




**Department of Census and Statistics**  
**in collaboration with Disaster Management Division**   
**Sri Lanka**

# **Disaster Management Practices and It's Data Collection Mechanism of Sri Lanka**

**4th TWG meeting on disaster-related statistics on Wednesday, 27 January 2021**

Presented by:

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# Brief Introduction to Sri Lanka Disaster Profile

## Natural hazards exacerbated by climate change

- Located in the Indian Ocean among Bay of Bengal and Gulf of Mannar.
- Pressure variations in the bay of Bengal with high winds give rise to unexpected heavy rains.
- Two monsoonal rains, Two inter monsoonal rains in an year.
- Some parts experience long period of dry seasons

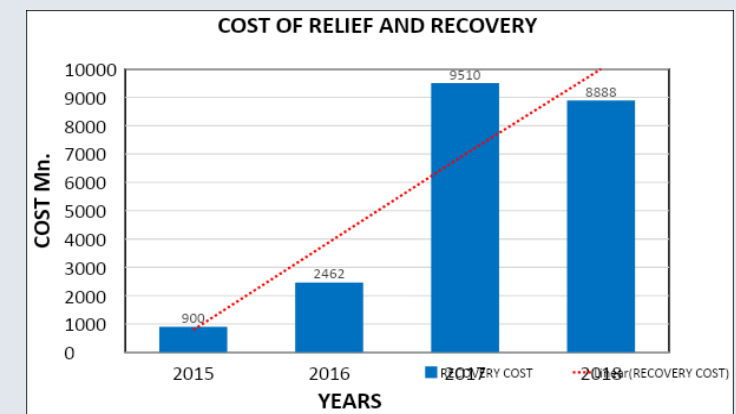
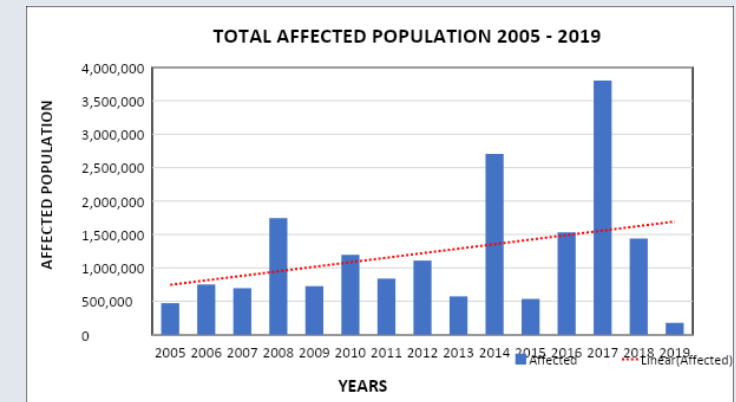
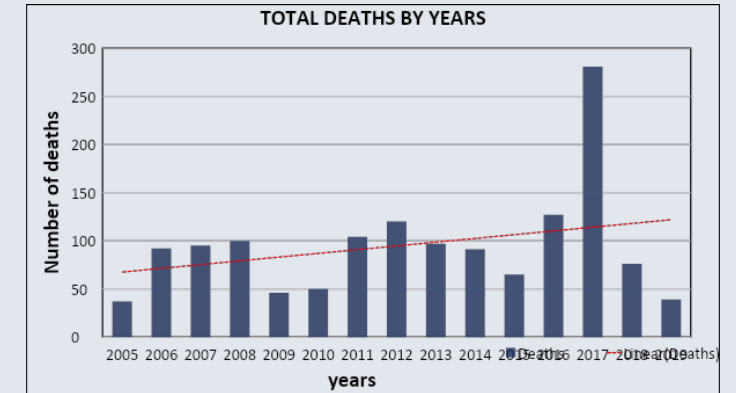
## Consequences: potential to disrupt development and achievements

- Frequent Flooding in the lower peneplanes : Kalu, Kelani, Mahaveli and Gin River basins and North and East parts of the country
- Effect of high wind, and Cyclone.( mainly in North and East)
- Effect of Landslide in ten districts mainly in central mountain area.
- Severe drought in parts of North west, Northern, North central, Southern provinces

**All indicators demonstrates increasing trends in death, people affected and cost to development**

Source:Desinventar

## Past Hazards statistics by years 2005 – 2019 (14 YEARS)



## ENABLING ENVIRONMENT

Following the 2004 tsunami, adopted strategic management system:

- Passed a Disaster Management Act, No.13 / 2005
- Formed a National Council for Disaster Management (NCDM) Headed by H.E. the President
- Established a separate Ministry for Disaster Management in 2006, which has:
  - Disaster Management Center (DMC)
  - National Disaster Relief Service Center(NDRSC)
- Already established under different gazette:
  - National Building Research Organization (NBRO)
  - Department of Meteorology

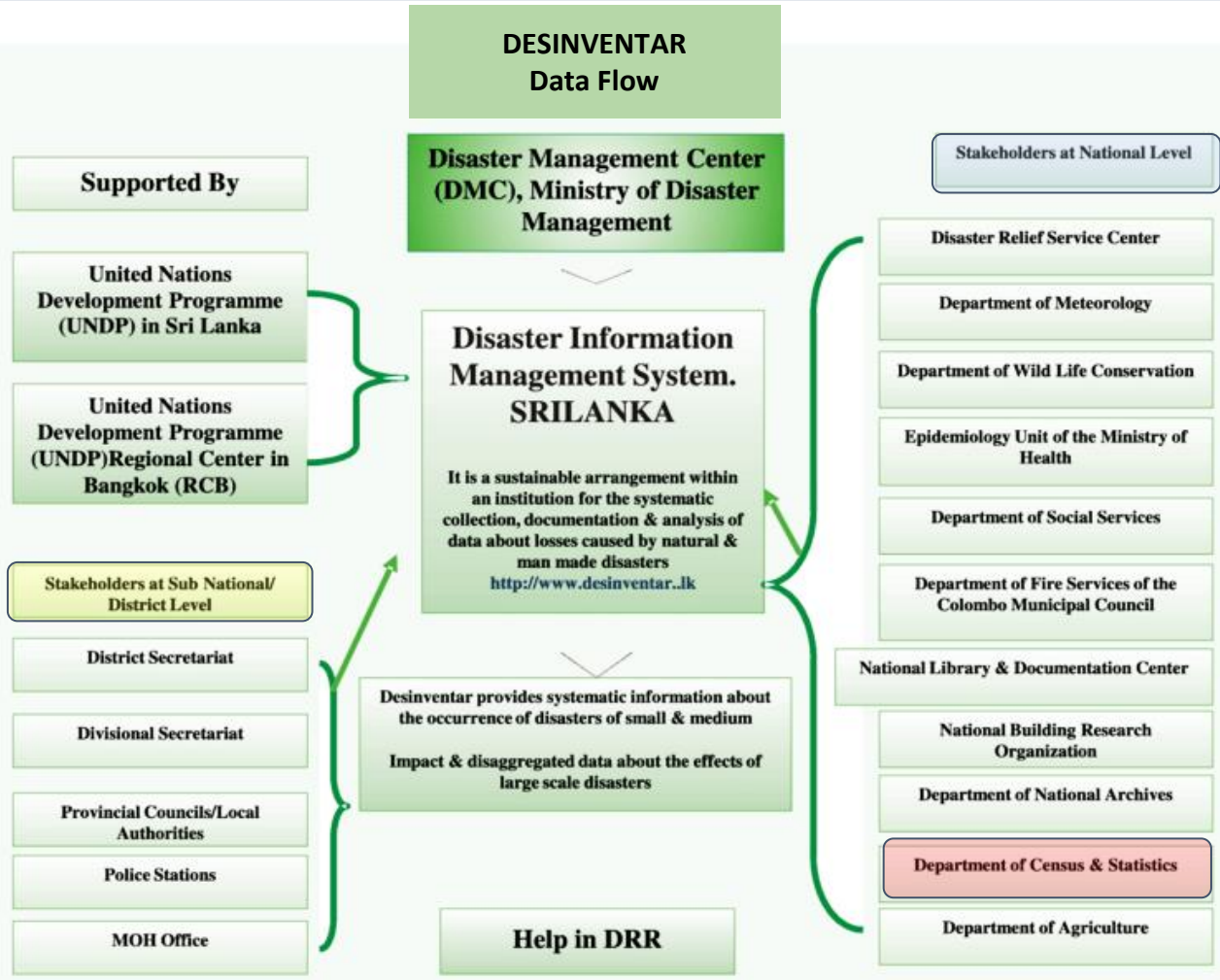
## POLICY INSTRUMENTS

1. National DM Act
2. National DM policy
3. National Disaster Management Plan (NDMP)
4. National Emergency Operation Plan (NEOP)
5. Local Level Disaster Management Plan
6. Resilience Framework
7. Post Disaster Need Assessment and Recovery Plan

In Addition, Ministry of Disaster Management collectS data for SFDRR and SDG reporting

- Held two meetings with 72 stakeholders
1. Created 15 thematic clusters
  2. Plans to form data cell in each institute
  3. Data format & technical know how by DCS

**Response:** Government has identified the resilience among national priorities and make strategies to strengthen disaster risk reduction programmes, projects, activities and collection of disaster related data, statistics and information.



## Hazard-Related Data Sources

Floods	Department of Irrigation
Landslides	National Building Research Organization
Drought	Department of Agriculture
Cyclone	Department of Meteorology
Lightning	
Tsunami	Coast Conservation Department
Sea Level Rise	
Storm Surge	
Coastal Erosion	

**RISKINFO** Disaster Risk Information Platform  
*Risk information for all...*

Welcome to the Sri Lanka Disaster Risk Information Platform (RiskInfo). The purpose of RiskInfo is to make disaster risk information available to all the stakeholders and the public in order to facilitate disaster risk reduction and recovery efforts. The initiative is led by the Disaster Management Center (DMC) in partnership with UNDP, NGOs and GDFRR Labs. The data sharing platform is built using the open source software GeoNode that is designed to enable collaborative use of geospatial data and maps. To get in touch and get in account to upload data: [riskinfo@dmc.gov.lk](mailto:riskinfo@dmc.gov.lk)

**MAPS**

- Hazard profile maps
- Administrative boundaries
- Explore maps
- Create a new map

**DATA**

- Hazard data
- Exposure data
- Base data
- View all data

Powered by GeoNode 1.2  
 Need Help? Help For Developers

Partners: GDFRR, THE WORLD BANK, UNDP

Mall, Rajesh & KUMAR, SANTOSH. (2014). Integration of Disaster Risk Reduction and Climate Change Adaptation in SAARC Region.

**DMC developed National Disaster Risk Information Platform "RiskInfo"**  
 Supported by World Bank and GDFRR, under the Open Data for Resilience Initiative (OpenDRI) December 2017.

<http://www.riskinfo.lk/>

# Strength of the DCS to collect Disaster Related Statistics:

## STRENGTHS TO COLLECT DISASTER STATISTICS

1. Availability of separate technical divisions (Population & Demography, National Accounts, Agriculture, Cartography, ICT) etc.
2. Availability of DCS officers in the all Districts and DS Divisions to collect and process data related to all institutes.
3. Availability of officers in all line ministries, departments, and institutes as focal points to collect and process data.
4. Technical expertise in the office of DCS
5. Authorized main governmental independent data collection body.

## CHALLENGES IN DATA INTEGRATION

1. Use of different classification, mandate, and functions ( ISIC, SNA, Local standard codes )
2. Most of agencies do not collect data up to lowest administrative levels. ( GN division = Village Officer Level)
3. Most of agencies collected, stored, and shared by different formats. (excel, reports, maps)
4. Lack of data processing expertise and required skills.
5. Problem in the integration of DCS data and shape files with other agencies due to segregation and demarcation issues
6. Duplication of data and no common definitions for connected subject areas
7. No system or policy for real time data sharing.

## CONCLUSIONS

1. Forming a new unit: together with Sendai Secretariat, to produce integrated disaster related data and statistics
2. Need capacity building for DMD /DCS
3. Request experience sharing with countries that have DRS systems.
4. Request consultancy assistance from ESCAP to improve the system.
5. Propose an annual review and evaluation of the disaster related data collecting system

More Information:

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THANK YOU