

Work Stream 2.1: Climate Change and Disaster- Related Statistics

Status of Progress

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Capacity Building Workshop on Data Ethics, Governance and Quality in a Changing Data Ecosystem

2 – 4 September 2025

Nairobi, Kenya

Status of Work Stream 2.1

Workstream	WS.2.1 – Climate Change and Disaster-related Statistics
Lead entity/entities	ESCAP
Jointly implementing DA entities (if any)	ESCAP Jointly with UNEP and ECA
Total Budget	\$ 60,000
Utilization Rate	59 %

Activities of Work Stream 2.1 - Completed

- ECA co-organized, participated and contributed to the Third Expert Forum for Producers and Users of Disaster-related Statistics, which was hosted by ESCAP, held in Bangkok, Thailand, in 2023.
- ECA also co-organized webinars with UNEP and contributed in facilitating African Countries participation
 - African countries participated and contributed to the webinars
- ECA hosted the 4th Global Expert Forum for Producers and Users of Disaster-related Statistics (October 28 – 01 November 2024)
 - provides a platform where users and producers of disaster-related statistics collaborate and share knowledge, best practices,
 - create better understanding on the need for disaster-related statistics and major related international and regional activities: reporting to the Sendai Framework; the development of common disaster related statistics framework

Activities of Work Stream 2.1 - Ongoing

- Organization of the Fifth Global Expert Forum for Producers and Users of Disaster-related Statistics (06-08 October 2025), hosted by ECLAC (Virtual)
 - Invitations are sent out for Countries to participate in the Forum
 - Selection of Speakers to share African context, and national experiences
- Development of Compendium of Disaster related Indicators
 - ECA is developing a comprehensive compendium of disaster-related indicators tailored to the African context

	A	B	C	D	E
	Indicator Name	Definition	Data Source	Frequency	Responsible Agency
1					
2	Dimensions of Hazards				
3	Number of hazardous events per year (per type of hazard)	Annual count of distinct occurrences of specific types of natural or human-induced hazards within a defined geographic area.	National Disaster Management Agency	Annually	National Disaster Management Agency
4	Number of disease outbreaks (e.g., cholera; Ebola)	Number of reported cases of disease outbreaks such as cholera, ebola	Ministry of Health; Local health facilities; Public health organizations	Quarterly	Ministry of Health
5					
6	Exposure				
7	Proportion of population living in hazard-prone areas in relation to total population	The percentage of a population that resides in areas exposed to natural or human-induced hazards, such as floods, droughts, landslides, earthquakes, or industrial accidents.	National Statistical Office; National Disaster Management Agency	Annually	National Disaster Management Agency

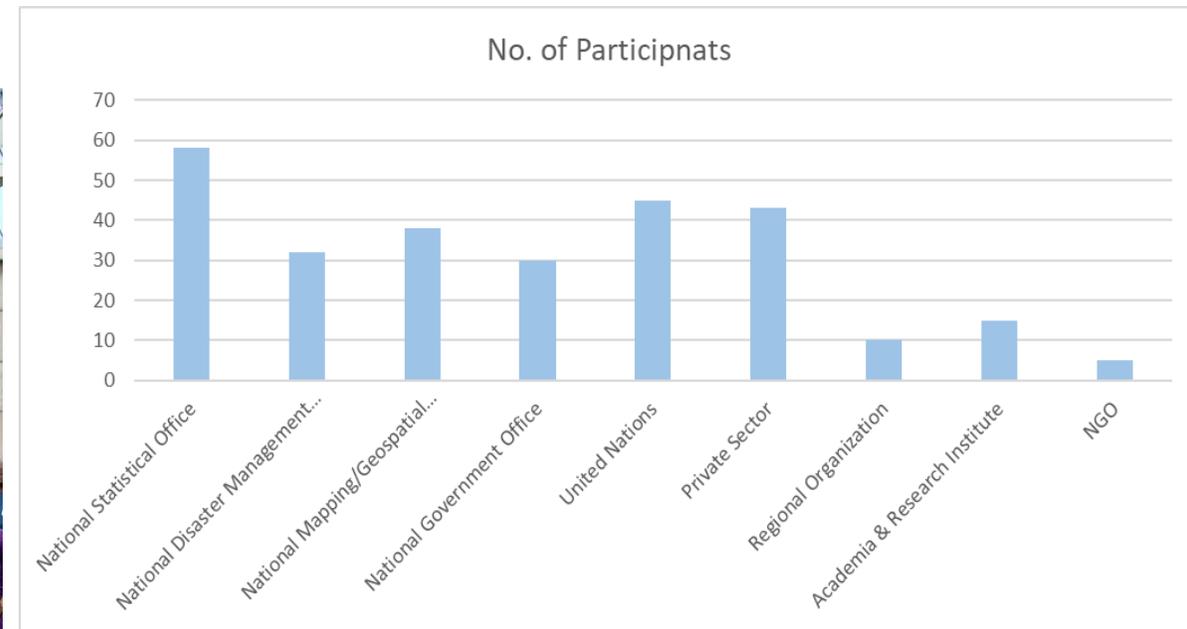
Key Achievements of WS: 2.1



Fourth Global Expert Forum for Producers and Users of Disaster Related Statistics

28 October, 2024 | 1 November, 2024
United Nations Conference Center, Economic Commission for Africa, Addis Ababa, Ethiopia

<https://www.uneca.org/eca-events/fourth-global-expert-forum-producers-and-users-disaster-related-statistics>



ECA hosted the 4th Global Expert Forum for Producers and Users of Disaster-related Statistics
October 28 – 01 November 2024

- 28 African countries represented out of 64 Member States participated
- 110 female (37%) and 189 male (63%) participants

Objective of Forum

- To provide a platform to discuss and exchange knowledge among stakeholders involved in the production and use of disaster-related statistics
 - Share and discuss best practices methodologies, and innovative approaches used and adopted at national, regional and international level for collecting, analysing, and disseminating disaster-related statistics
 - identify the needs, gaps and challenges in data collection, reporting, and utilization and formulate strategies to address them.
- To address the capacity needs of countries and strengthening their capacity and resources.
- To formulate conclusions and recommendations for improving statistical frameworks and methodologies for disaster-related statistics, in particular for the development of the Global Framework on Disaster-related Statistics.

Key Findings of Forum

Priority Needs:

- Standard methods and guidelines to produce disaster-related statistics
- The need to fill the data gaps and address challenges in the production of disaster-related statistics to meet the urgent data demands in each stage of disaster risk reduction
- The need for geospatial information in disasters, disaster risk reduction and management for effective planning and decision making
- The need for Common language, interoperability of data, including standardized definitions, terminology, and metadata
- Clear data-sharing protocols and regulations to ensure disaster statistics reach those who need it.
- Strengthen the technical capacity of both producers and users of disaster-related statistics to leverage new and emerging technologies to improve the accessibility, usability, and usefulness of disaster data in the broader context of disaster-related statistics.
- Increase financial resources targeting disaster risk reduction, including resiliency measures, that is informed by data

Priority Actions:

- Accelerate the development of the common Disaster Related Statistics Framework
- Integration of new and innovative technologies across all phases of data production by national statistical systems
- Incorporating geospatial dimension into data and statistics by benefiting from the existing frameworks, such as the Integrated Geospatial Information Framework (IGIF)
- Organizational mapping to know who's doing what, facilitating collaboration and avoiding duplication
- Enhancing coordination, preparing proactive communication strategies, enhancing the value of local knowledge systems.
- Standardizing definitions and metadata, establishing user-centric communication, providing audience analysis, organizing capacity building for data users.
- Mapping private and public flows into DRR, to ensure that they are informed by disaster risk and disaster impact data to maximize their impact.
- Engage with technology partners to inform future DRS work

Key Messages from the Forum

- There are significant data gaps in climate change and disaster-related statistics across many African countries, which hinder effective risk assessment, policy-making, and response planning.
- Partnerships are key on multiple levels from within countries, to between countries and across sectors. Harnessing strong relationships with NGOs and the private sector is also important
- Effective disaster data communication significantly depends on collaboration, standardized practices, and innovative outreach to foster informed decision-making across global, regional, and national levels
- The global common disaster related statistics framework is a key opportunity to bring together experiences, skills and knowledge, and called for contributions of different actors in the development of the framework

Resolutions

- The Inter-Agency and Expert Group on Disaster-related Statistics of the Statistical Commission should continue the dialogue and knowledge-sharing among members of the international community on disaster-related statistics;
- Members of ECA should collaborate with and participate in the work of other relevant organizations, including the **working group on geospatial information for disaster risk management of the United Nations Initiative on Global Geospatial Information Management**, the Expert Group on the Integration of Statistical and Geospatial Information and the **working group on geospatial information of the Inter-Agency and Expert Group on Disaster-related Statistics**.

Engagement with Target Country

Planned activities	Engagement
<p>Participation of selected experts from beneficiary and target countries to national, regional and global statistical events as resource persons to report on the Project and share good national practices.</p>	<p>Burundi, target country, was engaged in the participation of the 4th Global Expert Forum for Producers and Users of Disaster-related Statistics.</p> <p>Two representatives: one from the INSBU and the other one from the National Disaster Management Agency sponsored by UNEP for their participation.</p> <p>The National Disaster Management Agency contributed as resource person in the panel discussion in the Opening session of the Forum sharing good national practices from Burundi.</p>
<p>Capacity-building workshop in Namibia (13-17 October 2025)</p>	<p>Burundi Namibia</p>

Way Forward

- Finalize the development of the Compendium: a comprehensive compendium of disaster-related indicators tailored to the African context
- Identification of geospatial datasets relevant to disaster-related statistics (based on the compendium)
- Source available datasets for selected indicators and conduct analysis on disaster risk, with the selected indicators
- Development of geoportal: for managing and visualizing climate change and disaster-related data; for the dissemination of the compendium for disaster indicators, the datasets, and the results of analysis.
- Capacity building workshop (Target countries: Burundi and Namibia): deliver training and handover the compendium. Planned to be held in Namibia, 13-17 October.

Thank you!