

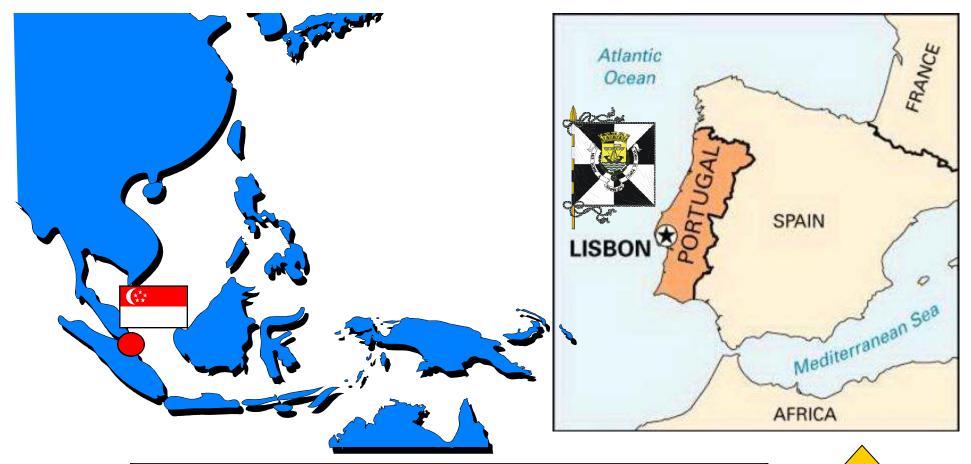
Building Sustainable Cities: The Singapore Experience

Speaker Mah Bow Tan Minister for National Development, Singapore

> ISOCARP Congress Portugal, 20 October 2009

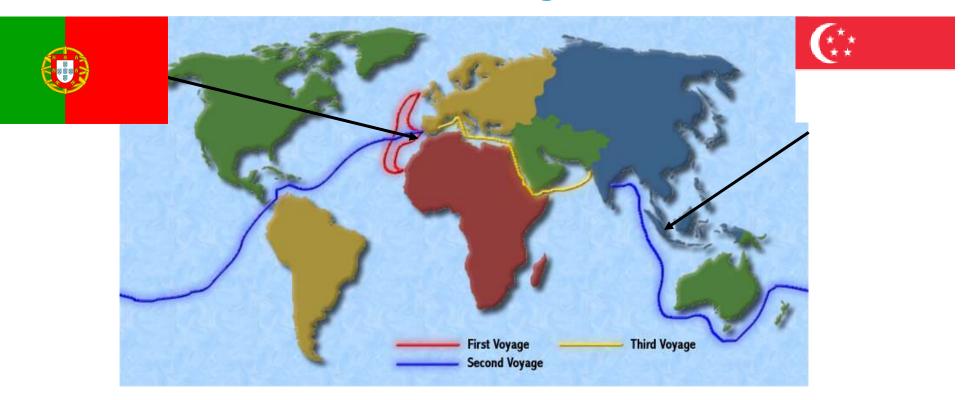


Singapore: Our Unique Circumstances



	Singapore	Lisbon Metropolitan Area	SG is 4x
Land Area	707 sq km	2,957 sq km	smaller but 8x more
Population	4.99 mil	2.6 mil	dense
Population density	7,058 pax/ sq km	895 pax/ sq km	

Our historical links with Portugal





Cities and Sustainable Development



Urban population grows exponentially

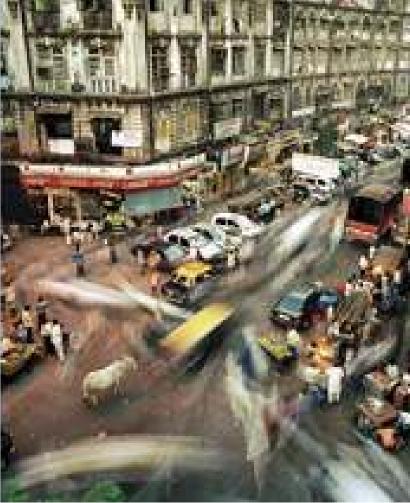


Tackling the urban challenges in Cities

- Half of the world's population
 - Consume about 75% of the world's energy
 - Emit about 80% of the world's green house gases

- "Cities and Climate Change Initiative: Conference Report, Oslo, 17 March 2009", Opening Statement by Dr Anna Tibaijuka (Executive Director, UN Habitat)





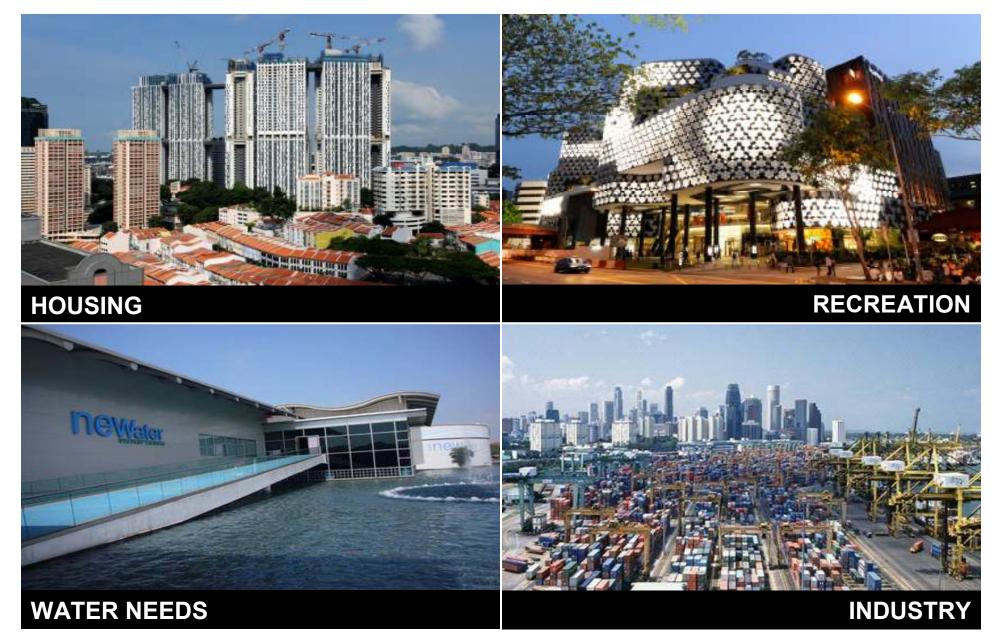
Cities bring new solutions through innovation for a Sustainable Future



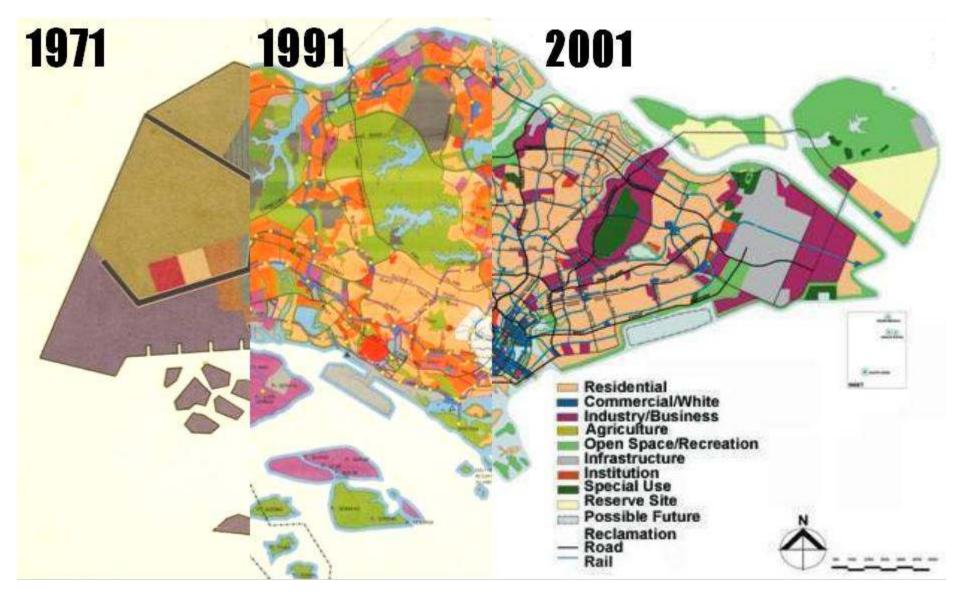
Sustainable Singapore



Needs of our city



Long Term, Integrated Planning through Concept Plan



Industrialize in a sustainable way



Diversified water sources



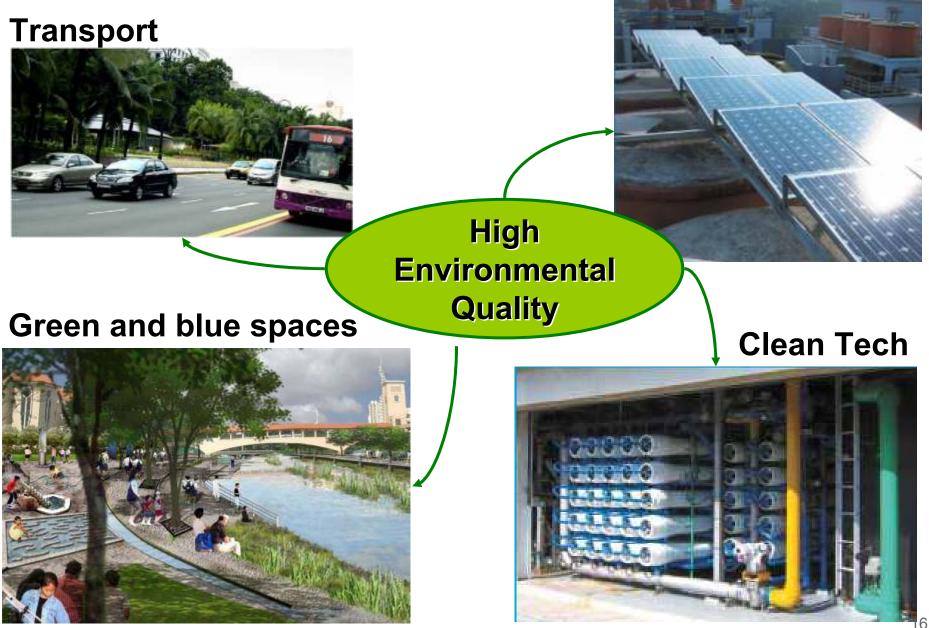


Strict Pollution Controls on Industries



Invest to maintain high environmental quality

Solar



A Lively and Liveable Singapore



Reducing Carbon Footprint of our City

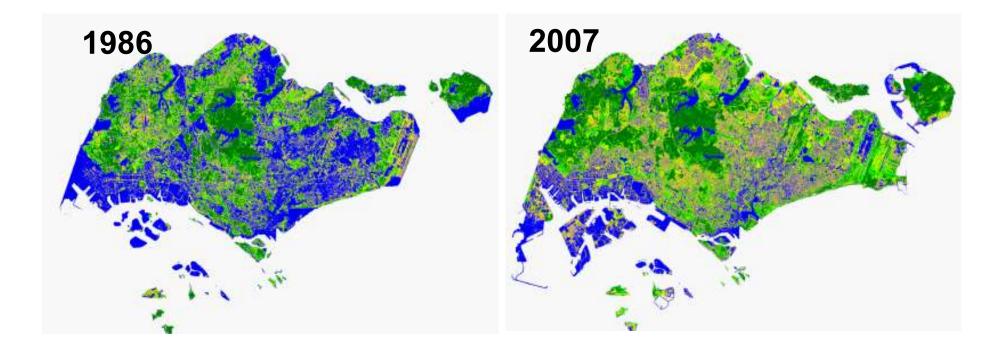


Preserve and intensify greenery in our city



Growing our Green Cover

Between 1986 and 2007, despite a **68%** population growth from 2.7 mil to 4.6 mil...Our **green** cover grew from **35.7% to 46.6%**.



Transport Connectivity



Encourage Public Transport, Cycling and Walking



A Living Lab: Sustainable Districts & Urban Planning



Eco-Precinct: Designing for Green



Next generation Eco-Living



•Environmentally friendly design features



• Cycling network to encourage healthy lifestyle





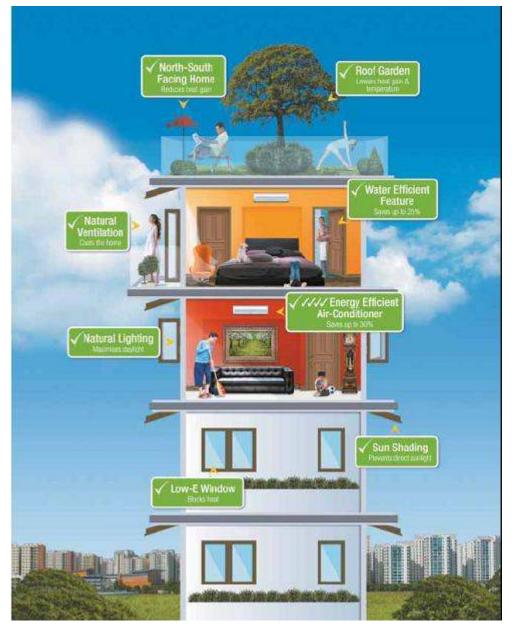
•Harness solar energy

•Extensive greenery to reduce heat gain

Improve Energy Efficiency by 35% by 2030



Green Mark Buildings



Features of a Green Mark Building

Adopt energy efficient designs, processes and technologies



Empower Consumers



\$30mil solar test-bedding project



Engaging the Community to adopt Low Carbon Lifestyle



Educate and Engage the Youth





Partnership across Borders





CENTRE for LiveableCities SINGAPORE







Lee Kuan Yew World City Prize







THANK YOU

