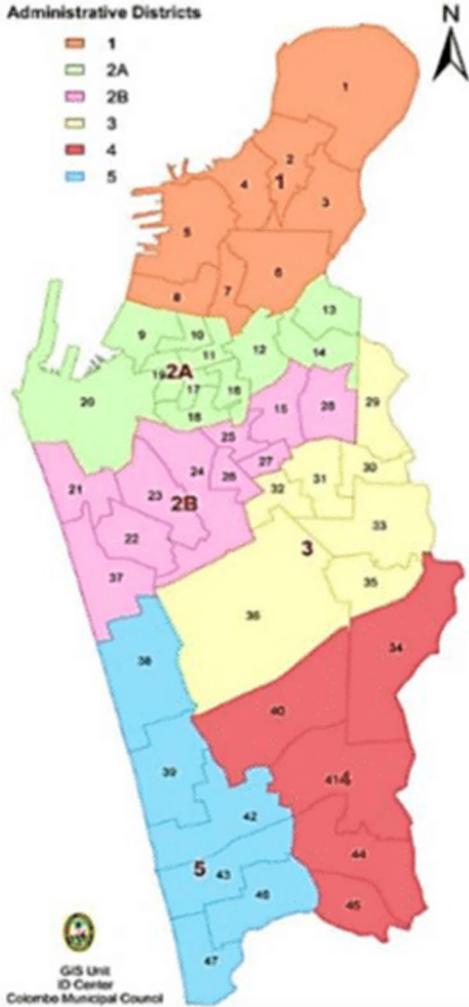




International Training WS on Smart Cities
Colombo Municipal Council
Eng. A.D.S. Rohana – Director Engineering Works

Colombo municipal Council



Area ha

Municipal Wards

Resident Population

Population Density / Km²

City of Colombo

Major Issues

Political will

Finding new avenues of increasing revenue;

Recruitment of staff with proper skills and competencies;

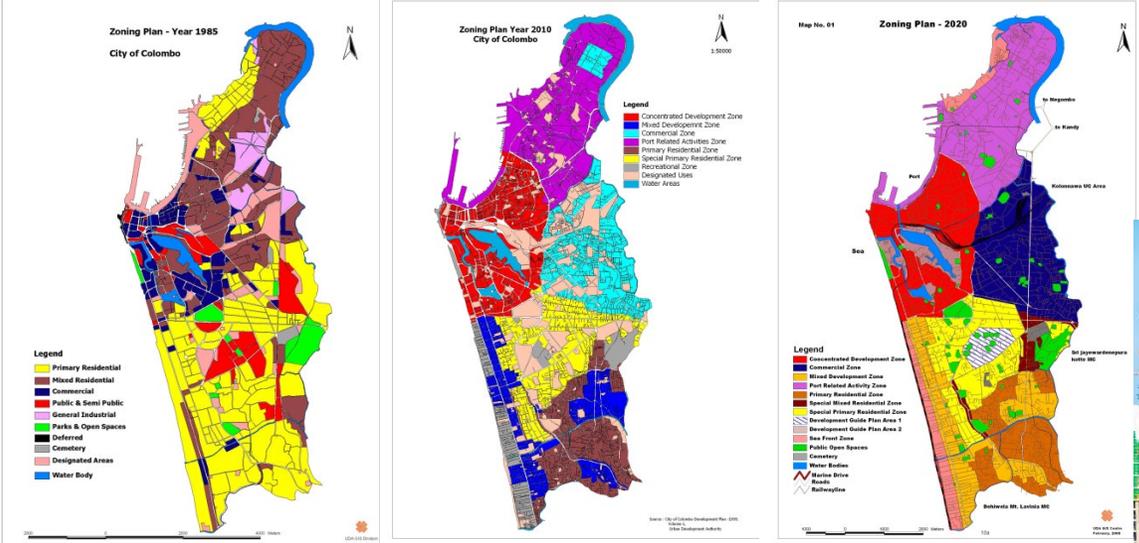
Establishment of a productive administrative system;

Amendment of the Acts and by-laws to suit present conditions;

Implementation of the Development plan;

Development of IT based Information Management systems

Urban design and development



Zoning plan variation in Colombo for 1985, 2010 and 2020

Transport and Mobility

Vehicle Occupancy Rate – 2.2

Travel speed – 8 Km/h (Peak time)

❖ We need to increase floating population while decreasing number of vehicles on roads



- Reduce the price of a bicycle providing tax incentives purchasing bicycles (Ministry of Finance)
- Address to road safety issues for cyclist (Infrastructure developments)
- Creating bike-friendly zones and cycle renting places.
- Offering subsidies for bike maintenance. Implementing Cycle repair stations in selected locations.

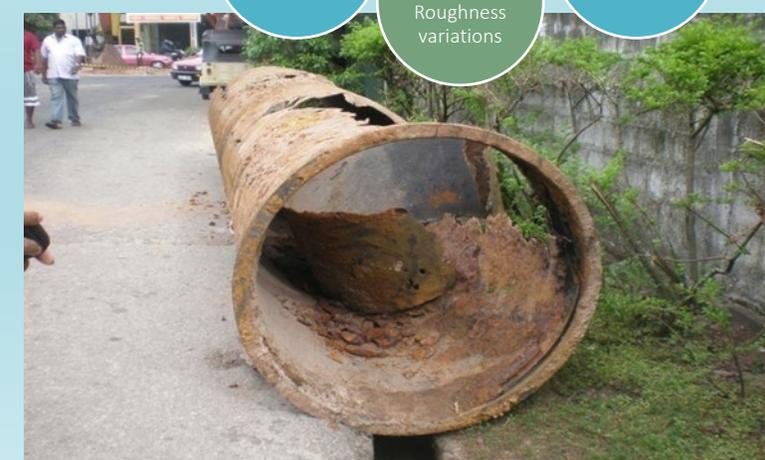
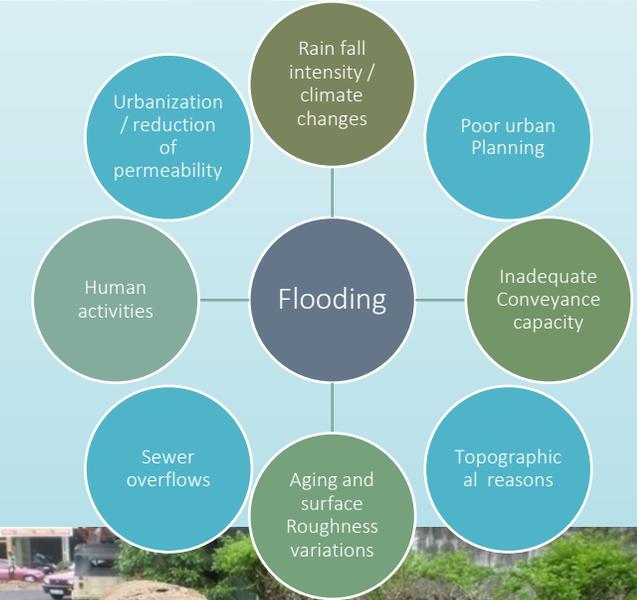


Flood risk and hazard

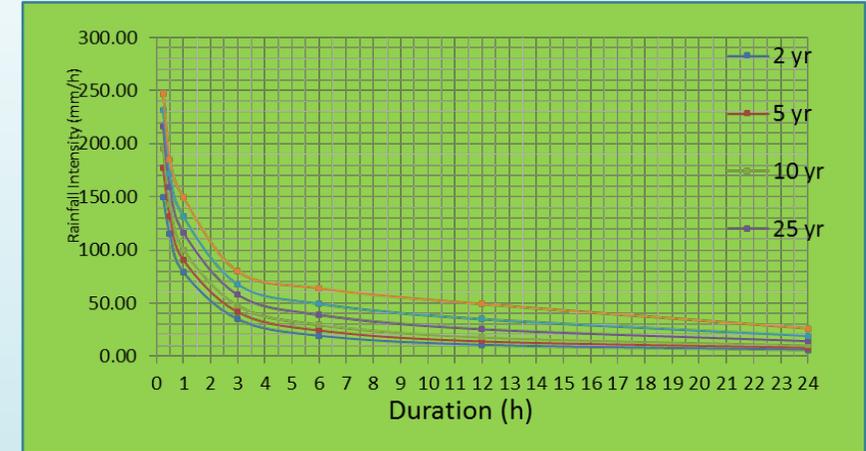
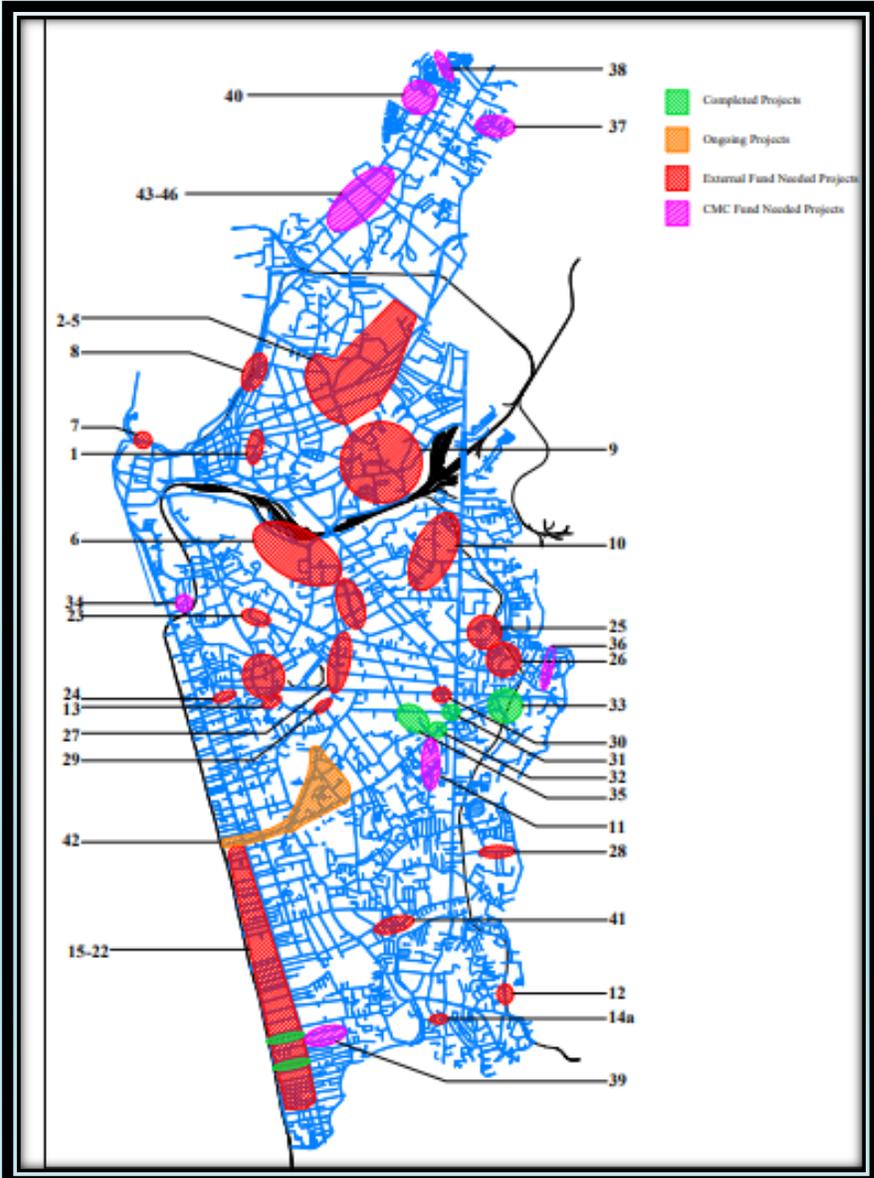


	Average rainfall mm		Average rainfall mm
Europe		North America	
Rome	584	New York City	1199
London	737	Washington DC	1041
Paris	635	Miami	1524
Berlin	584	Los Angeles	378
Frankfurt	635	New Orleans	1600
Zurich	1080	Atlanta	1270
Bergen	2075	Phoenix	193
Amsterdam	787	Seattle	1016
Milan	991	Chicago	864
Madrid	432	Dallas	940
Dublin	737	Boston	1074
Edinburgh	660	Toronto	762
		Vancouver	1107
		Juneau	2286
Asia		South America	
Tokyo	1524	Sao Paulo	1397
Shanghai	1143	Buenos Aires	983
Beijing	635	Lima	5
Tel Aviv	533	Caracas	838
Hong Kong	2210		
Singapore	2273	Africa	
		Calcutta	1600
		Dubai	102
		Dhaka	1981
		Colombo	2348
		Cairo	25
		Nairobi	1016
		Cape Town	612

Colombo 2348



Flood risk and hazard



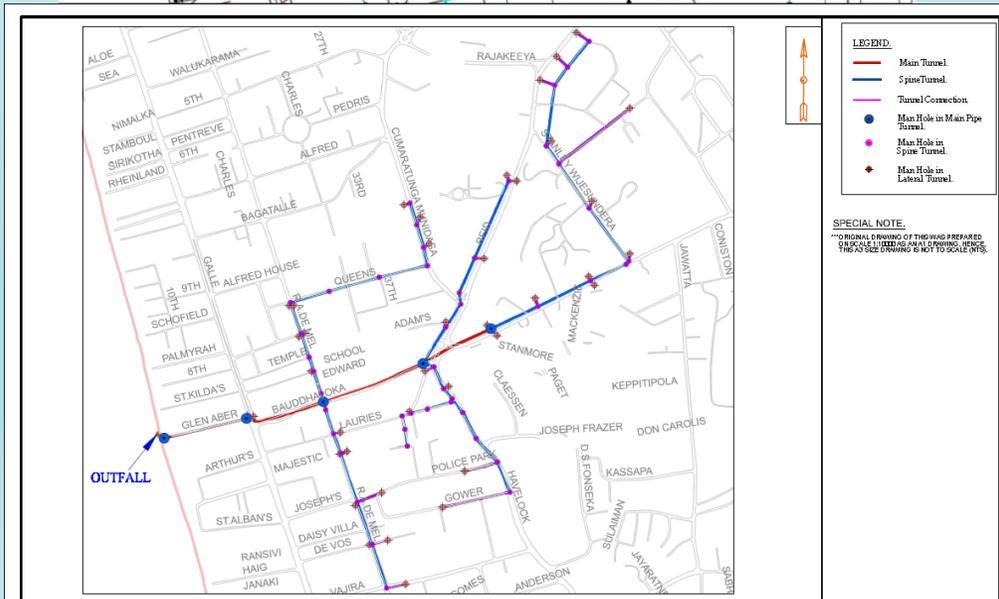
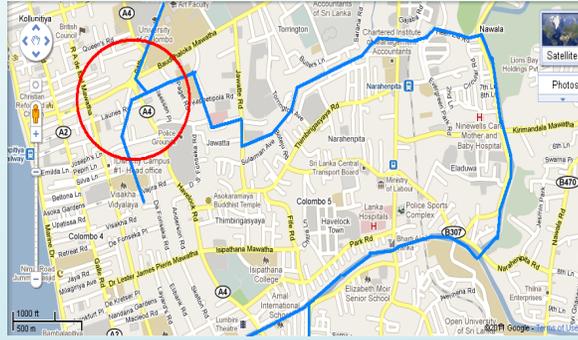
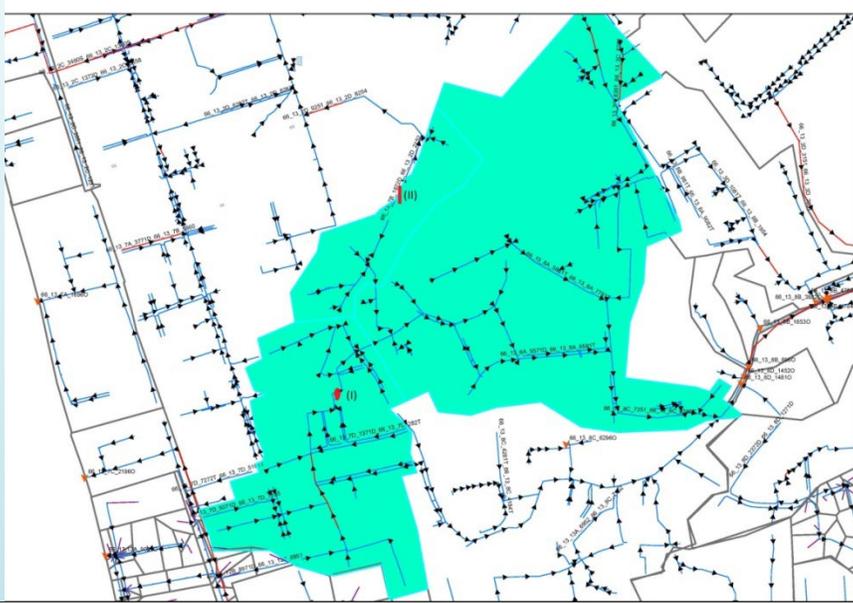
Revised IDF curves for Colombo area (Source- Metro Colombo Urban development project)



In the year 2010, the city experienced 46 significant flood-prone zones, and a total of 25 million US dollars were allocated for addressing flooding issues in six specific locations by the year 2020

Major flood prevention Projects in Colombo with World Banka Funding

Torrington tunnel cost around Sri Lanka Rupees 2000 million



New initiatives

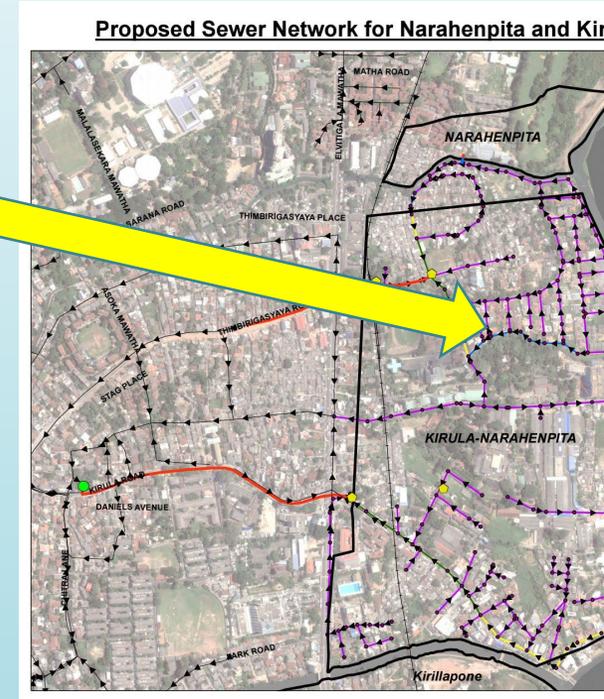
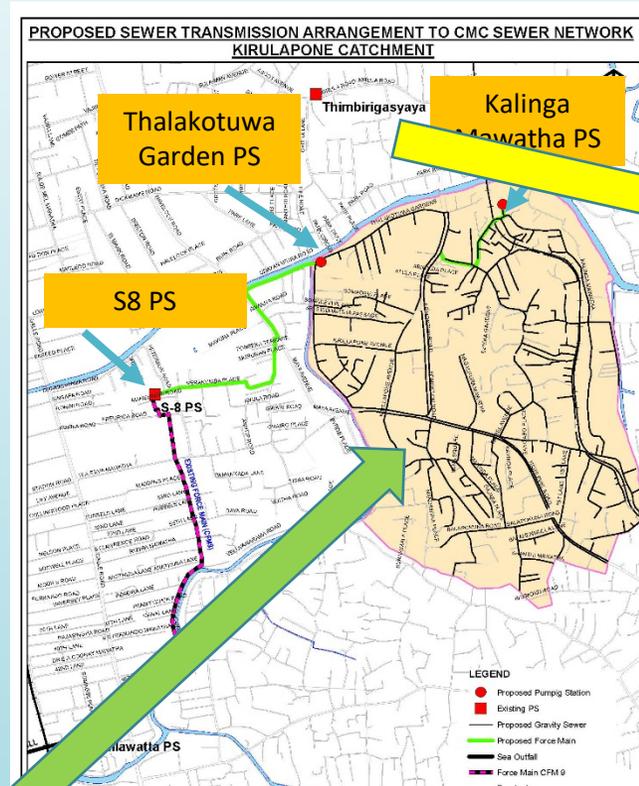
- 1) Upstream Ponding
- 2) Increase of infiltration
- 3) Rainwater harvesting
- 4) Upstream Storage
- 5) Increase of vegetation
- 6) Integrating weather forecast systems with the City Traffic Division for traffic rerouting.



No	Project Name	LKR Mn
1	Improvements to Storm Water Drains in Catchment 2 & 3 Marian Drive	273
2	Rehabilitation of Gregory's Canal	290
3	Improvements to Kinsey Road Drain Construction of Bauddaloka Mawatha Culvert	260 83
4	Rehabilitation of Norris Canal (Stage I)	450
5	Torrington Upper Catchment main tunnel Improvements to essential Micro drainage at Race Course and Thunmulla	2000 175
6	Improvements to the Drain at Devi Balika Round about	471

USD 25 Mn Spent during 2018-2020

New projects – Provide sewer facilities for Colombo Unsewered areas



Ongoing project Total cost USD 47Mn
Overall Progress – 70%
USD 17.5 Mn work remaining
Expected Completion Date: 31-12-2025

Proposed project US \$ 63 Mn European union fund confirm for this project and will be implemented 2024

Expectation

- 1) To learn Japan's City experts hands on experience about use of digital technology and innovates to improve the quality of life for residents.
- 2) To learn about smart transportation systems, intelligent traffic management, water related disaster risk reduction and other smart infrastructure initiatives which can contribute to a cleaner and more sustainable future city.

Thank You

Adress

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Town Hall, Colombo 07,
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