

Leadership for Sustainability

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Leadership for Sustainability

Dr Brad Pettitt

- 
- **A sustainable planet will require extraordinary change**
 - **Extraordinary change requires extraordinary leadership**

New York

An extraordinary sustainability
leadership story



- New York in the 1970 and 80s was in decline - better known for its
 - high crime rate and gangs,
 - terrible traffic, pollution and broken subways
 - Collapsing Neighborhoods and neglected parks.



Mayor Bloomberg - his leadership in creating a more sustainable city has radically changed New York City



- Revitalized parks and plazas
- Road diets and cycle ways
- Public transit investment
- Energy efficient buildings



New York's Parks



Bryant Park



Free public WiFi and free café style chairs and small round tables for people meet and eat and work



Free public ping pong



Over 30 plaza/park projects are currently underway

- **These renewed parks are so popular now hard to find a free chair on which to sit.**



Road diets



Times Square

An area once dominated by automobiles has been given “Urban Acupuncture”



Times Square

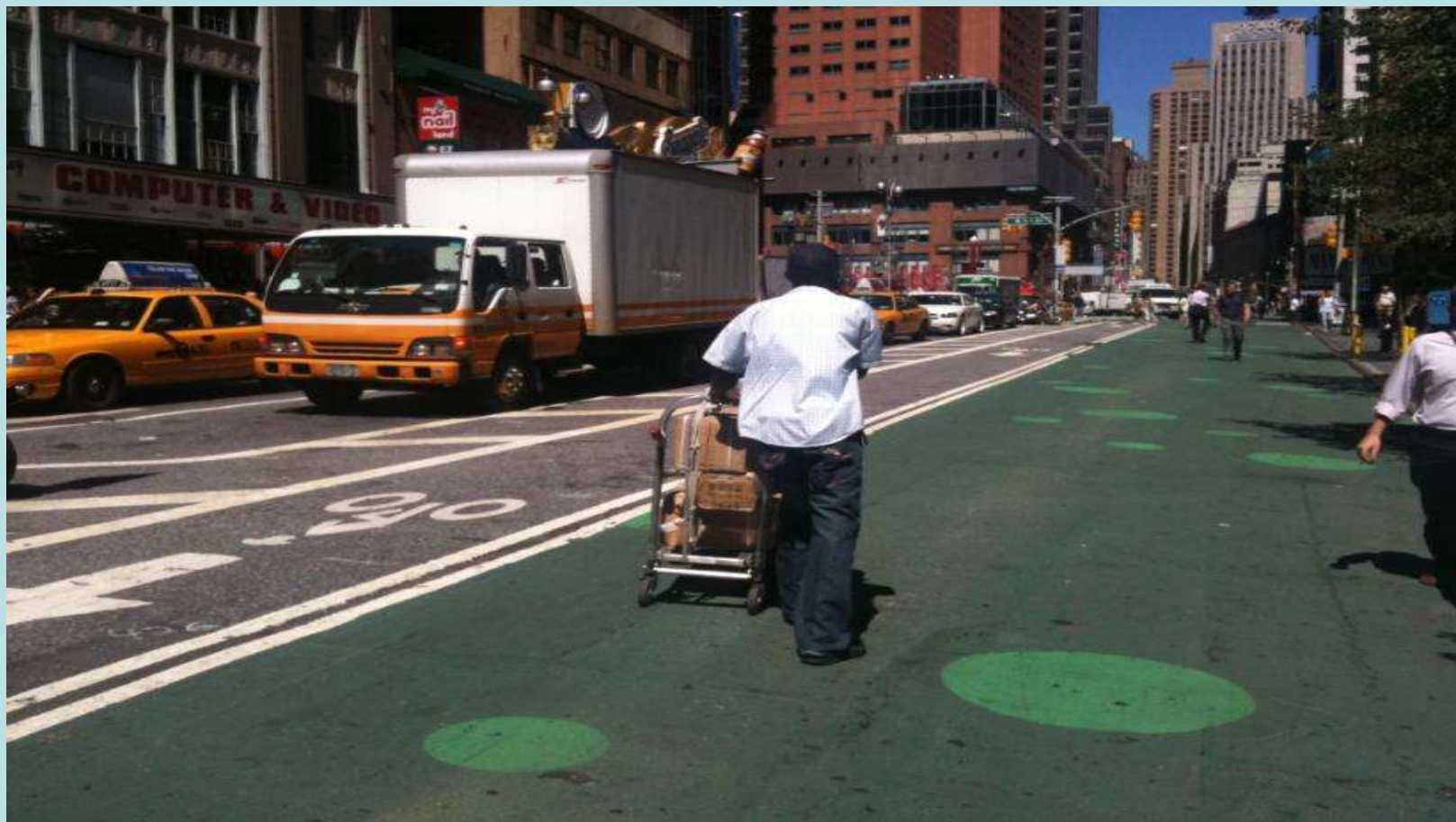
Now over 350,00 pedestrians everyday



1 and a half football fields of new pedestrian space











New York (Bike) City



- The doubling of the bike network since 2006 to 300km of bike lanes
- more than 12,500 daily commuter cyclists into the Manhattan CBD-
- a massive 35 percent increase.





\$US22billion in new rail and subway
investments currently underway



Green buildings

- New York City has adopted some of the most aggressive green building legislation in the country, including requiring ongoing energy efficiency upgrades in existing buildings.
- USGBC has named Mayor Bloomberg a recipient of its 2011 Leadership Award





Million Trees NYC



- Public-private program with an ambitious goal: to plant and care for one million new trees over the next decade.



Greenhouse

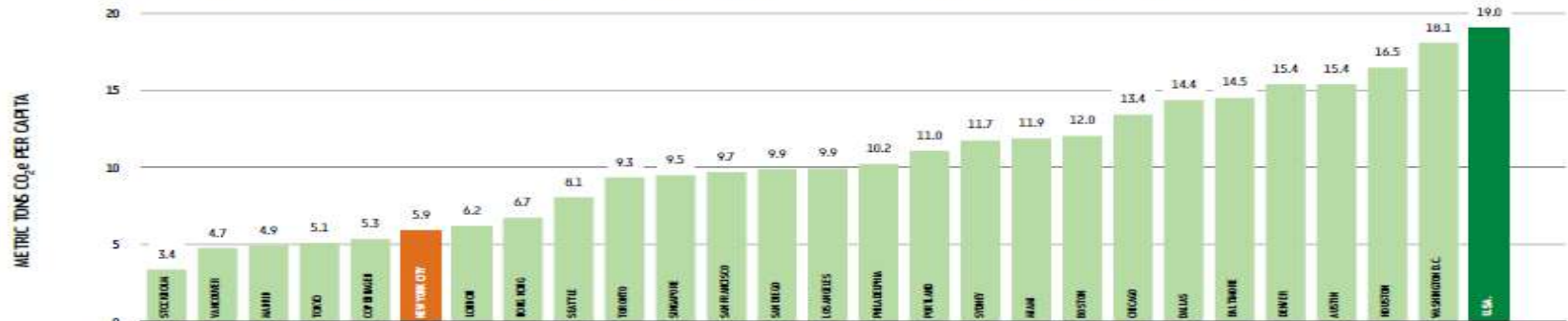
- Through PlaNYC - NYC's greenhouse gas emissions reduction targets are based: a 30% reduction in emissions below 2005 levels by 2030



GHG EMISSIONS COMPARISONS

When compared to other large cities in the United States and abroad, New York City has one of the lowest per capita carbon emissions levels and the lowest of any large American city.

Figure 1: Per Capita Greenhouse Gas Emissions for U.S. and International Cities (excluding Agriculture and Non-Local Processes*)



* City greenhouse gas inventories do not typically include all sources of emissions included in the U.S. greenhouse gas inventory, including emissions from agriculture, chemical production, fossil fuel extraction and refinement, cement production, and other industrial sources. To allow for comparability between city and U.S. per capita GHG emissions, the U.S. per capita GHG emissions have been reduced by 2.3 metric tons per person, which, based on the U.S. GHG inventory, is the U.S. per capita share of GHG emissions from sources not accounted for in city inventories. Per the Kyoto Protocol, national inventories do not include emissions from aviation and shipping. Accordingly, city inventories also exclude these emissions sources.

Sources: U.S. EPA, Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2008 (April 2010); city greenhouse gas inventories: New York City Mayor's Office of Long-Term Planning and Sustainability analysis.

Cities matter



<http://sustainablecities.dk/en>

“At the end of the 20th Century, humanity is involved in an unprecedented experiment: we are turning ourselves into an urban species... The cities of the 21st Century are where human destiny will be played out, and where the future of the biosphere will be determined. ”

Girardet (2006)

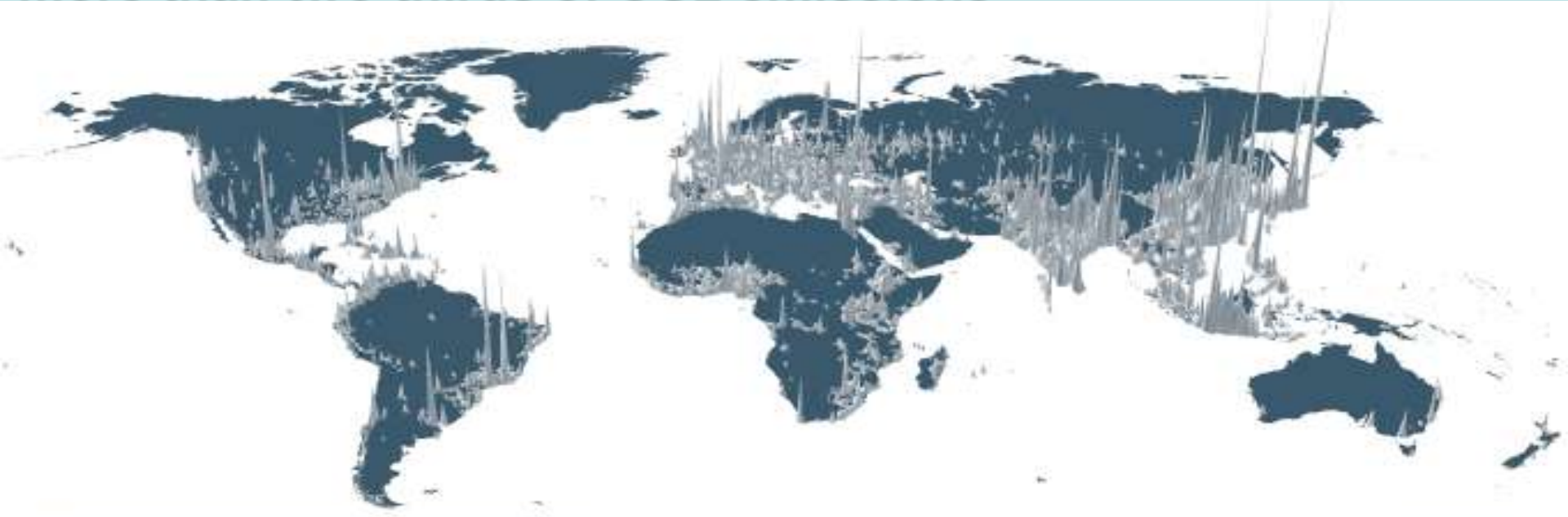
World Population living in Urban Areas, 1970-2030 by Region

	urban share (%)			urban population (million)		
	1970	2003	2030	1970	2003	2030
More developed	67.5	74.5	81.7	677	896	1,015
Africa	23.0	38.7	53.5	84	329	748
Asia (ex. Japan)	21.0	37.9	54.0	428	1,399	2,576
Latin America	57.4	76.8	84.6	163	417	602
Oceania (ex. Australia, N.Z.)	18.0	24.0	32.0	1	2	4
World	36.6	48.3	60.8	1,353	3,044	4,945

Neilson (1999) and UN Population Division (2004)

The World's Population is now mostly urban

Cities occupy 2% of the world's land mass yet contribute more than two-thirds of CO2 emissions



SOURCE: LANDSCAN-GLOBAL POPULATION DATABASE, OAK RIDGE NATIONAL LABORATORY

MAP BY TIM GULDEN

http://creativeclass.com/whos_your_city/maps



New York City is showing strong sustainability leadership but Mayor Bloomberg's team are not alone.

As chair of the C40 Cities Climate Leadership Group, Mayor Bloomberg is strengthening the ability of the largest cities around the world to adopt and implement similar, innovative sustainability policies

A photograph of a city street, likely in New York City, featuring the iconic Flatiron Building as the central focus. The building is a tall, triangular-shaped structure with many windows. To its left is a modern building with a glass facade and a large green billboard featuring a panda. To its right is another tall building with a classical architectural style. The street is filled with cars and traffic lights, and the sky is a clear, pale blue. The text "Leadership: having a vision to do it differently and then drive that vision through" is overlaid on the right side of the image in a large, black, sans-serif font.

Leadership:
having a vision
to do it
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Thanks

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Lessons for Sustainability Leadership

- Have a strong team to work with,
- be positive and seek out win/wins,
- see and live the vision - set the example,
- establish trust and do your research,
- be curious and creative and pick the low hanging fruit ,
- have courage and take risks,
- celebrate your wins big and small.

References

- Bob Doppelt, 2003. Part I: Why Some Organisations Succeed and Others Fail. In *Leading Change Toward Sustainability: A change-management guide for business, government and civil society*. Greenleaf Publishing: Sheffield.
- Australian Public Service Commission, 2007. *Tackling Wicked Problems: A public policy perspective*. Commonwealth of Australia: Canberra.
- Joseph Jaworski, 1996. *Synchronicity: The Inner Path of Leadership*. Ed Betty Sue Flowers. Berret-Koehler Publishers: San Francisco.
- Mary Uhl-Bien, Russ Marion & Bill McKelvey, 2007. Complexity Leadership Theory: Shifting leadership from the industrial age to the knowledge era. *The Leadership Quarterly* 18 (2007) 298-318.
- Fernando Bosco, 2001. Place, space, networks and the sustainability of collective action: Madres de Plaza de Mayo. *Global Networks* 1 (4) 307-329.
- Richard P. Nielsen, 1998. Quaker Foundations for Greenleaf's Servant Leadership and "Friendly Disentangling" Method. In Larry C. Spears (ed), *Insights on Leadership: Service, stewardship, spirit, and servant-leadership*. John Wiley & Sons, Inc: New York, Chichester, Weinheim, Brisbane, Singapore & Toronto.