

THE C40 CITIES CLIMATE LEADERSHIP GROUP MAYORS SUMMIT

JOBURG 2014

FACT SHEET:

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About the 2014 C40 Mayors Summit

- The 2014 C40 Cities Mayors Summit takes place from Tuesday the 4th to Thursday the 6th of February 2014 in South Africa - hosted by the City of Johannesburg (CoJ).
- The Summit is delivered by the C40 Cities Climate Leadership Group (C40) and the Clinton Climate Initiative (CCI) Cities Program.
- The C40 Cities Climate Leadership Group is a network of the world's largest cities, committed to implement meaningful and sustainable climate-related policies that will help address global climate change concerns and reduce greenhouse gas (GHG) emissions.
- Led by Michael Bloomberg, the C40 Chair and Mayor of New York City, and Executive Mayor of City of Johannesburg honourable Mpho Parks Tau, the fifth biennial C40 Mayors Summit brings together mayors from across the world for three days to advance urban solutions to climate concerns.
- This is the first time the C40 Cities Mayors Summit will be hosted in Africa, a continent highly vulnerable to the adverse impacts of climate change. CoJ is part of the C40 steering committee and the regional head of the African region. Only three other cities are part of C40 namely: Cairo, Lagos and Addis Abba.
- The theme of the 2014 C40 Cities Mayors Summit is: 'Towards resilient and liveable Megacities - demonstrating action, impact and opportunity'.
- Senior officials and mayors from over 63 leading cities around the world, will come together to discuss the climate change challenges facing their cities, and share insights based on the actions they've taken to reduce GHG emissions.
- Around 700 urban and climate change leaders from around the world will join mayors in a series of roundtable discussions and working sessions to focus on the themes of GHG measurement and adaptation.
- The C40 Cities Mayors Summit offers cities an effective forum where they can collaborate, share knowledge, exchange ideas, forge new partnerships and drive meaningful, measurable and sustainable action on climate change.
- Each city member of the C40 is unique in its infrastructure and progress in addressing climate change. The C40 Cities Mayors Summit is set to further empower these cities to scale-up their climate change efforts for a greater impact on the environment.

- Through the partnership with the CCI, C40 shares technical expertise on best practices, provides a unique set of assets to create a shared sense of purpose, and provides proven models that other cities and national governments can adopt.
- The C40 Cities Mayors Summit also provides an opportunity to solicit feedback from cities to inform the future strategic direction of the C40's programs and initiatives.
- With backgrounds in finance, consulting, government, engineering, and other expertise across a range of sectors, C40's diverse and talented group of individuals are driven by a desire to make the world a better place, and are united by a passionate belief that cities will lead the way.

Keynote Speakers (TBC)

- Keynote Address: Chair of C40 and Mayor of New York City: Michael R Bloomberg
- Welcome Address: Executive Mayor of the City of Johannesburg: Honourable Mpho Franklyn Parks Tau
- World Bank President: Robert Zoellick
- Climate Action in Megacities Presentation [speaker name]

Key Topics Covered (TBC)

- Plenary Session: Adaptable and Resilient Cities [speakers' names]
- Plenary Session: Building Liveable Cities [speakers' names]
- Plenary Session: Socio-Economic Development of emerging megacities [speakers' names]

Special Announcements and Sessions (TBC)

- Handover of New C40 Chair
- The C40 will release the 2nd volume of its global report 'Climate Action in Megacities', publishing the latest results of a three-year seminal research effort under the leadership of C40 Chair, New York City Mayor Michael R Bloomberg.
- The report will document gathered and benchmarked data on the actions and powers of cities to address the sources and risks of climate change, and the progress and leadership of cities made in this regard.

Previous Summits

- Sao Paulo, Brazil: May 2011
- Seoul, South Korea: May 2009
- New York, USA: May 2007
- London, England: October 2005

STAY CONNECTED

The 2014 C40 Cities Mayors Summit General Inquires

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Clinton Climate Initiative: <http://www.clintonfoundation.org>
Bloomberg Philanthropies: www.bloomberg.org
World Bank: www.worldbank.org
ICLEI: www.iclei.org
Carbon Disclosure Project: www.cdproject.net
Arup www.arup.com

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WHY CITIES?

Cities have the power to change the world

- Cities are strongly positioned to generate real change, and with global protocols and treaties unable to impact significant reforms, cities can have a meaningful global impact.
- Cities are the global centres of communication, commerce and culture. Therefore, cities are well-positioned to play a leadership role in driving global action to address climate change: what cities do individually and in unison, can set the agenda for a sustainable future.
- While cities only occupy 2% of the Earth's landmass, they contain over 50% of the world's population, use two-thirds of its energy and generate over 70% of global CO2 emissions.
- With 90% of the world's urban areas situated on coastlines, cities are at high risk from some of the climate change impacts, such as rising sea levels and powerful coastal storms.
- Although responsible for a huge part of the CO2 emission problem, cities also have the opportunity to be integral to its solution.
- City governments often have closer relationships with their businesses, residents and institutions than state and national governments, allowing new policies to be implemented quicker and decisively.
- Nearly all cities share the same challenges of energy waste and GHG emissions in water management, transport, public lighting, and more.

- Cities are the way forward. The work that the C40 Cities has already accomplished has been critical for reducing carbon emissions worldwide, but there is far more to be done.
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ADD ON FACT SHEET:

CLIMATE ACTION IN JOBURG

- South Africa's approach to climate change flows from the National Climate Change Response Policy or simply the Climate Change White Paper.
- The White Paper aims to reduce the rate at which climate is changing, especially reducing GHG emissions (mitigation), and responding to adverse effects of climate change (adaptation) which are universally accepted approaches in tackling climate change.
- The City of Johannesburg Climate Change Strategy is in line with these imperatives, aiming to reduce emissions through raising awareness initiatives, diversifying energy sources through renewables, enhancing energy efficiency, stimulating economic growth through green planning and development programs, and strategic adaptation interventions.

ABOUT THE CITY OF JOHANNESBURG

- The City of Johannesburg (CoJ) is the provincial capital of the Gauteng province, located approximately 550km south of South Africa's most northern part and 1,400km north of the southernmost tip.
- The City stretches over an area of 1,644sqkm, is one of the 50 largest metropolitan areas in the world, and is also the world's largest city not situated on a river, lake, or coastline. It is far inland from the coast with the nearest major harbour, Durban 600km to its southeast side.
- The City generates 16% of South Africa's GDP and employs 12% of the national workforce.
- As the African continent's leading business metropolis, tourism in Johannesburg pivots on business, and is therefore the most powerful commercial centre in Africa.
- Joburg's infrastructure matches leading first world cities, yet the cost of living is far lower.
- The City is recognised as the financial capital of South Africa and is home to 74% of corporate headquarters.
- South Africa is a medium-sized country, with a total land area of 1,219,090sqkm, measuring 1,600km from north to south, and roughly the same from east to west.
- South Africa is a nation of diversity with a variety of cultures, languages and religious beliefs.
- The Gauteng province is the wealthiest of the nine provinces in South Africa, having the largest economy of any metropolitan region in Sub-Saharan Africa.

- With only 1.4% of South Africa's land area, the tiny province of Gauteng punches way above its weight, contributing more than 33% to the national economy and a phenomenal 10% to the GDP of the entire African continent.
- South Africa's only stock exchange, the Johannesburg Securities Exchange (JSE) situated in Joburg's upmarket suburb Sandton, rates as one of the top 20 exchanges in the world in terms of market capitalisation.

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ABOUT C40 CITIES CLIMATE LEADERSHIP GROUP

- The C40 Cities Climate Leadership Group (C40) is a network of large and engaged cities from around the world committed to implementing meaningful and sustainable global climate-related actions.
- C40 takes vigorous action in addressing climate change by developing and implementing policies and programs that generate measurable reductions in both greenhouse gas (GHG) emissions and climate risks.
- The C40 takes decisive and immediate action on the creation of procurement policies and alliances to accelerate the uptake of climate-friendly technologies and influence the marketplace.
- The current Chair of the C40 is former New York City Mayor Michael R Bloomberg.
- C40 was created in 2005 by former Mayor of London Ken Livingstone. The network quickly grew to 40 cities, and thus the name C40 was born.
- Serving as C40's first Chair, Mayor Livingstone established the C40 Secretariat in London, set up the C40 Steering Committee and initiated the use of C40 workshops to exchange best practices amongst C40 Cities.
- In 2006, Mayor Livingstone invited the Clinton Climate Initiative (CCI) to become its delivery partner, greatly strengthening both organisations with a shared sense of purpose and an efficient support network for delivering world-class projects that optimise emissions reductions.
- In 2008, former Mayor of Toronto David Miller took over as C40 Chair. Under his leadership, the organisation advanced programs and partnerships that drew international recognition for the role of cities as leaders in climate action.
- Highlights of David Miller tenure include the Copenhagen Climate Summit for Mayors, the C40 Cities Mayors Summit in Seoul, both in 2009, and the launch of practical action initiatives for cities, such as the C40-CCI Climate Positive Development Programme and the Carbon Finance Capacity Building programme.
- The tenure of current C40 Chair, New York City Mayor Michael R Bloomberg began in November 2010 who leads the C40 together with the executive leadership team and steering committee.

- Key milestones in 2011 include the full integration of C40 with the CCI Cities Program by which C40 executives and staff are working in unison with CCI City Directors and programmatic teams to support climate action in cities.
- C40 was further strengthened in 2011 by a strategic and multi-year grant from Bloomberg Philanthropies, which helped to forge the closer alliance with the CCI Cities Program and position the combined effort as one of the preeminent climate action organisations in the world.
- During the C40 Cities Mayors Summit in Sao Paulo in 2011, the C40 announced new partnerships with the World Bank and ICLEI (Local Governments for Sustainability) to accelerate climate action in cities through streamlined financing, GHG accounting and uniform reporting.
- The release of two reports developed in collaboration with Carbon Disclosure Project (CDP) and ARUP, respectively, emphasised the critical role of measurement and transparency in tackling climate change in megacities.
- C40 continue to lead the way on mitigating the risks of climate change with innovative and effective projects.

The C40 steering committee consists of:

- Berlin, Germany - Governing Mayor Klaus Wowereit - Population: 4.3 million
- Buenos Aires, Argentina - Mayor Mauricio Macri - Population: 12.9 million
- Hong Kong, China - Secretary for the Environment KS Wong - Population: 7.06 million
- Houston, United States - Mayor Annise Parker - Population: 6.1 million
- Jakarta, Indonesia - Governor Joko Widodo - Population: 25 million
- Johannesburg, South Africa - Executive Mayor Mpho Parks Tau - Population: 7.2 million
- London, United Kingdom - Mayor Boris Johnson - Population: 7.8 million
- New York, United States - Mayor Michael Bloomberg - Population: 18.897 million
- Seoul, Republic of Korea - Mayor Park Won-soon - Population: 25.4 million
- Tokyo, Japan - Governor Naoki Inose - Population: 13.18 million

Current C40 Members

- **Megacities:** Addis Ababa, Athens, Bangkok, Berlin, Bogotá, Buenos Aires, Cairo, Caracas, Chicago, Delhi NCT, Dhaka, Hanoi, Ho Chi Minh City, Houston, Hong Kong, Istanbul, Jakarta, Johannesburg, Karachi, Lagos, Lima, London, Los Angeles, Madrid, Melbourne, Mexico City, Moscow, Mumbai, New York, Paris, Philadelphia, Rio de Janeiro, Rome, Sao Paulo, Seoul, Sydney, Tokyo, Toronto, Warsaw, and Washington DC
- **Innovator Cities:** Amsterdam, Austin, Barcelona, Basel, Changwon, Copenhagen, Curitiba, Heidelberg, Milan, New Orleans, Portland, Rotterdam, San Francisco, Santiago, Seattle, Stockholm, Vancouver, and Yokohoma
- **Observer Cities:** Beijing, Oslo, Venice, Republic of Singapore, Shanghai

Meaningful partnerships:

- The World Bank offers a single entry point for C40 cities to access World Bank climate change-related capacity building and technical assistance programs, and climate finance

initiatives. This 'one window' access helps city governments understand what World Bank resources exist and how to tap into them.

- The C40 partnership with ICLEI will establish a global standard for accounting and reporting community-scale greenhouse gas emissions that can be used across multiple platforms. It can help local governments accelerate their emission reduction activities, whilst meeting the reporting requirements of climate financing and national monitoring entities.
- C40 partnered with The Carbon Disclosure Project (CDP) in June 2011 to bring self-reported data from the world's largest cities into a comprehensive report on cities' GHG emissions and climate risk data. C40 believes that with better measurement comes better management. And with the right processes in place, cities can share strategic insights and reduce their exposure to climate risks and impacts.
- C40 partnered with Arup to deliver a series of workshops named C40 Urban Life, tailored to individual city's needs. Arup is an independent professional services consortium that delivers innovative and sustainable solutions in a broad range of disciplines. Using its Sustainable Integrated Development approach which addresses the interdependency of land use, energy, waste, water, transport, agriculture, buildings, economics and sociology, Arup delivered action orientated Urban Life workshops aimed at developing individual city's carbon reduction programmes.
- In 2011, C40 partnered with Arup to create the Climate Action in Megacities Report, a comprehensive analysis of what the mayors of the C40 megacities are doing to tackle climate change.

C40 & Siemens Climate Leadership Award Program:

- Each year, C40 awards the top ten cities that demonstrate leadership in their commitment to climate action.
- In 2013 there were over 30 finalists (of which CoJ was also one), and the winning city in each of the ten categories were announced on September 4, 2013.
- The categories include urban transportation, green energy, and sustainable communities, among others.
- Cities eligible for the award include all C40 cities and the 120 cities in the Green City Index' (GCI), a research project by Siemens and Economist Intelligence Unit.
- Munich won the Green Energy category at the 2013 inaugural C40 & Siemens City Climate Leadership Awards.

ADD ON FACT SHEET:

CITY of JOHANNESBURG ACTIONS ON CLIMATE CHANGE MITIGATION

- The City of Johannesburg (CoJ) is amongst the biggest emitters of GHG in South Africa mainly from industrial, transport and domestic activities.

- A number of initiatives geared towards transitioning the CoJ towards a low carbon economy have been conducted, including:
 - **Transport:** Implementation of the Rea Vaya Bus Rapid Transit System, the first ever for Africa which has displaced over 500 taxis and minibuses - used by over 50,000 patrons daily. With the full implementation of Bus Rapid Transit it is estimated that the City will save 1.6 million tons of carbon dioxide (CO₂) equivalent emissions by 2020.
 - **Existing Buildings:** Five municipal buildings have been retrofitted with energy efficient lighting with a total of 100 tons CO₂ saving. Another 104 municipal buildings have been identified to be retrofitted under a larger energy efficiency building retrofit programme that will include lighting, cooling, and heating systems.
 - **Waste To Energy:** Joburg has five landfill sites, Marie Louise, Robinson Deep, Ennerdale, Linbro Park and Goudkoppies. Since the start of the flaring of methane gas at Robinson Deep landfill site, the daily pumping of landfill gas is at 1500 cubic meters per hour and should rise to 3000m³ when the flare is operated at full capacity. This translates into 5MW of renewable electricity which will provide power to around 4000 houses reducing the greenhouse potential of landfill gas by approx 149,000 tons of CO₂ per annum. The aim is to produce approximately 19MW of electricity which can supply 12,500 medium-sized households in the next 20 years and beyond.
 - **Outdoor Lighting:** The Nelson Mandela Bridge has been retrofitted with 60 street lights of 9 watts of light emitting diode (LED) which replaced 150 watts metal halide gas lights in order to save energy and thereby saving costs. City Power also switches off the lights at Nelson Mandela Bridge, Queen Elizabeth Bridge, Orlando Stadium and Orlando West Regional Park during 'Earth Hour' as a symbolic gesture to address Climate Change.
 - **Greening:** Joburg has made significant progress with its greening programmes. This includes the 200,000 trees that have been planted since 2006. The project largely complemented the award winning Greening Soweto campaign aimed at developing and upgrading world-class parks in areas such as Soweto, Orange Farm and Cosmos City. These projects have led to an improvement in air quality in the city, and have acted as a catalyst in developing civic ownership, resulting in a decrease in littering, vandalism and dumping in parks. Furthermore, there has been rehabilitation of the southern catchments, park developments in disadvantaged areas, and the provision of green servitudes and ecological assessments of the City's catchments.
 - **Human Settlements:** Cosmo City Climate Proofing Project which involves the provision of low pressure solar water geysers to over 1000 low income households including the provision of energy efficiency lights and planting of fruit trees. The solar geyser programme has been extended to other areas of the CoJ through the City Power Solar Water Geyser Programme (SWHP). The SWHP was launched in October 2012 and is aimed at rolling out 110 000 geysers to poor and low income households over three years.
 - **Actions on Climate Adaptation:** A Joburg Climate Change Adaptation Plan (CCAP) was completed in 2009. Adaptation initiatives that have emanated from this Plan include a Vulnerability Assessment and Risk Management Plan, Flood modelling for flood prone areas and disaster response. The CCAP was one of only 29 projects globally nominated for the C40 & Siemens Climate Leadership Award in August

2013. Guided by the CCAP, the city is mapping flood prone areas, developing early warning systems, and raising awareness in vulnerable communities.

- **Food and Agriculture:** Overconsumption of processed foods has led to over consumption of fossil fuels. Organic food gardens produce fewer GHG and are better for the environment and health. Organic food gardens are started at schools and communities. Prior to starting up the organic food garden youth and communities are trained to develop and sustain the garden thereby alleviating poverty. This project also allows community members to generate income through the production and sale of vegetables. A total of 30 vegetable gardens were developed within the City predominantly in schools, between 2010 and 2011.