

# Sustainable Urban Development in Sri Lanka



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## Introduction - Sri Lanka

Area	65,610 sq km
Population	20.27 mn
Population Growth	1%
Population Density	323 per sq.km
GDP (nominal)	US \$ 64.9 bn
GDP per capita	US \$ 3,139
HDI	0.691
Literacy Rate	91.9 %
Safe Water coverage	90 % of households
Houses with Electricity	91%
Life Expectancy	74.9 years

# Sustainable Urban Development

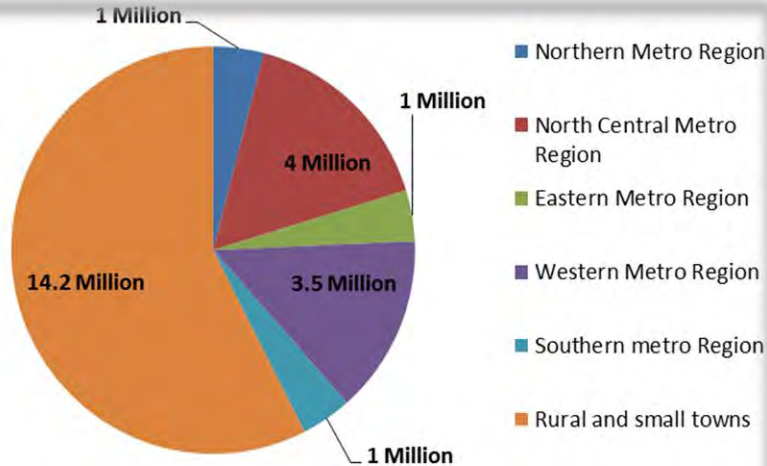
- Sri Lanka ranks the 36<sup>th</sup> position in terms of population density in the world and 12<sup>th</sup> in Asia.
- Around 35 percent of the population lives in urban areas.
- The current annual average rate of urbanization is 0.3 percent and it will increase to 3-4 percent by 2030.
- Accordingly, 60 percent of the population will live in urban areas by 2030.
- Thus with the rapid pace of economic growth and its complex transaction in cities and population density will continuously increase in the future.
- Considering economic opportunities and environmental effects 5 regions have been identified as the Metro regions.
- Each region consists of unique socio, economical and geographical characteristics.
- Future population could move from fragile areas to Metro regions too.

# Issues in Urban Development

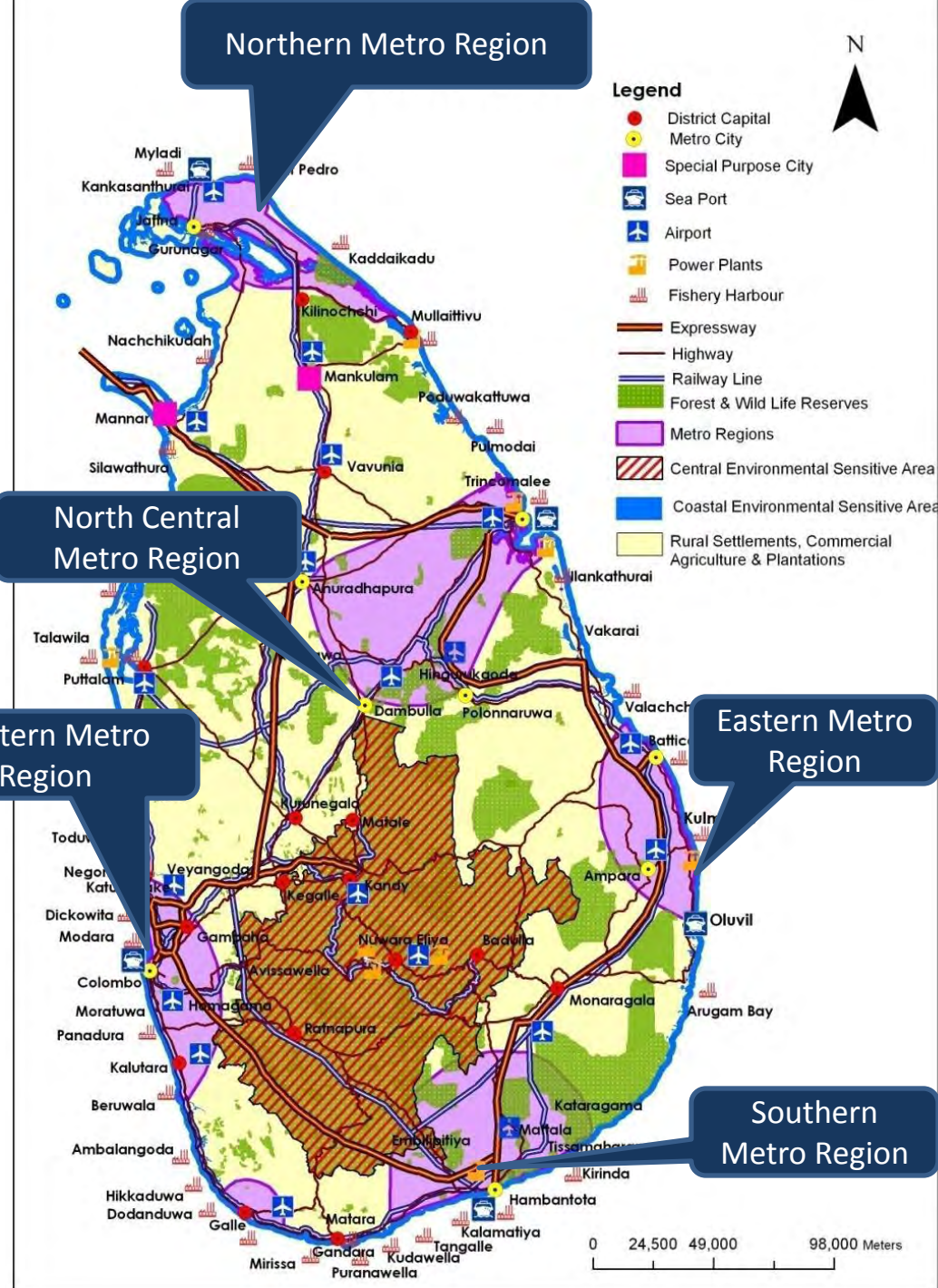
- Chaotic urbanization
- Shanty areas
- Adhoc construction
- High population density
- Frequent flooding due to drainage issues



# Sri Lanka in 2030



**“ Colombo City and other key cities will be improved to be on par with environment friendly modern cities in middle income countries while also establishing such cities as commercial hubs in South Asia” - ( Mahinda Chintana 2010, p. 19)**



# Urban Renewal Regeneration Programs



## ***Metro Colombo Urban Development Project***

- ***Flood Mitigation***
- ***Beautification***



## ***Offshore city in Colombo***

- ***Tourism***
- ***Employment***
- ***Commercial and financial Sectors***
- ***Luxury housing***

## ***Hambantota Growth Center***

- ***Airport***
- ***Port***
- ***Oil refinery***
- ***Industrial Estates***
- ***Power stations, Convention centre***



# Other Programs

- Relocation of underserved settlements
- Releasing land for property development  
(High-end hotels, residential and office spaces, shopping malls)
- Small Township Development

## Green Initiatives

- **Solar powered street lighting**
- **Green Buildings (Energy Efficiency)**
- **Green Areas and Cycling Pathways**
- **Waste Management**
- **Urban Forestry**







# **Colombo Green Growth Program**

**Objective: To transform Colombo to a low carbon and green city**

**Funded by : World Bank**

**Components:**

- Global City Indicators Program**
- Green House Gas Index**
- Rapid Assessment Framework**
- City-based Vulnerability Assessment**
- City Climate Change Action Plan**

**Sectors Involved : Water, Energy, Waste, Transport, Urban  
Forestry**

**Implemented over 10-15 years**

# Technology Needs

***New technologies and practices to reduce carbon emission and promotion of green city.***

- Establish urban forests
- Efficient solar power street light system
- Technologies to harvest the natural light
- Energy serving technologies
- Waste management

Thank you.