

# Climate and disaster risk in the Multi-Dimensional Risk Analysis for UN Sustainable Development Cooperation Frameworks

Part of the full Training Package on Integrating DRR and Climate Change Adaptation in the UN Sustainable Development Cooperation Framework



**UNDRR**

UN Office for Disaster Risk Reduction

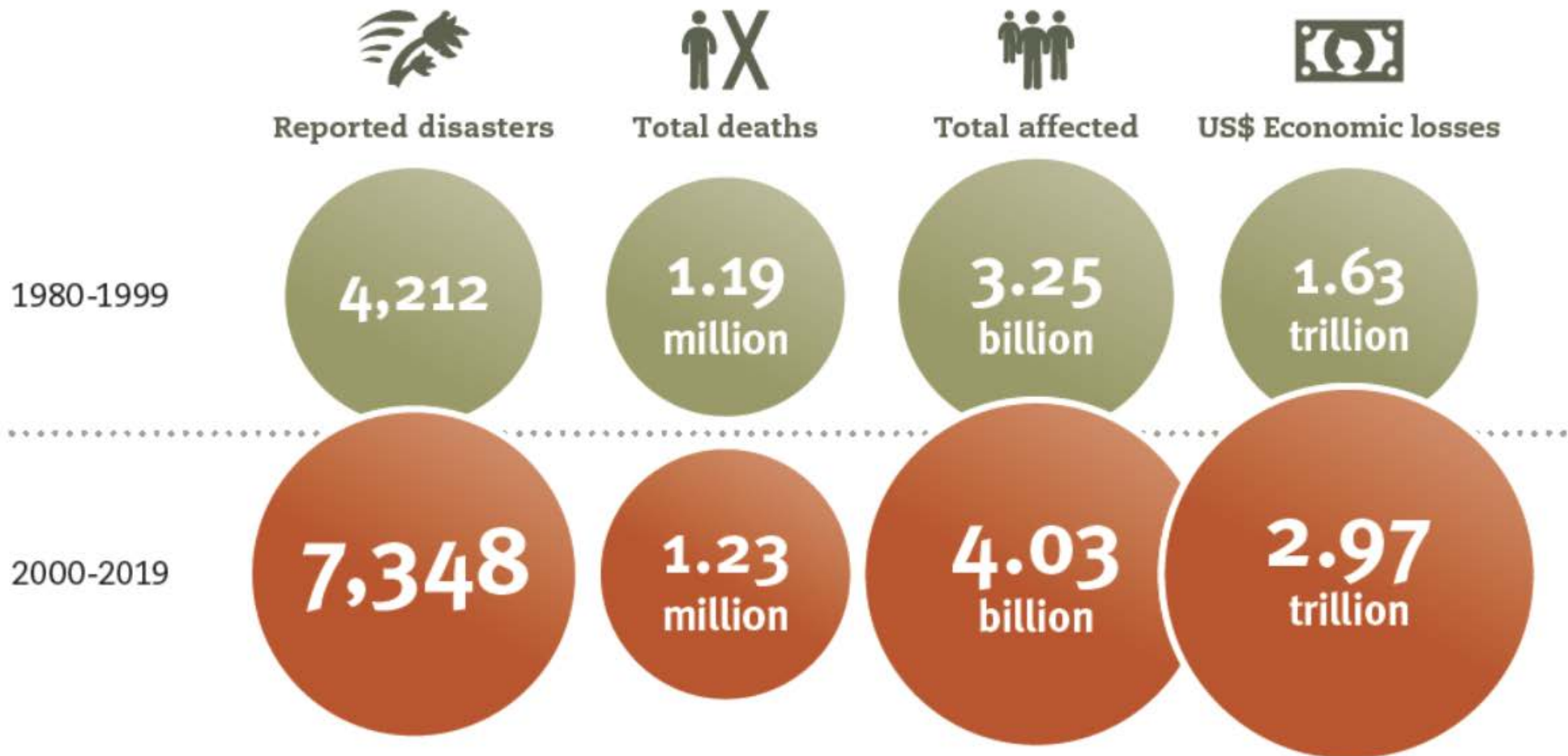


**SENDAI FRAMEWORK**

FOR DISASTER RISK REDUCTION 2015-2030

# Climate changes and disasters disrupting development

Disaster Impacts:  
1980-1999 vs. 2000-2019



# Risk-informing The Common Country Analysis

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## Common Country Analysis: Multi-Dimensional Risk Analysis

*"...the CCA should examine the probability, impact and priority of existing, emerging and future risks on a country's development trajectory, particularly its impact on those furthest left behind..."*

## SDG-Based Risk Framework

- Political stability
- Democratic space
- Social cohesion, gender equality and non-discrimination
- Regional and global influences
- Internal security
- Justice and Rule of Law
- Infrastructure and access to social services
- Displacement and migration
- Public health
- Food security, agriculture and land
- Environment and climate



# The Guidance Note on Integrating DRR and Climate Change Adaptation in the UNSD Cooperation Frameworks

- Explainers: how different disasters affect progress towards the SDGs
- Quick points: Climate and disaster risks and...
  - Leaving No-One Behind
  - HDP Nexus
- Guidance: Sources to inform climate and disaster risk analysis
- Examples: Early warning indicators



## NATURAL HAZARDS

Storms, Tropical Cyclones, Floods, Landslide, Fires, Tsunami, Earthquake, Drought, Heatwave, Cold Snap, Volcanic Activity

Causes loss of life and damages assets, infrastructure, settlements and ecosystems, and can trigger displacement



Losses and damage disrupt economic activities and governance, and access to basic services and education



Asset loss, livelihood and service disruption entrench multi-dimensional poverty and inequalities, and can trigger migration



## BIOLOGICAL HAZARDS

Infectious Diseases, Toxins, Plants, Insect Infestations, Human-animal Conflict, Substances, and Invasive Species

Causes loss of life, health, livestock, and/or crops, undermining food security



Losses and health impacts disrupt economic activities and in some cases ecosystem services, services and education



Livelihood and service disruption entrench multidimensional poverty and can trigger social distancing, gender-based violence and stigmatization



## SDG1 – NO POVERTY

1 NO POVERTY



*"Building the resilience of the poor and strengthening disaster risk reduction is a core development strategy for ending extreme poverty in the most afflicted countries. Economic losses from disasters are now reaching an average of \$250 billion to \$300 billion a year. Disaster risk globally is highly concentrated in low- and lower-middle-income countries."*

2017 Report of the UN Secretary General on Progress towards the Sustainable Development Goals

Most relevant SDG target	1.5 By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events other economic, social and environmental shocks and disasters.*
How climate and disaster risk can threaten achievement of the SDG	Disasters often lead to household and community asset loss and livelihood disruption, potentially triggering negative coping mechanisms undermining resilience. Recurrent disasters from all causes and climate change impacts drive multi-generational poverty.  Climate change and hazard events can exacerbate multidimensional poverty by impacting people's health and well-being, damaging ecosystems, infrastructure and food systems, and disrupting economic activities, education, health care and service provision.
How risk-blind pursuit of the SDG can generate climate and disaster risk	If laws, policies and programmes supporting livelihoods, job creation and economic growth do not consider disaster risk or projected climate change impacts, they risk promoting maladaptive practices, introducing new hazards and exacerbating existing risks.
Identifying country-specific climate and disaster risk to achievement of SDG	Are there geographical areas of overlap between pockets of multidimensional poverty, hazard exposure and climate change impact? Who lives there? Who works in the productive sectors located there and how diversified are their sources of income?  What have been the livelihood and employment impacts of previous disasters and known climate change impacts?
Identifying risks generated by development	Are the laws, policies and programmes supporting poverty reduction and employment generation sensitive to disaster and climate risks and the needs of men, women, youth, elderly and people with disabilities living in high-risk areas?
Cooperation Framework: Helping build disaster- and climate resilient societies and achieve the SDG targets	Develop the capacity of <a href="#">local government</a> , community volunteers and community organizations for disaster risk reduction, climate change adaptation, <a href="#">first response and disaster management</a> .  Establish and develop <a href="#">climate change</a> - and shock-responsive, scalable social safety nets, including for <a href="#">children and families</a> , for anticipatory and adaptive action and response to disasters and climate change.  Establish and properly maintain resilience infrastructure such as cyclone shelters, protective embankments, and robust lifeline utility systems and public buildings.  Establish and maintain multi-sectoral rapid <a href="#">early warning</a> , alert and response systems including robust means of <a href="#">communication</a> to inform the public prior to and during disasters and outbreaks to prevent and mitigate loss of lives, livelihoods and assets, <a href="#">including small businesses</a> .

## Appendix: Disaster and climate risk analysis: SDG-by-SDG

- How do climate and disaster risks threaten achievement of the SDG
- How risk-blind pursuit of the SDG can generate climate and disaster risk
- Questions to ask to identify the risks
- Actions to build resilience

# Thank you

Download the Guidance Note from:

<https://unsdg.un.org/resources/integrating-disaster-risk-reduction-and-climate-change-adaptation-un-sustainable>

For more information, please contact your UNDRR Regional Office:

<https://www.undrr.org/about-undrr/where-we-work>