

Climate Resilient City and Urban Environmental Sustainability

Buddika Lakmal
Dankotuwa
Sri Lanka

Climate Resilient City and Urban Environmental Sustainability

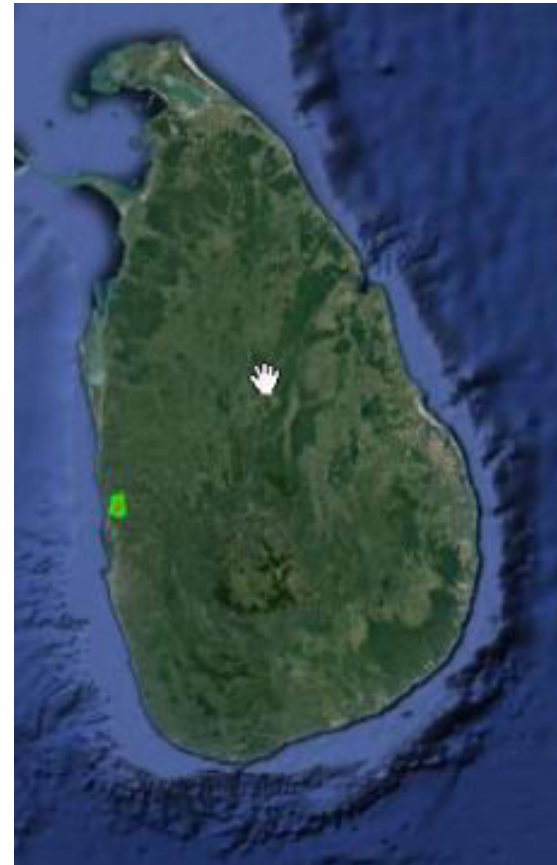


Divisional Secretariat Dankotuwa

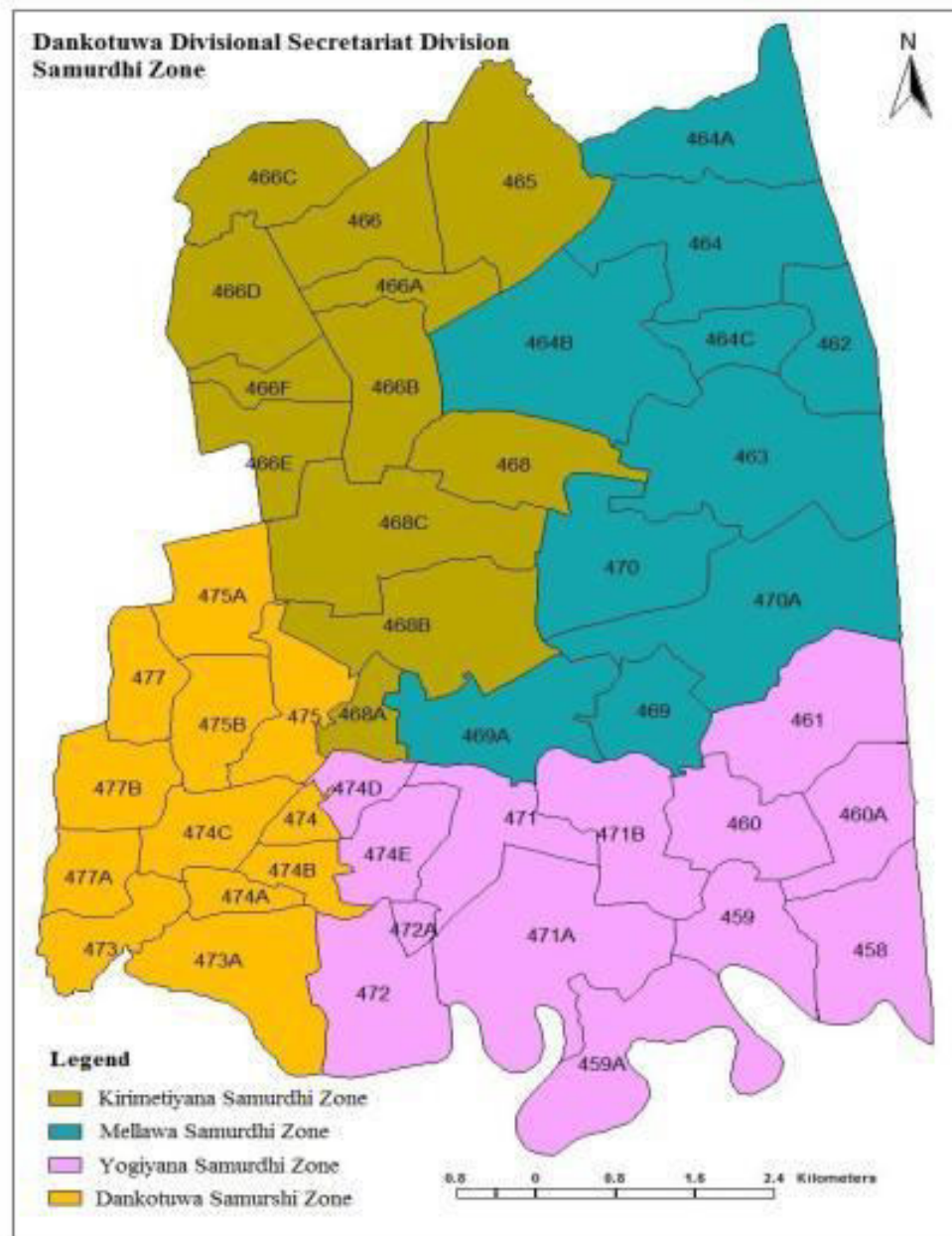
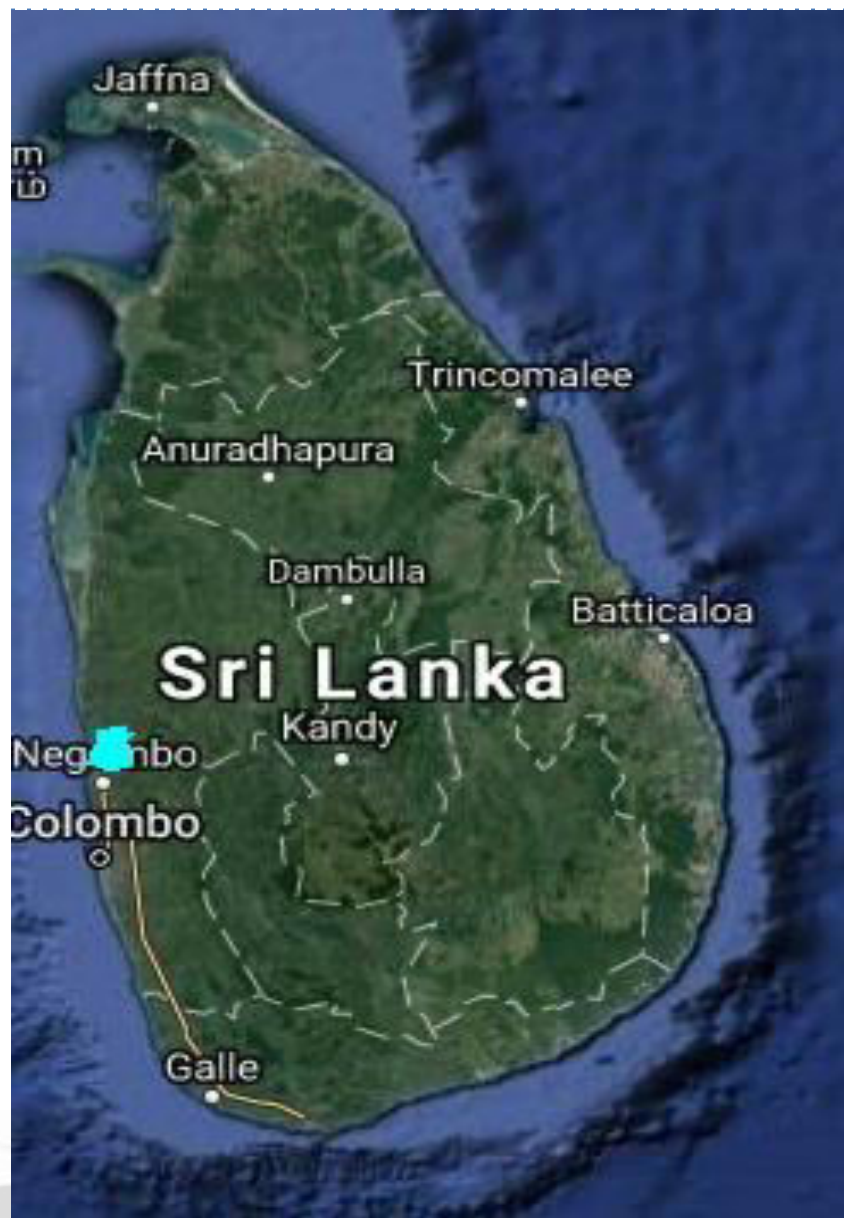




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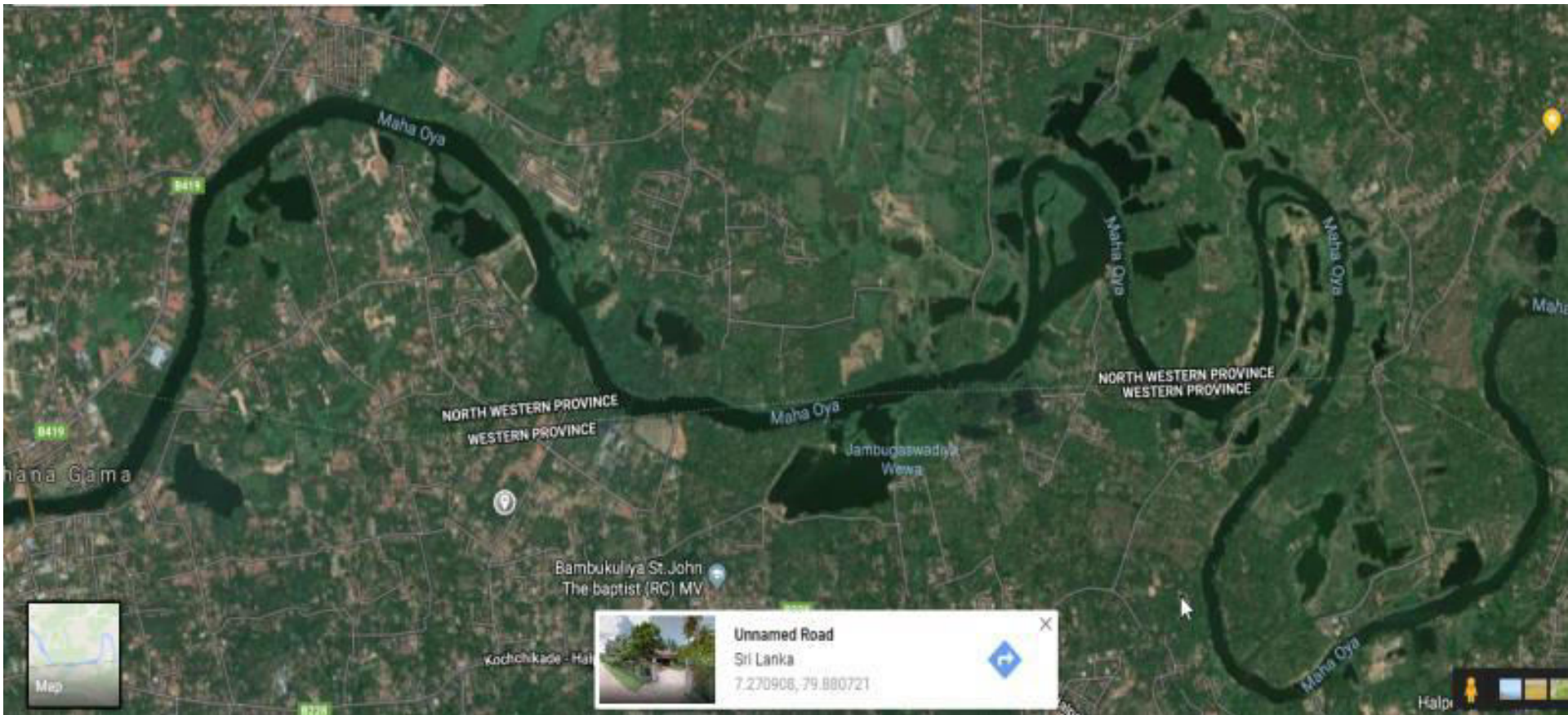
Location of the Municipality



Divisional Secretariat Area



Ma Oya River as boundary



City profile

1.A Characteristics of the city:

- Population : 64923
- Area : 78 sqkm
- Demographic density : 818.08
- Height above sea level : just 3 km away from sea



Population

Age	Population	
	Female	Male
0-5	2240	2019
6-10	2590	2305
11-16	2780	2473
17-19	2060	1883
20-25	3107	2792
26-30	2916	2929
31-60	13208	12198
Over 60	5224	4199
total	34125	30798

Annual Rainfall Detail

Year	Annual Rainfall (ml)
2004	1594'2
2005	1488'5
2006	1682'1
2007	1582'4
2008	1589'1
2009	1563'9
2010	1577'5
2011	1567'2
2012	1602'8
2013	1700
2014	1900
2015	2200
2016	1800

Temperature

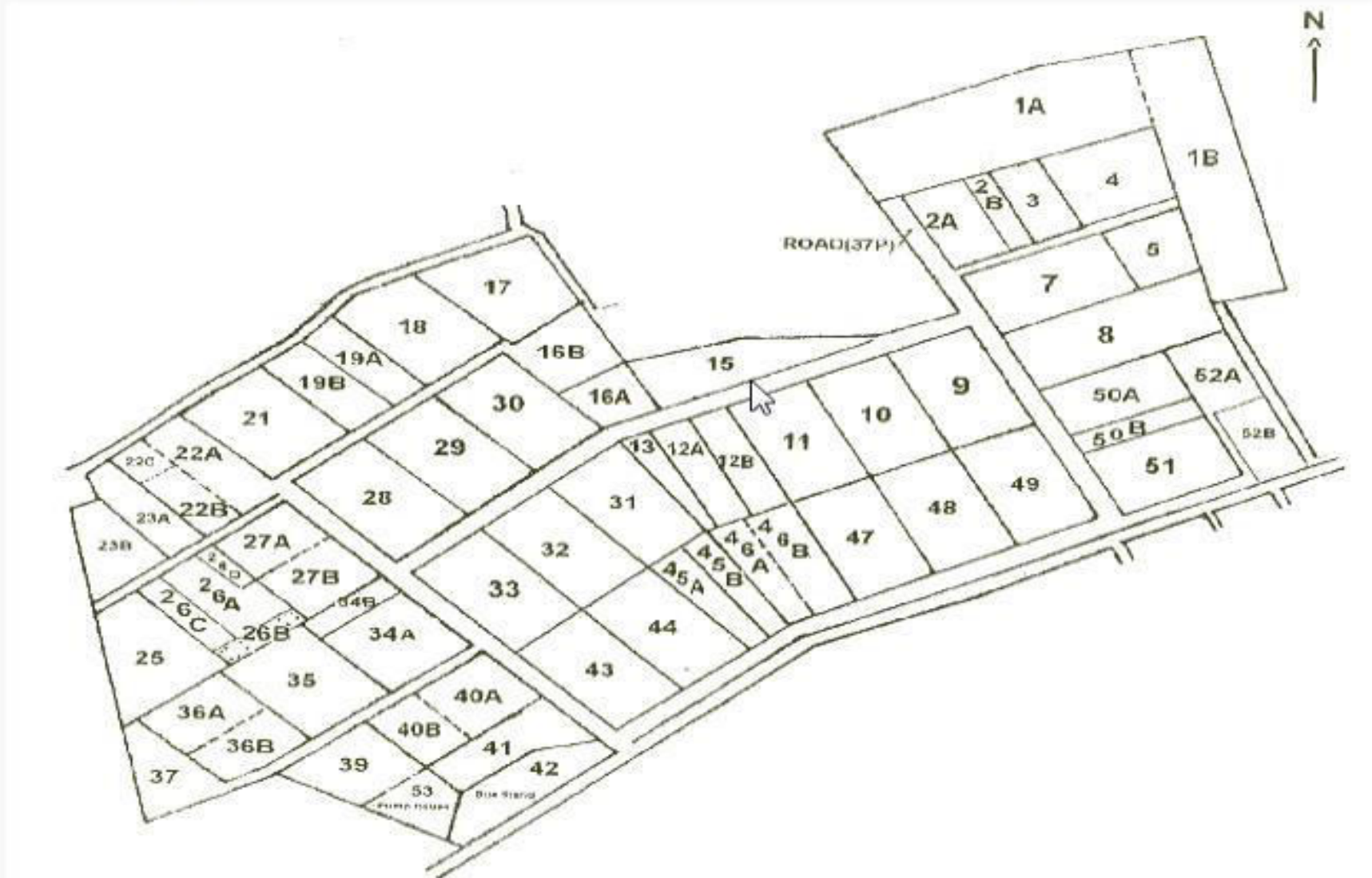
Year	Mean(Celsius)
2004	21'8
2005	22'6
2006	23'2
2007	24'5
2008	23'7
2009	25'1
2010	24'3
2011	24'8
2012	23'9
2013	27
2014	27
2015	28'5
2016	29'5

General Data

- 22 Government schools
- 49 preschools
- 1 Governmental and 15 community water projects
- 05 Grounds
- 04 libraries
- Police station
- Government Hospital

Industrial Zone

Dankotuwa Industrial Estate



Industries

- industrial zone with Large and Medium scale industries
- More than 10 Medium Scale industries outside of industrial zone.
- more than 600 SME's functioning in division.
- (No Proper plan to manage waste water in zone. Need to implement waste water management plant also with wetland)

City Known As

Dankotuwa Porcelain

Tile Factories

Garments



Popular Industries



Conservation Forest



Kalumukalana - **0.31 km²**



City profile

2. City's issues/needs

What are the key issues that city is facing

flood

Drought

Temperature

Waste Management

What are the needs/interests of city

Water Projects

Community water projects

Planting Trees

Waste Management project



What we are done in Drought



What we have to do in Flood





Rehabilitation and Urban forest Project











Project River bank protection















Planting Trees on edge of Roads





Institutional structure of the city

3. Description of city's governance structures for Climate Change/Urban Environmental Issues

Two bodies functioning in that case, Divisional secretariat under Divisional secretary and Local authority Called "Pradeshiya Sabha" under chairman.

Government Lands, Roads, Industrial zone, Tropical forest area, river area, water supply directing and coordinating by Divisional secretary

City cleaning, waste management, building approval...etc given by "Pradeshiya Sabha" local authority.

Both have environment officers to attend on environmental matters



Municipality initiatives

What We Planning and ToDo

Planning to implement new waste management center with new technology.

Enhance Water project and Community water projects.

River information management System

Flood Monitoring system

Waste water treatment plant for industrial zone with wetland

Tree planting programs



Water projects, Planting done with PPP and involve with general Public



Municipality initiatives

7. Challenges

- Rules made by central Government.
- Not proper educated politicians.
- No Funds

Opportunities

- Helping hands from Private sector and General Public
-



Sri Lanka



WILD



THRILLS



BLISS



ESSENCE



FESTIVE



SCENIC



HERITAGE



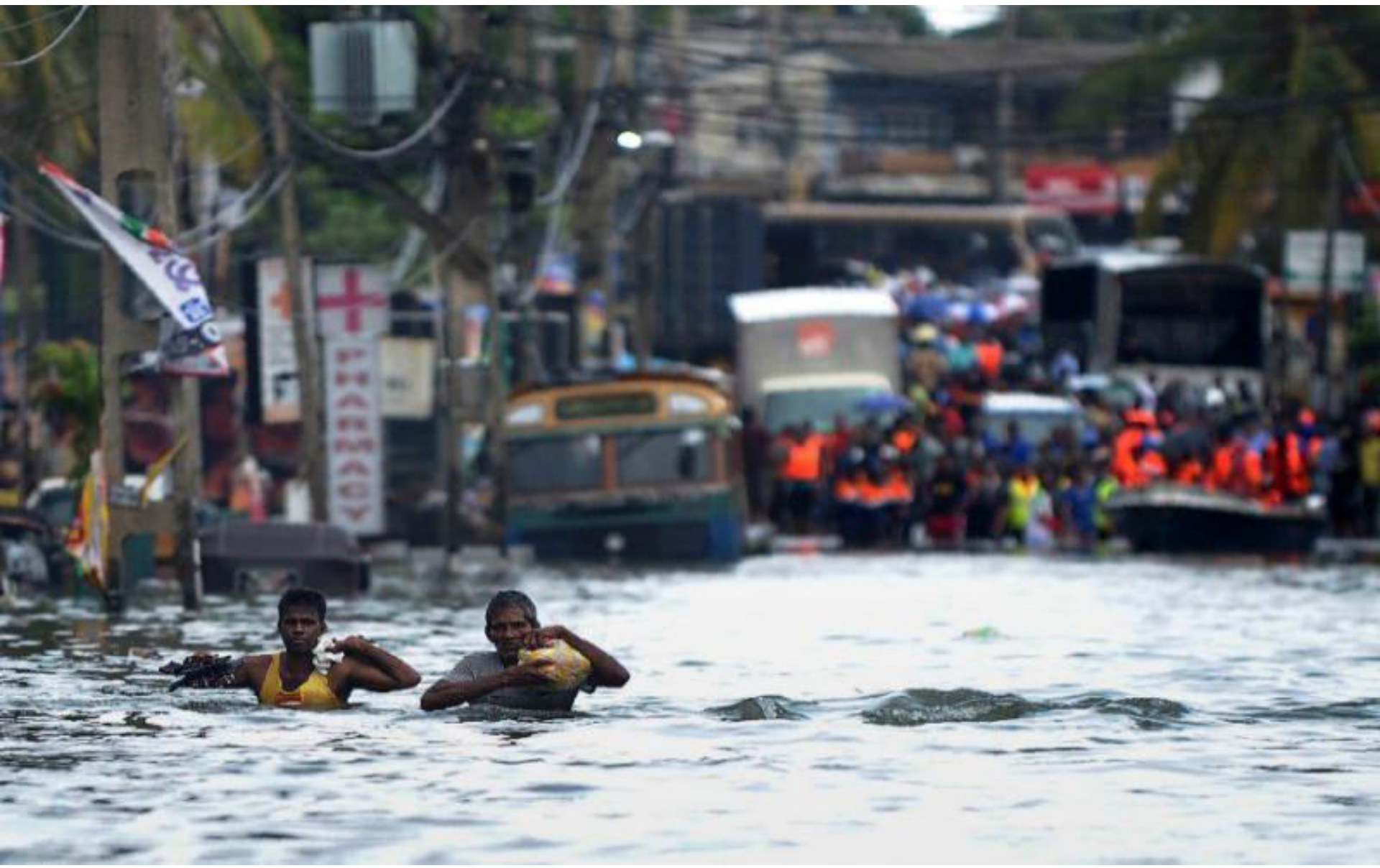
PRISTINE



What happened in last few years

- Flood
- Drought
- El Nino ,La Nino Situation
- Poor Waste Management
- Land Slide

Flood















This is our Parliament



A close-up photograph of parched, cracked soil in shades of brown and orange, illustrating the effects of severe drought. The cracks are deep and irregular, running across the frame.

**Sri Lanka is facing
the worst drought
in 40 years**



DROUGHT

SRI LANKA SUFFERING WITH
**EFFECTS OF
CLIMATE CHANGE**









Landslide



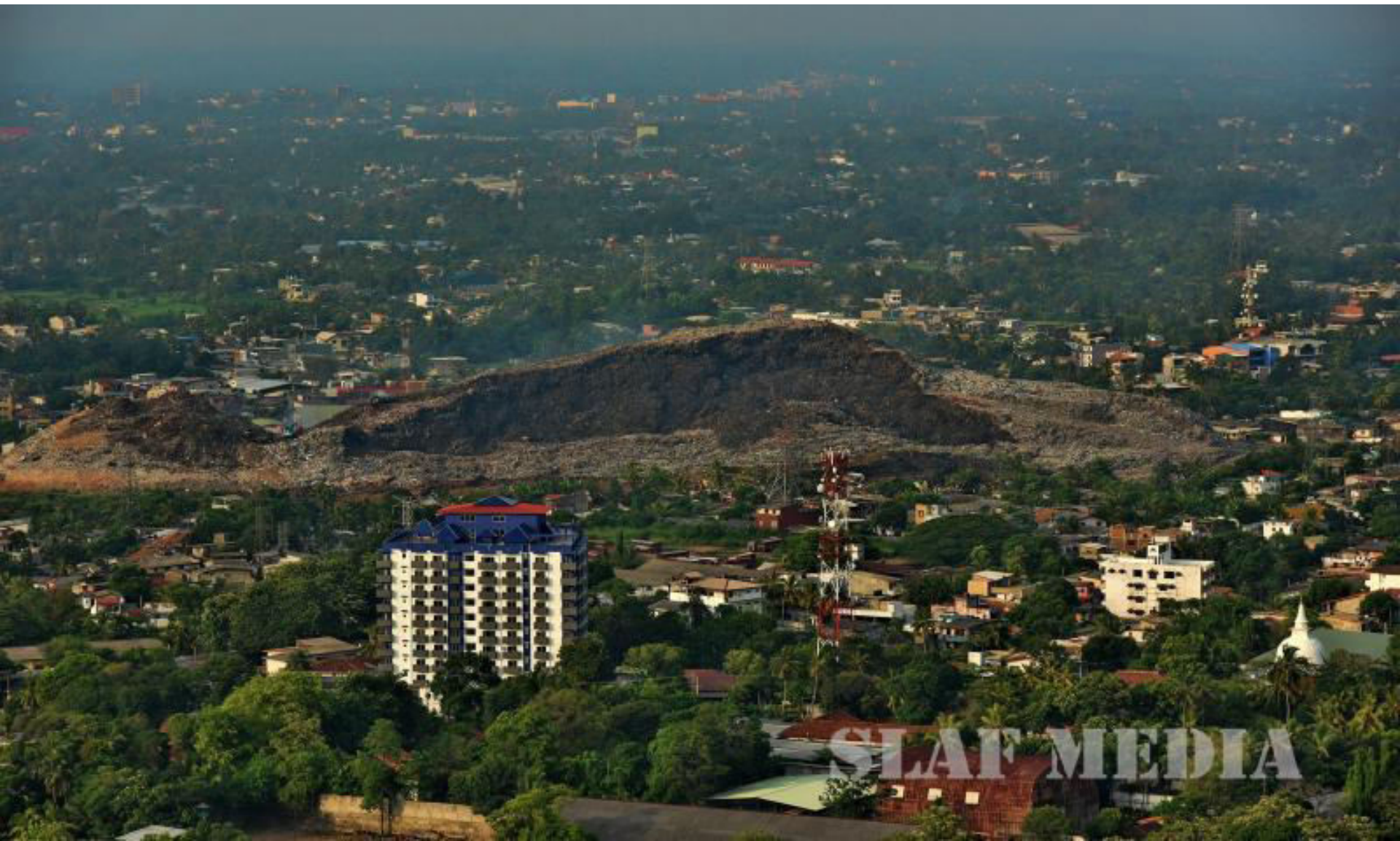








Worst Waste Management





Waste Mountain avalanche





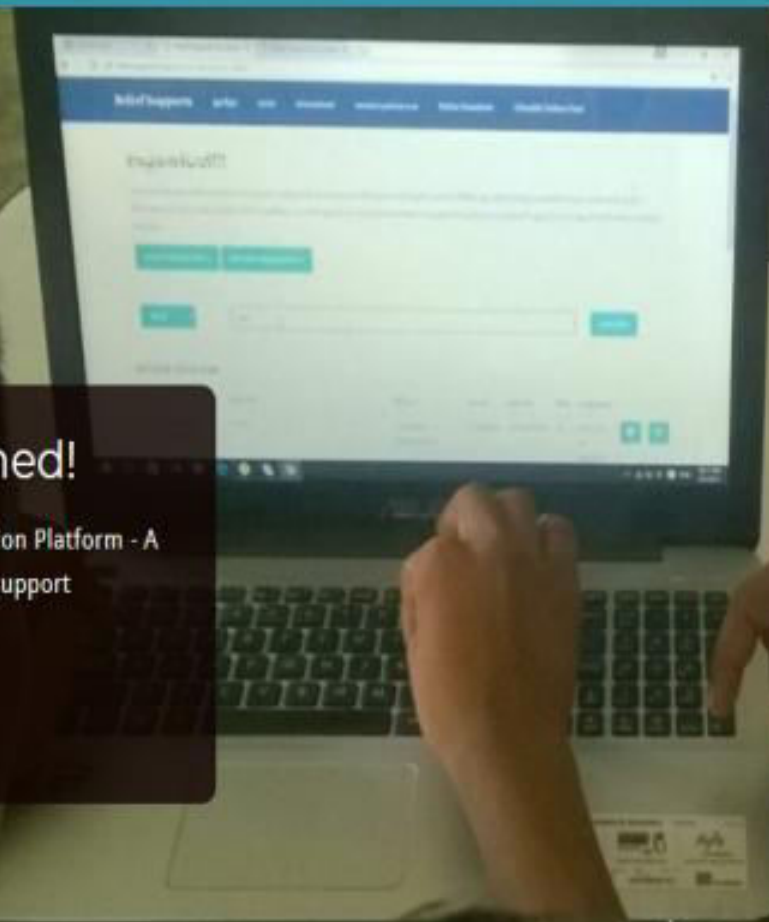
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RiskInfo Launched!

Sri Lanka Disaster Risk Information Platform - A public platform for GIS Data to support development in Sri Lanka.

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ReliefSupport



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ReliefSupport

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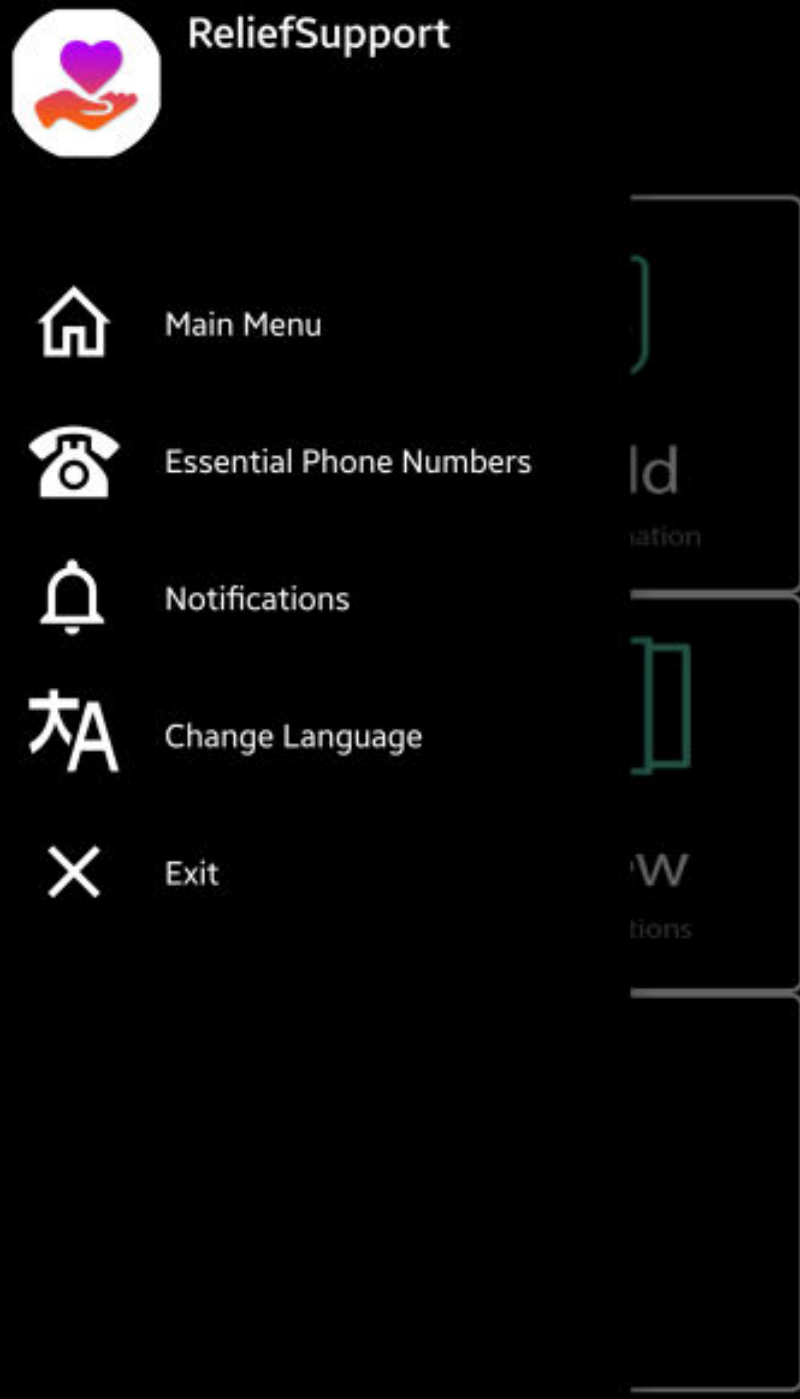
City

Enter your city here

Contact Number

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SUBMIT



• *What we Need Now*

- River information management System
- Flood Monitoring system
- Land Slide Monitoring System
- Waste management system



Thank you!

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Buddika Lakmal

Divisional Secretariat

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