Demands and Current Challenges for the Use of Official Statistics for Informing Disaster Risk Reduction policies; and Institutional arrangements in Government to Improve Quality of Disaster-Related Statistics in Sri Lanka

6th meeting of the Expert Group on Disaster-related Statistics in Asia and the Pacific
April 23rd-25th   Bangkok, Thailand

Dr S. Amalanathan
Ministry of Public Management and Disaster Management
Sri Lanka
CLIMATE RISK INDEX 2016 & 2017

<table>
<thead>
<tr>
<th>Ranking 2016 (2015)</th>
<th>Country</th>
<th>CRI score</th>
<th>Death toll</th>
<th>Deaths per 100 000 inhabitants</th>
<th>Absolute losses in million US$ (PPP)</th>
<th>Losses per unit GDP in %</th>
<th>Human Development Index 2015</th>
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<tr>
<td>1 (40)</td>
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<td>1 205.15</td>
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</thead>
<tbody>
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<td>1 (105)</td>
<td>Puerto Rico</td>
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</tr>
</tbody>
</table>
DISASTERS

- Landslides
- Cyclones
- Floods
- Droughts
- Industrial Hazards
- Tsunami
- Earthquakes
- Air Hazards
- Marine Hazards
- Fire
- Epidemics
- Explosions
- Air Raids
- Civil or Internal Strife
- Chemical Accidents
- Radiological
- Emergency
- Oil Spills
- Nuclear Disaster
- Urban and Forest Fire
- Coastal Erosion
- Tornadoes/Lightening
- Animal Attacks
- Dam Breach
DISASTER RISK INDEX

Some Pictures of Devastation

- **Earthquake**: 0.1
- **Flood**: 6.2
- **Tsunami**: 8.2
- **Tropical Cyclone**: 3.5
- **Drought**: 3.4
- **Human**: 2.3

Source: OCHA
Indian Ocean Tsunami of 26-12-2004

Note: (9 Mw) Earthquake occurred at 06:58 am

- Number dead – 30,959
- Number missing – 5,644
- Number displaced – 500,669

Impact due to: no proper DM mechanism established in Sri Lanka.
Number of Disaster Events from 2014 – 2018

Number of Events representing Hazards or Disasters occurred due to Drought, Land Slide, Floods, High Winds

Source: www.disinventer.lk
Comparison of last Three Years of disaster events & Impacts

Sri Lanka: Flood and Landslide Impact Comparison 2016, 2017, 2018

<table>
<thead>
<tr>
<th>Year</th>
<th>Affected no of People</th>
</tr>
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<tbody>
<tr>
<td>2016</td>
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<tr>
<td>2017</td>
<td>&lt;500</td>
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<td>501 - 1000</td>
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<tr>
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<td>&gt;10000</td>
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<td>&gt;300000</td>
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<td>&lt;5000</td>
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<tr>
<td>2018</td>
<td>5001 - 20000</td>
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<td></td>
<td>20001 - 35000</td>
</tr>
<tr>
<td></td>
<td>&gt;70000</td>
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</table>

Comparison of last Three Years of disaster events & Impacts

USD 99.8 Million USD 489 Million
Demands for the Use of Official Statistics

High Frequency and Massive Damage

- Risk Assessment
- Planning and implementation of Mitigation project
- Identification of more vulnerable group for Training, awareness and Mock real.
- Dissemination of Early Warning Early warning
- Emergency operation and Evacuation affected people
- Recourse allocation
- 72 hours need assessment
- Providing immediate assistance
- Conducting Post Disaster Need Assessment
- Pre planning for insurance
- Re building and recovery planing
- Approval for future development
Sendai Framework
Logical Relation between 7 Targets

- a. mortality
- b. affected people
- c. economic loss
- d. damage to critical infrastructures

g. Access to information
f. International cooperation
e. National & local Strategy by 2020

Humanitarian
E/W
Issue
Counter Measures
Prevention Investment
SDG
Sendai Online Monitoring

MEASURING IMPLEMENTATION OF THE SENDAI FRAMEWORK

ANNOUNCEMENT

Analytics module is available in the SFM

UNISDR is pleased to announce the Analytics module: A meeting point where the data from across the globe meets the public. Get your hands on all validated data from countries as charts, maps and tables.
PROGRESS OF GLOBAL TARGETS

COUNTRY REPORTING OVERVIEW

195 countries total
142 Not started
41 in progress
4 ready for validation
8 validated

TARGET REPORTING OVERVIEW

A Mortality
151 Not started
11 In progress
15 Ready for validation
21 Validated

B People affected
150 Not started
14 In progress
20 Ready for validation
14 Validated

C Economic loss
157 Not started
13 In progress
14 Ready for validation
11 Validated

D Critical infrastructure & services
172 Not started
12 In progress
4 Ready for validation
11 Validated

E Disaster risk reduction strategies
160 Not started
11 In progress
16 Ready for validation
10 Validated

F International cooperation
167 Not started
10 In progress
8 Ready for validation
14 Validated

G Early warning and risk information
164 Not started
11 In progress
6 Ready for validation
14 Validated
Challenges and Issues

- Multi Hazard and frequency of losses and damages
- Census data will be updated in 2022
- Preparation of base line - 2015, 2016, 2017
- Multi stakeholder contribution/Institutional arrangement
- Application of modern Teac knowledge
- Institutional Capacity and capability
- Application of modern technology
Thank you.