

PROMOTING COOPERATION FOR SUSTAINABLE URBAN DEVELOPMENT

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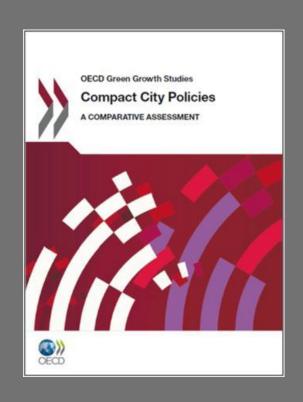
Key message:

Integrated, metropolitan-wide policy approach for urban sustainability

- 1. Experience in OECD cities: compact city policies
- 2. Urban green growth in dynamic Asia
- 3. OECD work on metropolitan indicators



COMPACT CITY POLICIES



OECD (2012), Compact City Policies: A Comparative Assessment, OECD Green Growth Studies, OECD Publishing.

http://dx.doi.org/10.1787/9789264167865-en

Also visit our website:

www.oecd.org/gov/regional-policy/compact-city.htm



The concept of compact City

Dense and proximate development patterns

- Urban land is intensively utilised
- Urban agglomerations are contiguous or close together
- Distinct border between urban and rural land use
- Public spaces are secured

Urban areas linked by public transport systems

- Effective use of urban land
- Public transport systems facilitate mobility in urban areas

Accessibility to local services and jobs

- Land use is mixed
- Most residents have access to local services either on foot or using public transport

- ... not at a city scale (in an administrative term), but at the **metropolitan** scale.
- ... not only for small- and medium-sized cities, but it is relevant to **cities of all sizes**, even to mega-cities!



Compact city policies' contribution to urban sustainability

Compact city policies can generate **synergistic** impacts:

Compact city characteristics	Environmental benefits	Social benefits	Economic benefits
Less	– Fewer CO2	 Lower transport costs 	Development of
automobile	emissions	- Higher mobility for people	green jobs/
dependency	Less pollution	without access to a car	technologies
	from automobiles	– Improved human health due	
		to more cycling and walking	
Shorter intra-	– Fewer CO2	Higher mobility of low-income	Higher productivity
urban	emissions	households, due to lower travel	due to shorter travel
distances	 Less pollution 	costs	time for workers
	from		
	automobiles		
More efficient	-	Public service level for social	Lower infrastructure
public service		welfare maintained by improved	investments and
delivery		efficiency	cost of maintenance

Source: OECD (2012), Compact City Policies: A Comparative Assessment

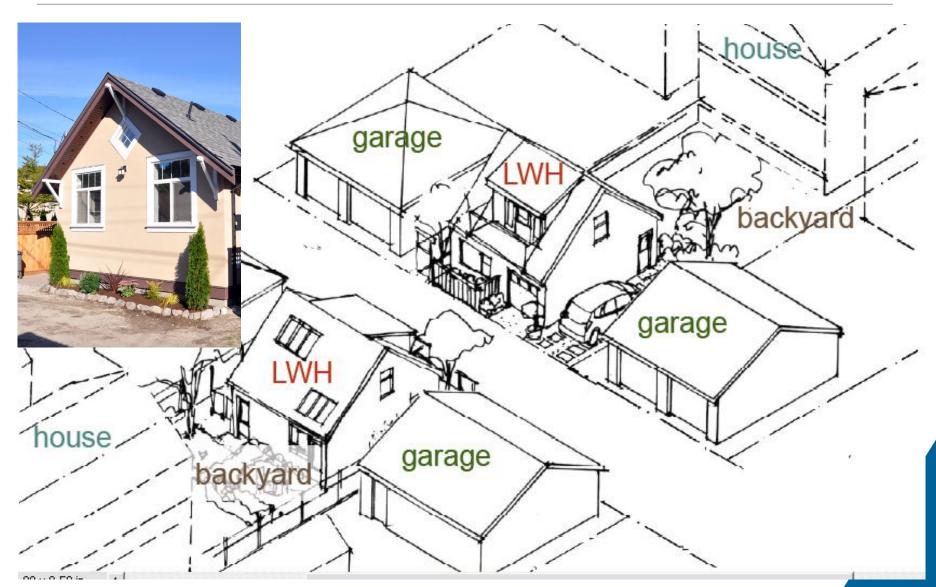


- 1. Set explicit compact city goals
- 2. Encourage dense and contiguous development at urban fringes
- 3. Retrofit existing built-up areas
- 4. Enhance diversity and quality of life in urban centres
- 5. Minimise adverse negative effects



Policy complementarity:

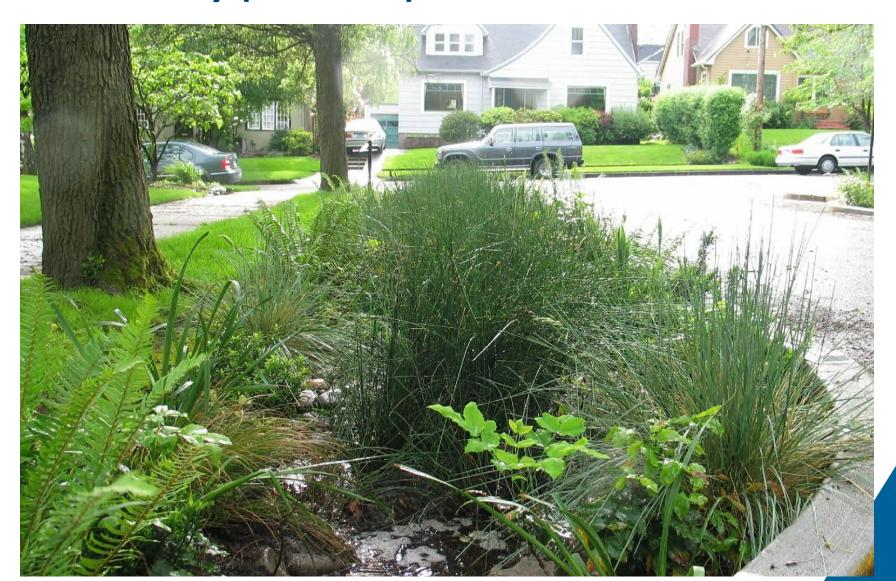
Densification + affordability (Vancouver)





Policy complementarity:

Storm water + heat island + perceived density (Portland)





OECD GREEN CITIES PROGRAMME:

URBAN GREEN GROWTH IN DYNAMIC ASIA



OECD's Green Cities Programme (2010 –)

- Conceptual framework (2011)
- Case studies (2011-12)

City-level National-level

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Paris (2011) Korea (2011)
Chicago (2011-12) China (2012)
Kitakyushu (2012)
Stockholm (2012)
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- Synthesis report: Green Growth in Cities (2013)
- Next step: extending the scope to cities in developing countries



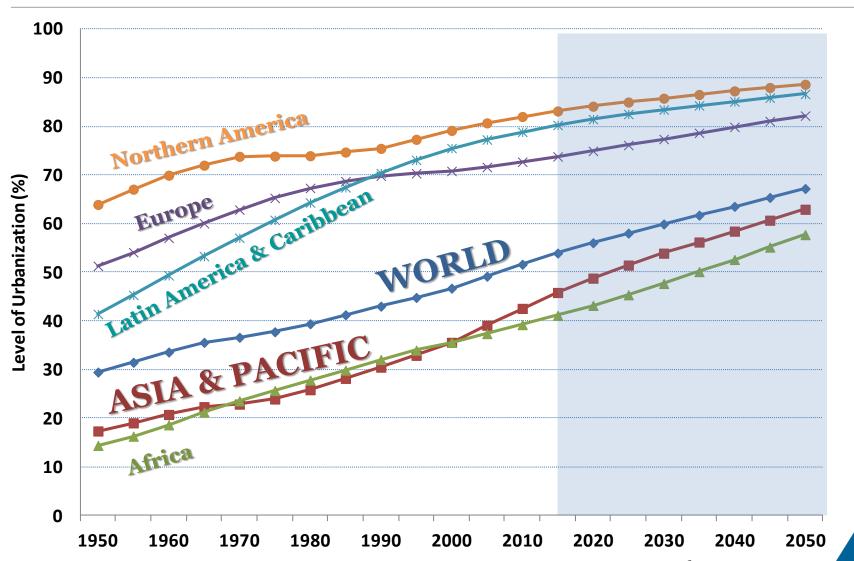
Economic growth, consumer behaviour and greening of cities

- Income growth raises demand for:
 - personal living space
 - personal mobility
 - energy consuming appliances (air conditioning, etc.)
- How to de-couple income growth and GHG emissions?
- How to accelerate necessary actions at an earlier stage of income growth and minimize the environmental consequences?



Dynamic growth in Asia:

Urbanising fast, but still a long way to go ...

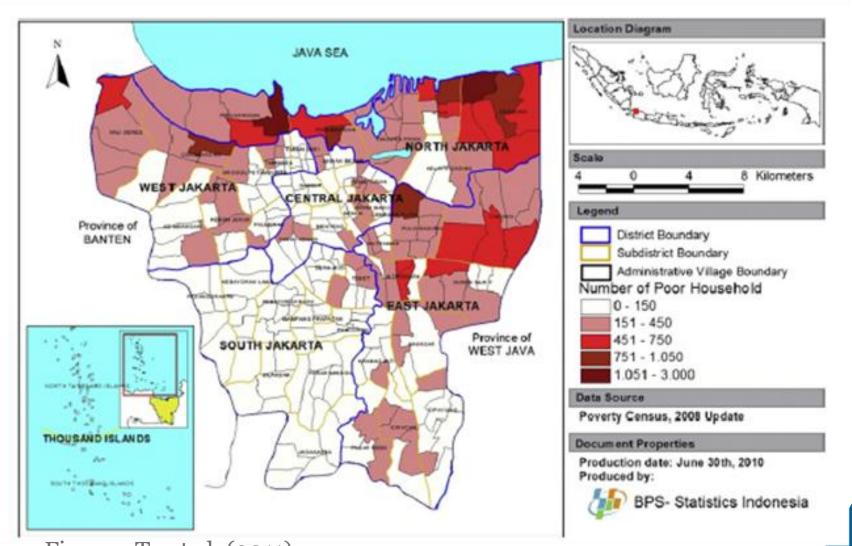


Source: ADB (2012), Key indicators for Asia and the Pacific 2012, 3rd Edition.



Global and local environmental risks:

Vulnerability to climate change

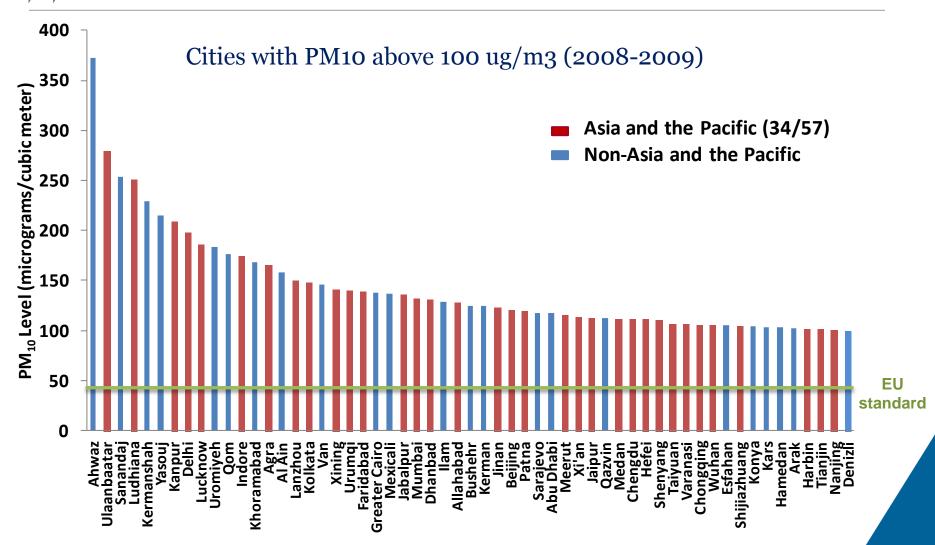


Source: Firman, T., et al. (2011)



Global and local environmental risks:

Human health threatened by poor air quality



Source: ADB



Cities under current investigation



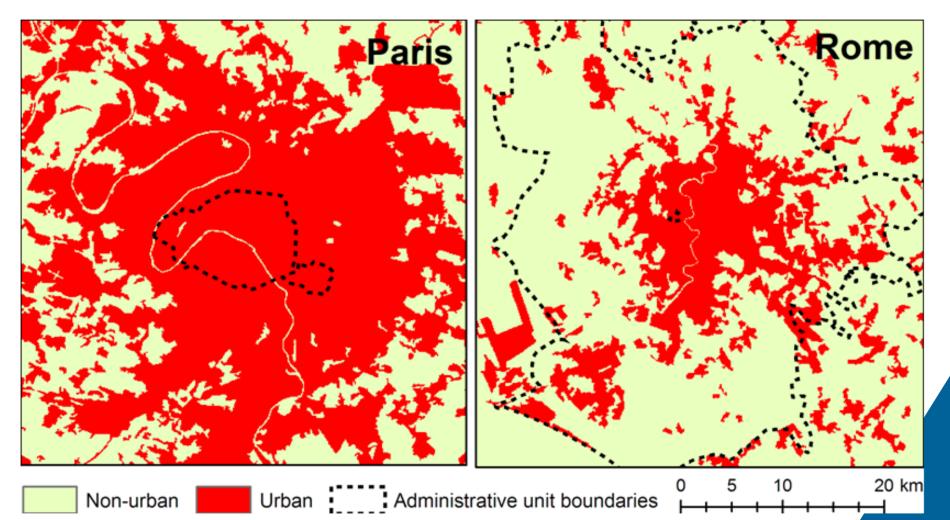


KEY INDICATORS TO MONITOR POLICY PERFORMANCE



Shifting towards Functional regions

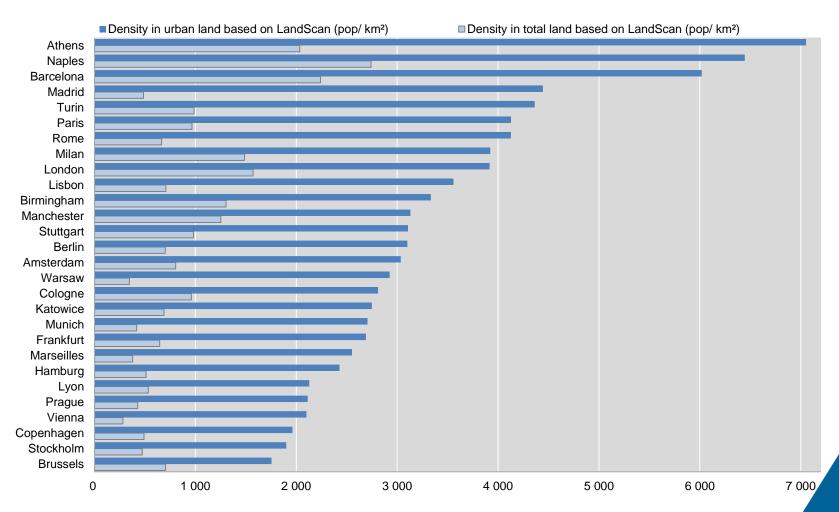
Urban areas vs. administrative cities





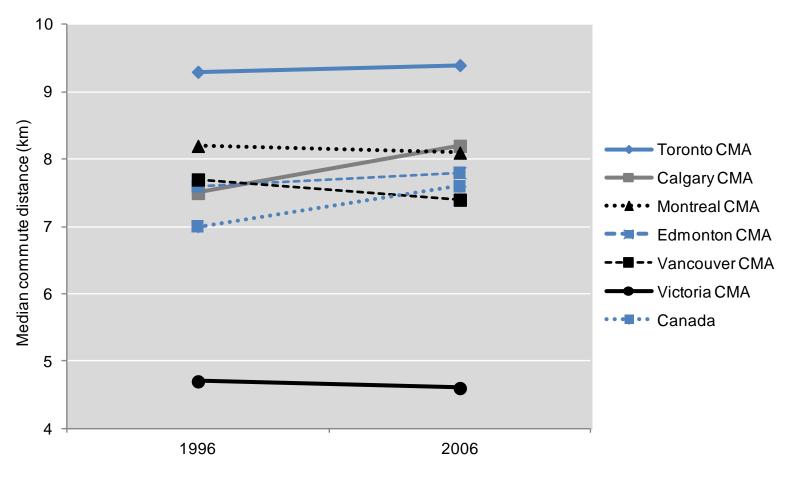
Population density on urban land

Density in 28 metropolitan areas in Europe



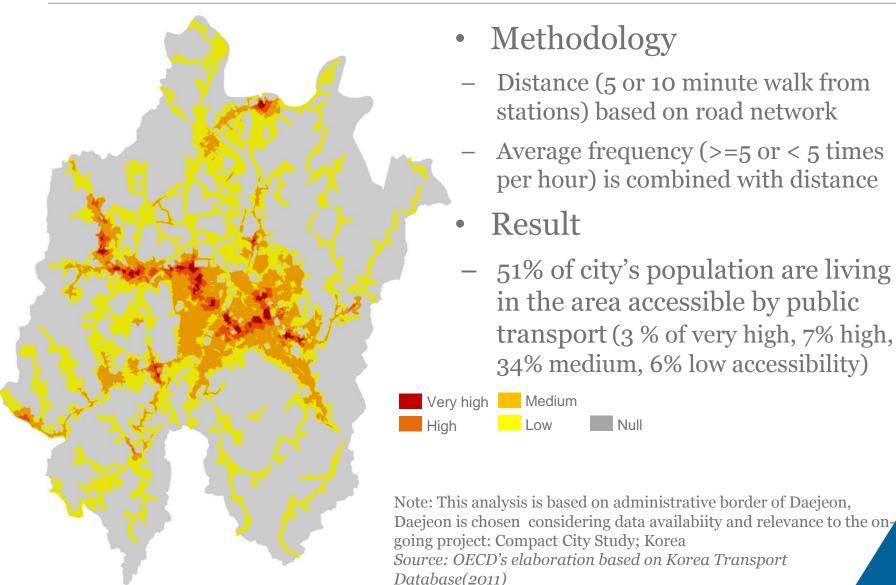
Median commute distance

for selected metropolitan areas in Canada, 1996-2006





Accessibility to public transport





OECD Metropolitan Database: a tool for policy-making

Interactive maps and data on metro areas http://measuringurban.oecd.org/

