



RAPID STRUCTURAL AND NON STRUCTURAL RISK ASSESSMENT OF SCHOOL BUILDINGS

B.A.W.R. Padmashantha – Ministry of Education

N.S.Vithanage- Disaster Management Centre

Nirmanthi Idirimanna- National Building Research Organization



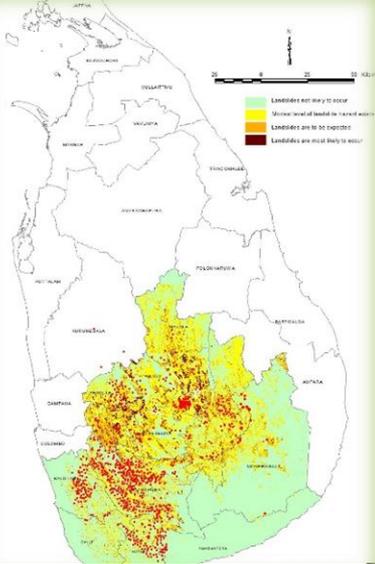
CONTENT

- ◆ Hazard Background and Key Institutions
- ◆ Legal Frameworks and Organization Structures
- ◆ Existing Funding Mechanism
- ◆ Strategy of Capacity Development
- ◆ Issues Challenges and Way Ahead

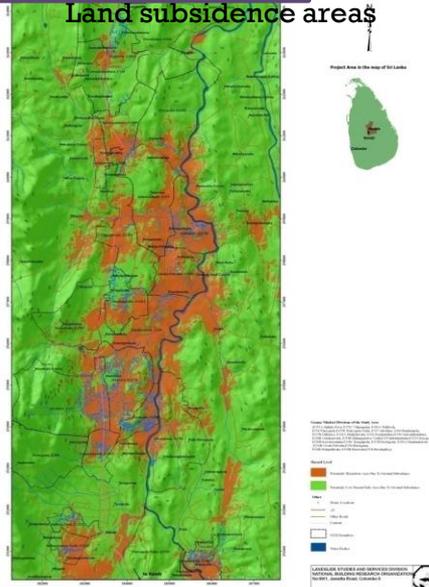
NATURAL HAZARDS IN SRI LANKA

National Building Research Organization

Landslide Prone areas

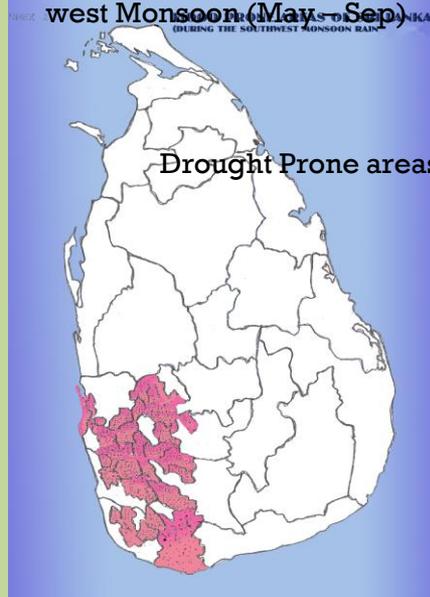


Land subsidence areas

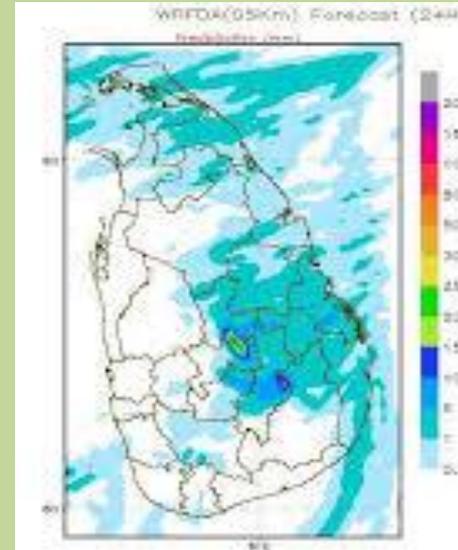


Department of Irrigation

Flood Prone areas during South west Monsoon (May - Sep)



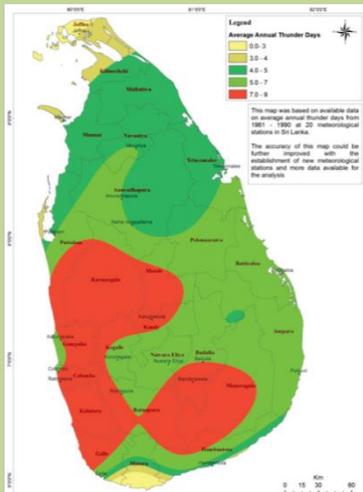
Flood Prone areas during North East Monsoon (Dec - Feb)



Drought Prone areas

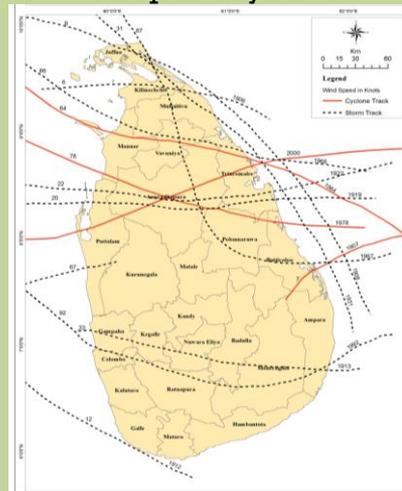
Department of Meteorology

Lightening Affected Area

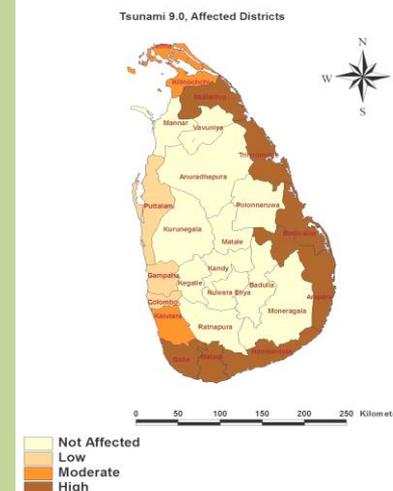


Disaster Management Centre

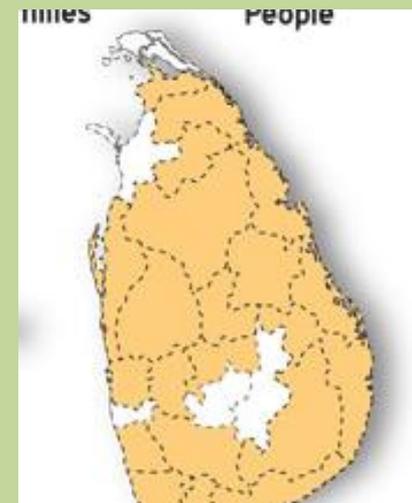
Tropical Cyclones



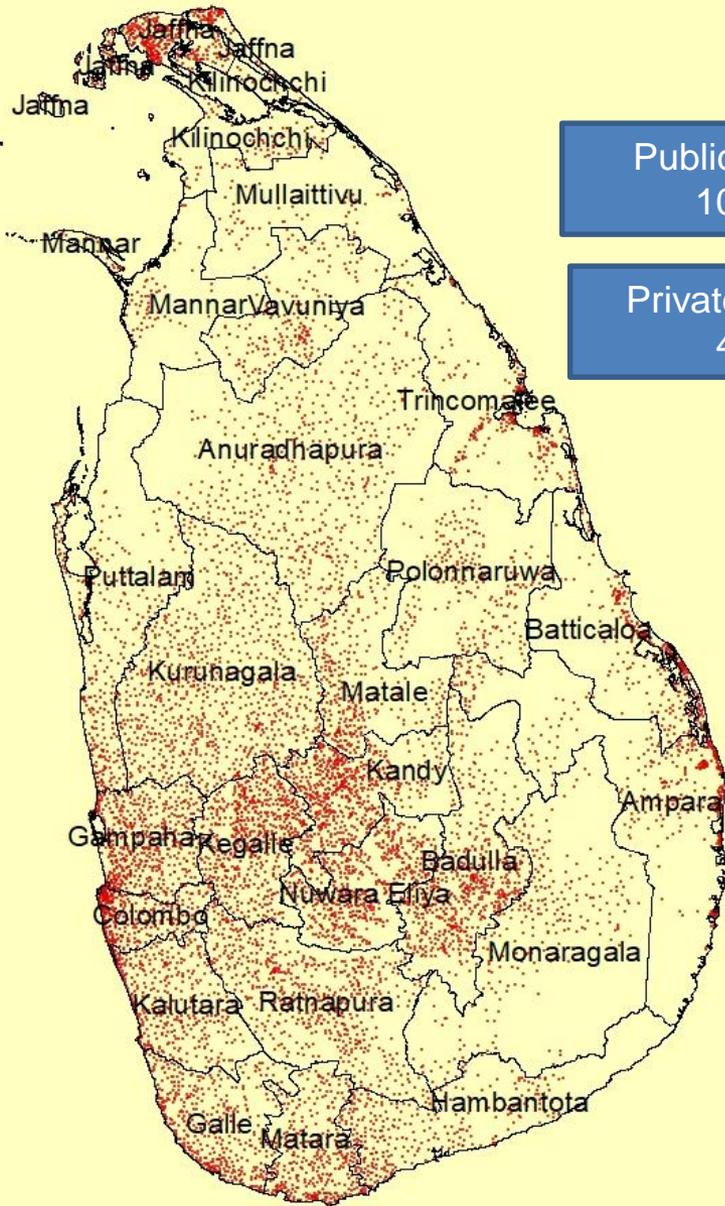
Tsunami Affected Coastal Areas



Drought Affected Area



SCHOOL DISTRIBUTION MAP OF SRI LANKA



Public School
10450

Private School
450

4.1 Million School Children

20% of Total Population are
School Children

RECORDED DAMAGES IN SCHOOL SECTOR

TSUNAMI

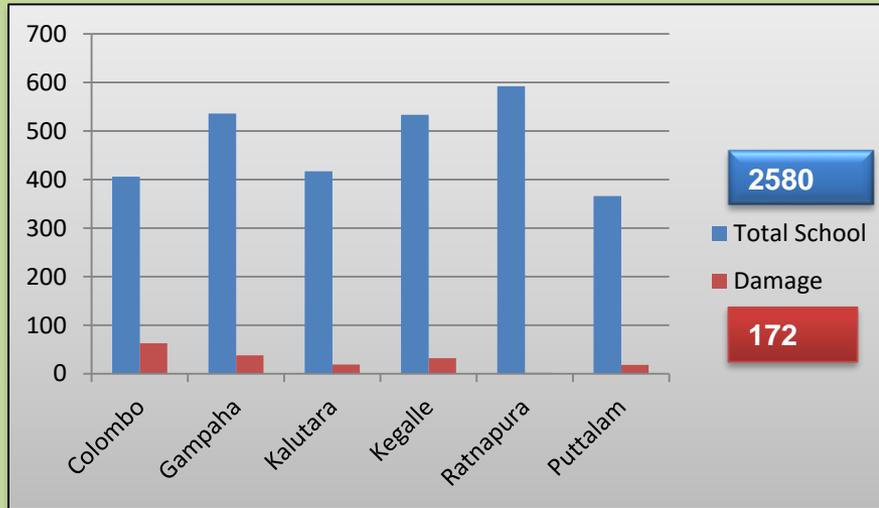
2004

182 schools damage and 100000 children affected



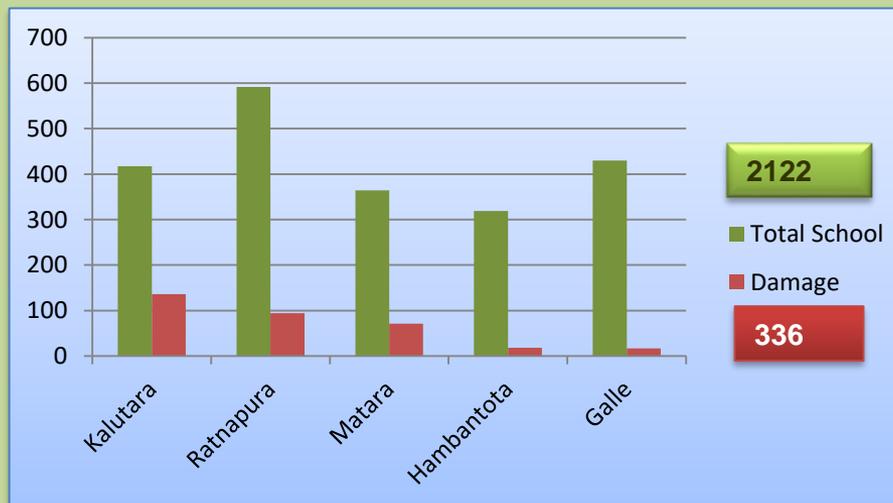
FLOOD LANDSLIDE

2016



FLOOD LANDSLIDE

2017

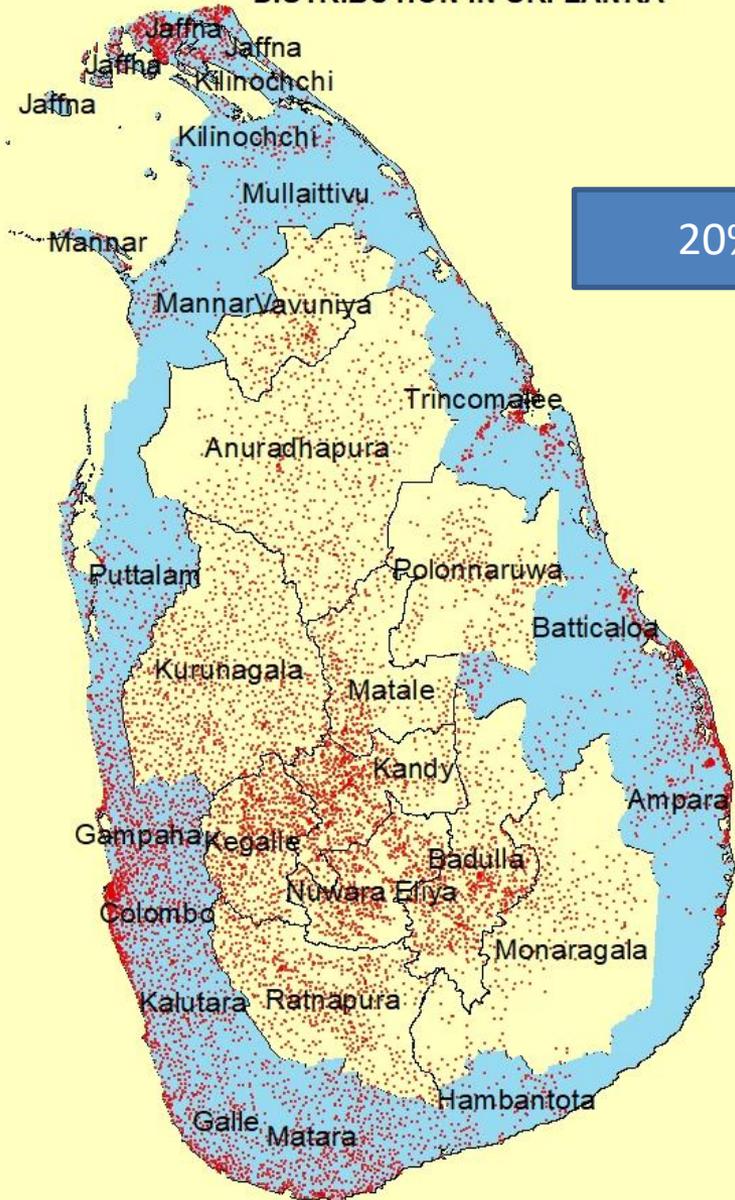


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TSUNAMI AFFECTED AREAS AND SCHOOL DISTRIBUTION IN SRI LANKA



20%

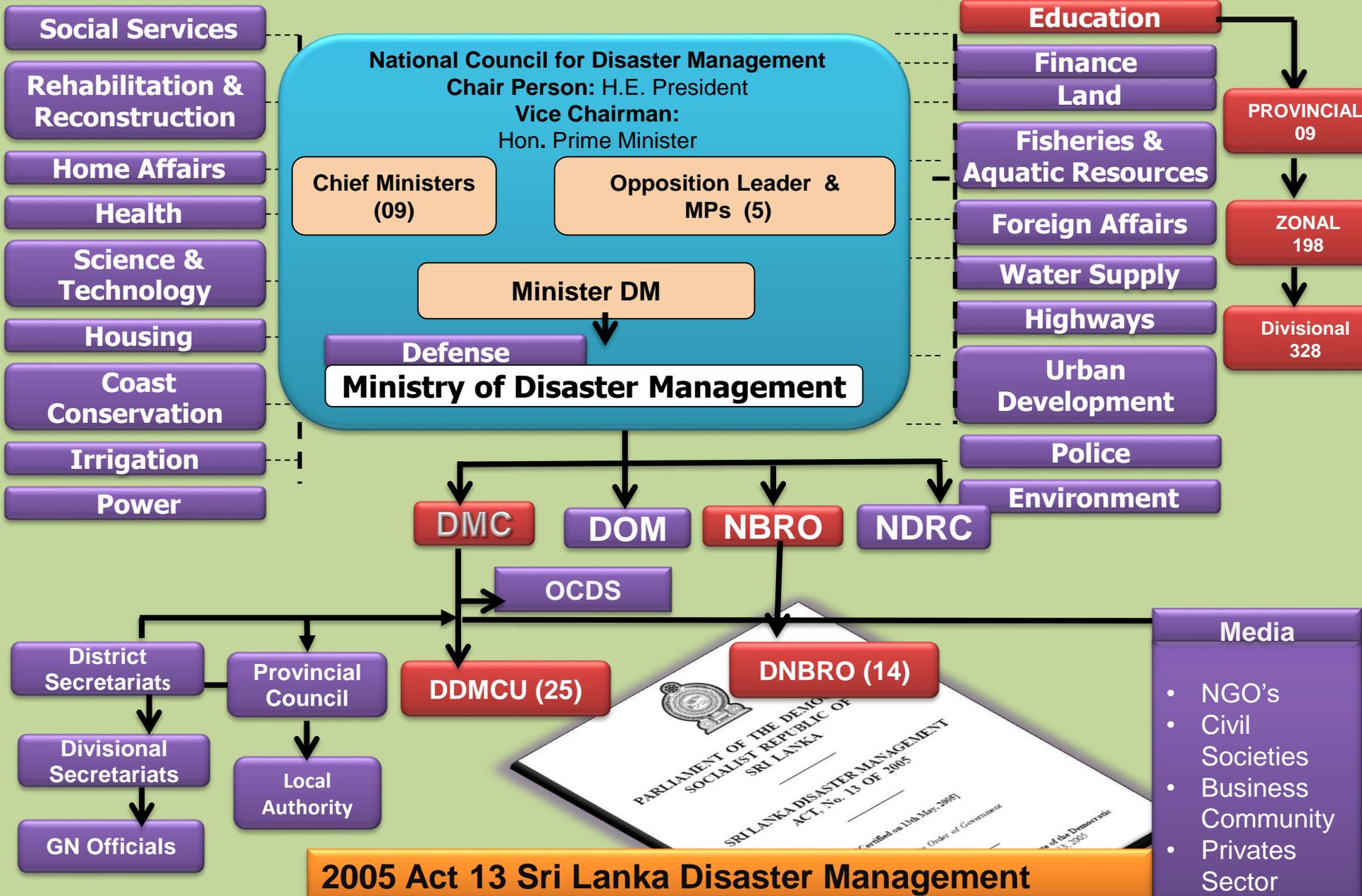


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LEGAL FRAMEWORK AND COORDINATION MECHANISM OF DISASTER MANAGEMENT IN SRI LANKA



EXISTING FUNDING MECHANISM FOR DISASTER RISK MANAGEMENT IN SRI LANKA

- GOVERNMENT TREASURY– NATIONAL
- PROVINCIAL COUNCIL – SUB NATIONAL LEVEL
- WORLD BANK
- INGO/NGO/CBO
- PRIVATE SECTOR

STRATEGY OF CAPACITY DEVELOPMENT

- In 2019 Ministry of Education and Disaster Management Centre of Sri Lanka has prepared a five year plan for improve the capacities of Education sector regarding Disaster Risk Management and identify national level focal persons.
- As per the plan has started Multi Hazard Risk Assessment . At the present Initial stage has completed and remaining the analysis stage.
- School Sector Nonstructural Mitigation has completed in Two Land slide affected Districts by National Building Research Organization.
- Awareness and Training has conducted for National and District level officials in both Ministry and Identify Zonal level focal perosons.
- Identify Focal persons from each education Zone and Trained them as TOT
- Finalized the School Safety Guide line for next Five Year period. (It has consist School Safety Plan preparation, Implementation and evaluation procedures)
- Island wide Live Art Competition will conduct next month for improve Disaster Risk Management Knowledge among school children.

ISSUES CHALLENGES AND WAY AHEAD

ISSUES	CHALLENGES	WAY AHEAD
As per the climate change level of hazard has increased.	climate change adaptation , Structural mitigation high expensive	Education Reformation, Change school Time Table Introduce Solar power/ Rainwater Harvesting, ect
Resource Availability (Human, Physical, Financial)	<ul style="list-style-type: none"> • Improve capacities of school community • Establish Resource pool • Less Budget allocation from the government • Unnecessary influence of NON government organization 	With Support of Technical Agencies identify consultants and Resource persons for Trained TOT Developing a Building Guide line
Lack of technical Knowledge (Chemical,Biological,Radiological, Nuclear Disasters)	<ul style="list-style-type: none"> • Find experts for aware school community for different disasters 	Preparation of Module for Aware Technological Disaster
School using as Disaster safety Centers.	<ul style="list-style-type: none"> • Continuation of Education in after the Disasters 	MOU with Ministry of DM for build new safety centers and Continuation of Education In Disaster Period



Conduction Exercise



Mahamaya College



Kandy Ananda College



St Josephs College



Jinaraja College



Non Structural Mitigation For Landslide

Hillwood Girls College



Galkanda College



Mahamaya College



Kandy Ananda College



St Josephs College



Jinaraja College





THANK YOU

