

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 t Pacific April 23rd-25th Bangkok, Thailand

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CLIMATE RISK INDEX 2016 & 2017

Ranking 2016 (2015)	Country	CRI score	Death toll	Deaths per 100 000 inhabitants	Absolute loss- es in million US\$ (PPP)	Losses per unit GDP in %	Human Development Index 2015 ¹²
1 (40)	Haiti	2.33	613	5.65	3 332.72	17.224	163
2 (14)	Zimbabwe	7.33	246	1.70	1 205.15	3.721	154
3 (41)	Fiji	10.17	47	5.38	1 076.31	13.144	91
4 (98)	Sri Lanka	11.50	99	0.47	1 623.16	0.621	73
5 (29)	Vietnam	15.33	161	1.17	4 037.70	0.678	115
6 (4)	India	18.33	2 119	0.16	21 482.79	0.247	131
7 (51)	Chinese Taipei	18.50	103	0.44	1 978.55	0.175	Not included
8 (18)	Former Yugoslav Republic of Macedonia	19.00	22	1.06	207.93	0.678	82
9 (37)	Bolivia	19.33	26	0.24	1 051.22	1.334	118
10 (21)	United States	23.17	267	0.08	47 395.51	0.255	10







GERMANWATCH

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



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 Disas**ter**s 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

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



THE DISASTER RISK MANAGEMENT CYCLE



Planning on how to respond to disasters

should they occur. This includes the

provision of legislation, trained personnel

and resources

Definitions

Mitigation/Preventio

Activities which eliminate or reduce the

chance of occurrence or the effects of a

3 stages of DRMC

PRE-DISASTER

- Risk Assessment
 Mitigation/Prevention
- Preparedness

DISASTER RESPONSE

- Warning/Evacuation
- Saving People
- Providing
- Immediate Assistance
- Assessing Damage

POST-DISASTER

- Ongoing Assistance
- Restoration of Infrastructural
- Services

 Reconstruction
- (Resettlement /Relocation)
- Economic & Social Recovery
- Ongoing Development Activities
- Risk Assessment Mitigation/Prevention

DMCVE - GTORIJAID 2008

Sendai Framework Logical Relation between 7 Targets



Sendai Online Monitoring



PROGRESS OF GLOBAL TARGETS

COUNTRY REPORTING OVERVIEW



Challenges and Issues

- Multi Hazard and frequency of losses and damages
- Census data will be up dated 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.