Global Research and Action Agenda**

#### Key Aspects

Challenges of Scale
Data, modelling, scenarios at the city scale
Importance of systems approach and multiple knowledge systems

Cities & Climate Change Science Conference MARCH 5 - 7, 2018 - EDMONTON, ALBERTA, CANADA **Call for Research and Action** 

- Informality
- Governance
- Consumption + Production
- Natural and Built Infrastructure
- Finance
- Urban Climate Science
- Vulnerability, risk and resilience
- Urban Planning and Design

Approaches for academic, urban practitioner and policy-making communities to support Research and Action Agenda

GlobalNationalLocal



# Thanks for your time!

Stay updated with the outcomes and related events www.citiesipcc.org info@citiesipcc.org Twitter: @cities\_ipcc