Government of Nepal
Ministry of Home Affairs
National Disaster Risk Reduction and Management Authority
Singha Durbar, Kathmandu

NDRRMA and Its Role in DRRM in Nepal

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National Disaster Risk Reduction and Management Authority(NDRRMA)

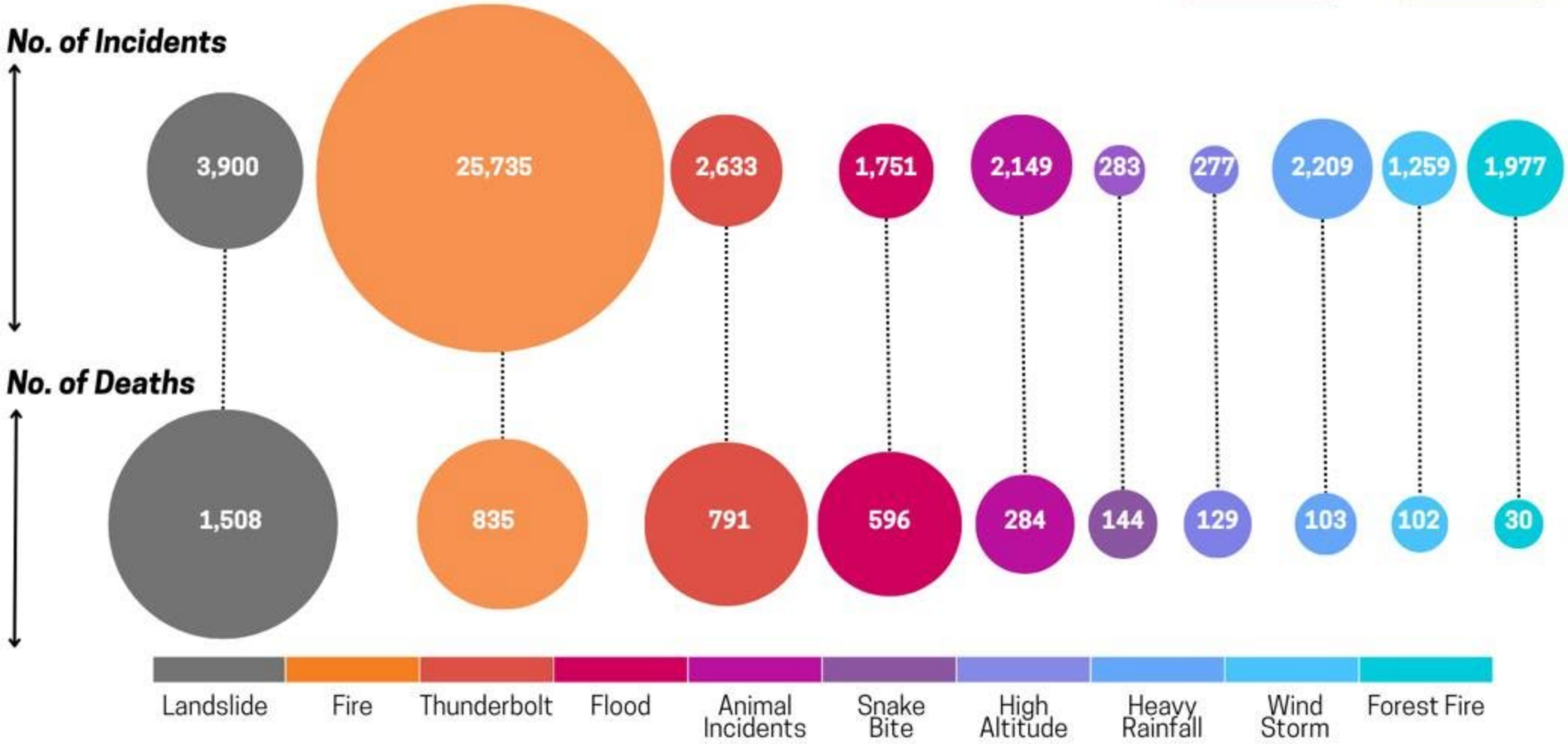
Major disasters and death toll in Nepal

in the last 10 years

2015 April 14 - 2025 April 13

Total Incidents Count
4,21,422

Total Deaths from Incidents
4,522



Data Source: *https://bipadportal.gov.np*

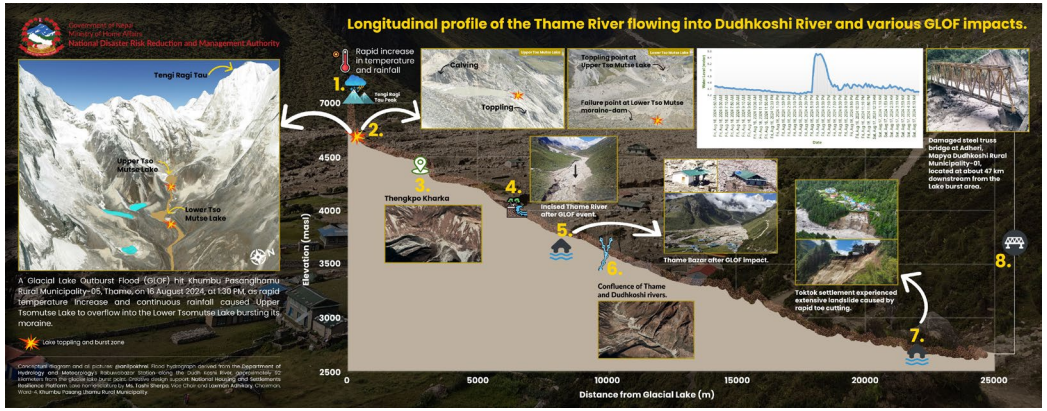
Recent Years' Disaster Trends

- **Melamchi Flood**, 15 June 2021
- **Glacial Lake Outburst Floods** (Thame, Rasuwa Gadhi, Humla, Birendra Lake)
- **Floods and Landslides in Kathmandu Valley and other areas** (26 to 28 September 2024)
- **Ilam Flood**, 4-5 October 2025

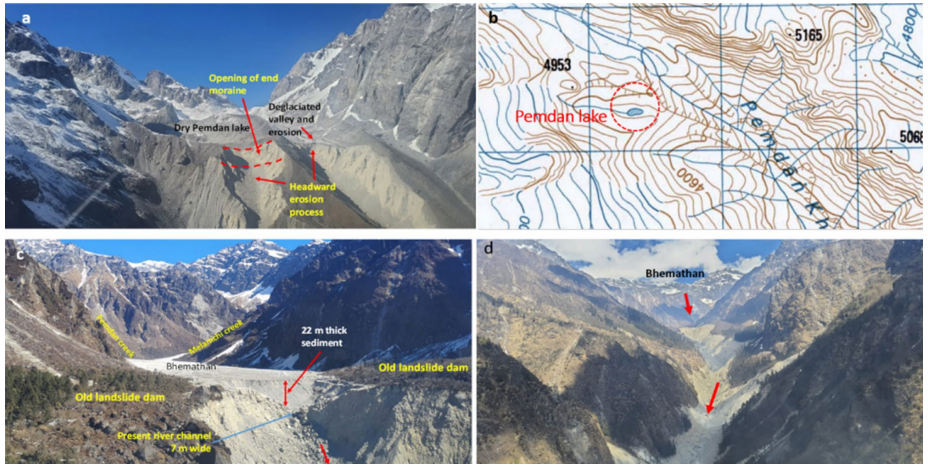
Recent Years' Disaster Events

Bhotekoshi Flood and Glacial Lake Outburst

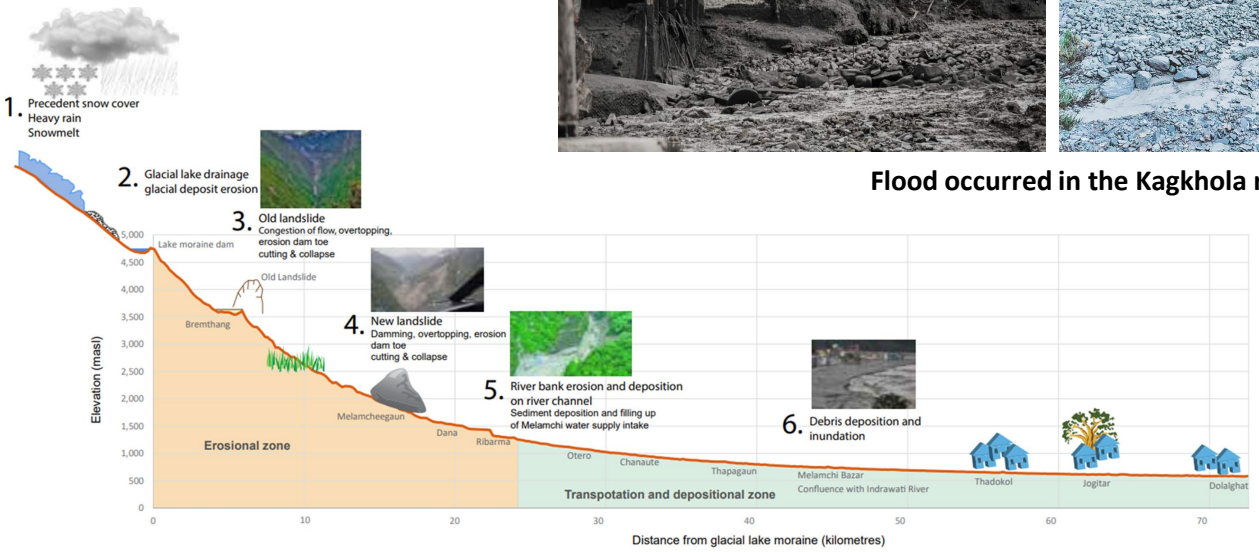
2024 Thame Glacial Lake Outburst



Flood occurred in the Kagkhola river



2021 Melamchi Flood



Legal and Policy Framework

Policy and Legal Provisions

International

- Sendai Framework (2015 – 2030)
- Sustainable Development Goals SDGs (2015-2030)
- Paris Agreement for Climate Change

National

Constitution of Nepal

- Disaster Risk Reduction National Policy, 2075
- Disaster Risk Reduction and Management Act, 2017 (2074 BS)
- Disaster Risk Reduction and Management Regulations, 2019 (2076 BS)
- National Strategic plan of Action 2018–2030
- National Disaster Response Framework, 2013 (2070 BS)
- 16th Five-Year Plan (Fiscal Year 2081/82–2085/86 BS)
- Procedures, standards, action plans, etc.

Provincial and Local Disaster Risk Reduction and Management-related Laws

Role and Responsibility of NDRRMA (Article 11):

Understanding Disaster Risk

- **Study and Research: C**onduct study and research on various disasters (floods, landslides, earthquakes, climate change, land use) and measures for their mitigation.
- **Information System: D**evelop and operate the National Disaster Management Information System for the collection, analysis, storage, and dissemination of information and data related to disaster management.
- **Use of Technology: S**tudy, research, and apply modern and traditional technologies such as geoscience, seismology, hydrology and meteorology, Geographic Information System (GIS), remote sensing systems, and early warning systems for disaster risk reduction.
- **Early Warning: C**ollect, analyze, and disseminate information immediately for advance notice of possible disaster events, and to operate and manage the National Emergency Operation Center.

Strengthening Disaster Risk Governance to Manage Disaster Risk

- **Policy Implementation: I**mplement plans, programs, and decisions approved by the **Council and the Executive Committee.**
- **Central Resource Agency: F**unction as the central resource agency for disaster risk reduction and management.
- **Coordination: E**ngage and involve non-governmental organizations, the private sector, and local communities in disaster management activities and to coordinate and facilitate their work.
- **Monitoring: M**onitor whether the ministries, departments, and other agencies of the Government of Nepal are fulfilling the roles and responsibilities assigned by the Executive Committee.
- **Advisory Role: P**rovide advice and suggestions to various agencies of the Government of Nepal and other institutions on matters related to disaster risk reduction and management.
- **Standard Setting: D**etermine subjects and standards for basic orientation training on disaster management to be provided by public institutions and business enterprises to their employees and workers.
- **Preparedness Mechanism: E**nsure that administrative and security mechanisms at federal, provincial, and local levels remain in readiness for immediate mobilization in disaster management.

Role and Responsibility of NDRRMA (Article 11):

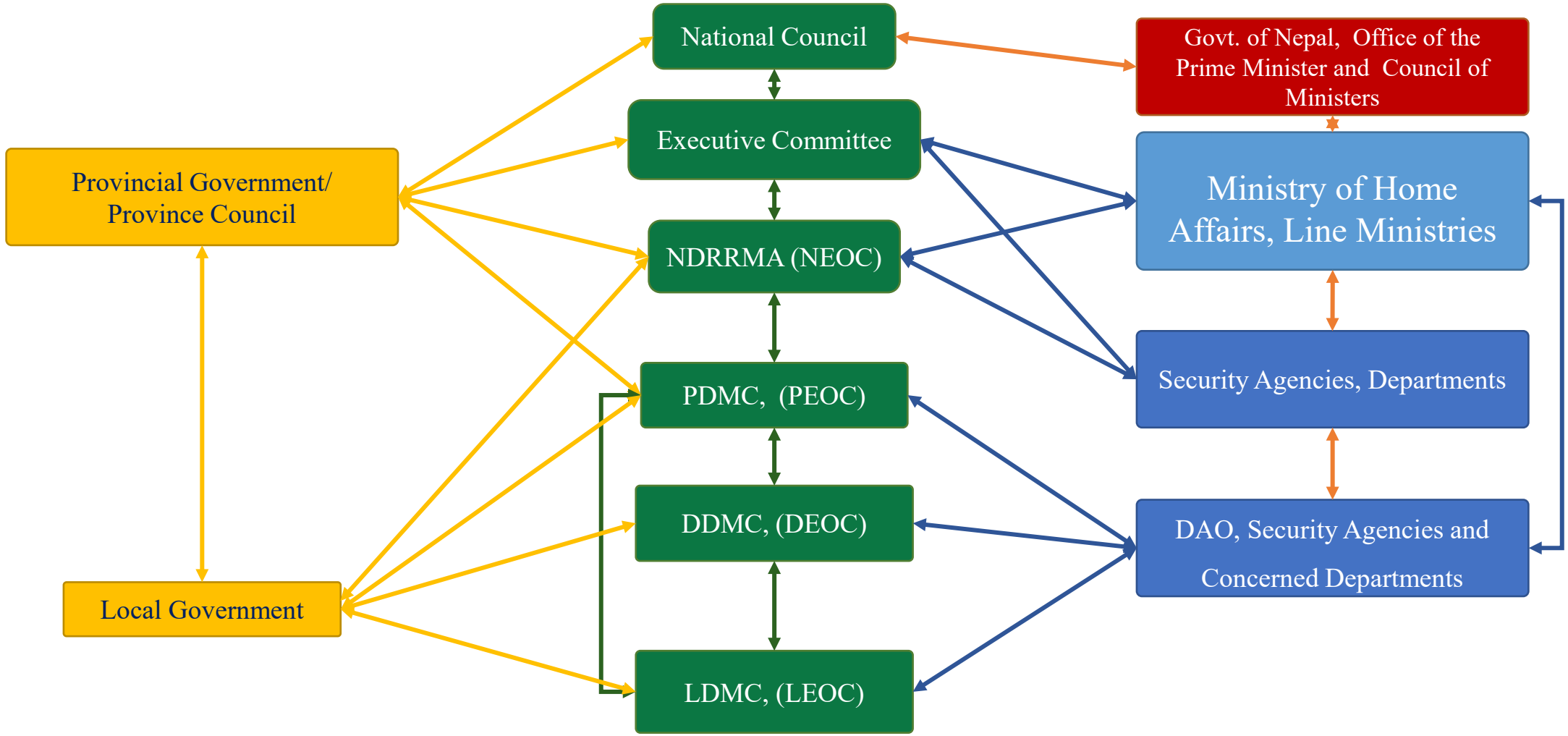
Investing in Disaster Risk Reduction for Resilience

- **Financial and Technical Support:** Provide financial and technical support to provincial and local levels for the formulation of periodic plans.
- **Awareness and Capacity Development: P**ublic awareness on disaster risk reduction.
- **Search and Rescue Capacity: C**apacity development for search and rescue groups at federal, provincial, and local levels.
- **Volunteer Bureau: E**stablish and mobilize a volunteer bureau for immediate engagement in search, rescue, and relief operations during disasters.
- **Emergency Warehouses:** Establish emergency warehouses for the storage and immediate supply of relief and rescue materials during disasters.

Build Back Better

- **Response:** Rescue persons in areas likely to be affected immediately after the occurrence of a disaster and to coordinate with concerned agencies to ensure reliable protection of the lives and property of affected residents.
- **Mobilization:** Mobilize security forces, search and rescue teams, flying squads, local communities, the Nepal Red Cross Society, Nepal Scouts, volunteers, technicians, and other concerned organizations for search and rescue of disaster-affected people.
- **Humanitarian Assistance Record:** To manage the national and international search and rescue groups as well as cash and relief materials received for humanitarian assistance after a disaster.
- **International Assistance Record:** To maintain an integrated record of international, bilateral, and multilateral assistance received in the field of disaster management.
- **Flying Squad:** To establish a flying squad for immediate mobilization during disasters.
- **Temporary Resettlement:** To mobilize local communities and volunteers for temporary resettlement of disaster-affected citizens and for the construction of learning centers.
- **Coordinated Response:** To coordinate the mobilization of private sector, non-governmental organizations, local communities, and other stakeholders in disaster response.
- **Psychosocial Counseling:** To provide and cause to be provided psychosocial counseling services to disaster-affected persons.

Interrelationship between Government, Committees, Authorities, and EOCs



CE of NDRRMA acts as the Member- Secretary of National Council and Executive Committee

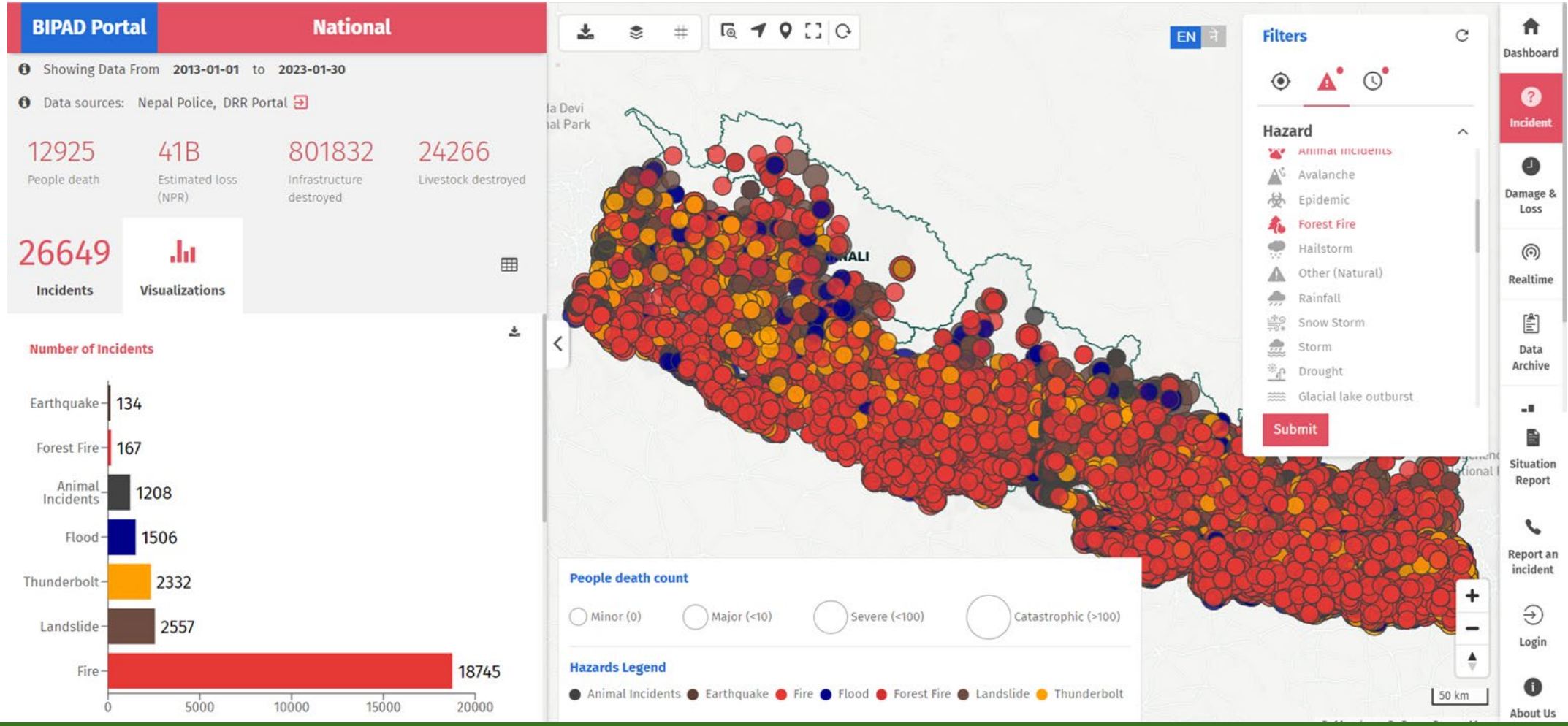
Disaster Management Information Systems

Bipad Portal https://bipadportal.gov.np/

An Integrated Disaster Information Management System

01	To enhance preparedness and early warning system	• Incident, Damage and Loss data mapping • Hazzard, Exposure, Vulnerability mapping • Risk Maps, Climate Change mapping
02	To strengthen disaster communication	• Projects Monitoring • Contacts • Documents and meeting minutes
03	To strengthen emergency response	• Integration with godam/warehouse for emergency equipment • Real time data integration for early warning • Capacity and Resources mapping
04	To enhance coordination post-incident	• Situation report at palika level • DRRM report at palika level • Report an incident
05	For evidence-based planning, decision making and policy making	• Assessment • Visual Risk • Relief & Response

Hazard's Incidents in Bipad Portal https://bipadportal.gov.np/



DRRM e-Learning Platform https://elearning.ndrrma.gov.np/

01	e-Learning platform for government and non-government agencies working on Disaster Risk Reduction and Management.	• Officials at Federal, Provincial and Local Level government. • General Public. • National and International e-learners.
02	e-Platform to manage e-courses related to disaster in English and Nepali.	• Introduction to Disaster Risk Reduction and Management - Available Course • Introduction to GEDSI in DRRM - Available Course • 6 Courses - in English and Nepali
03	e-Learning modules and sessions are drawn largely from three key document	• Disaster Risk Reduction National Strategic Plan of Action 2018-2030 prepared by Ministry of Home Affair (MoHA) • Disaster Risk Reduction and Management Act 2017 • Sendai Framework for Disaster Risk Reduction 2015-2030

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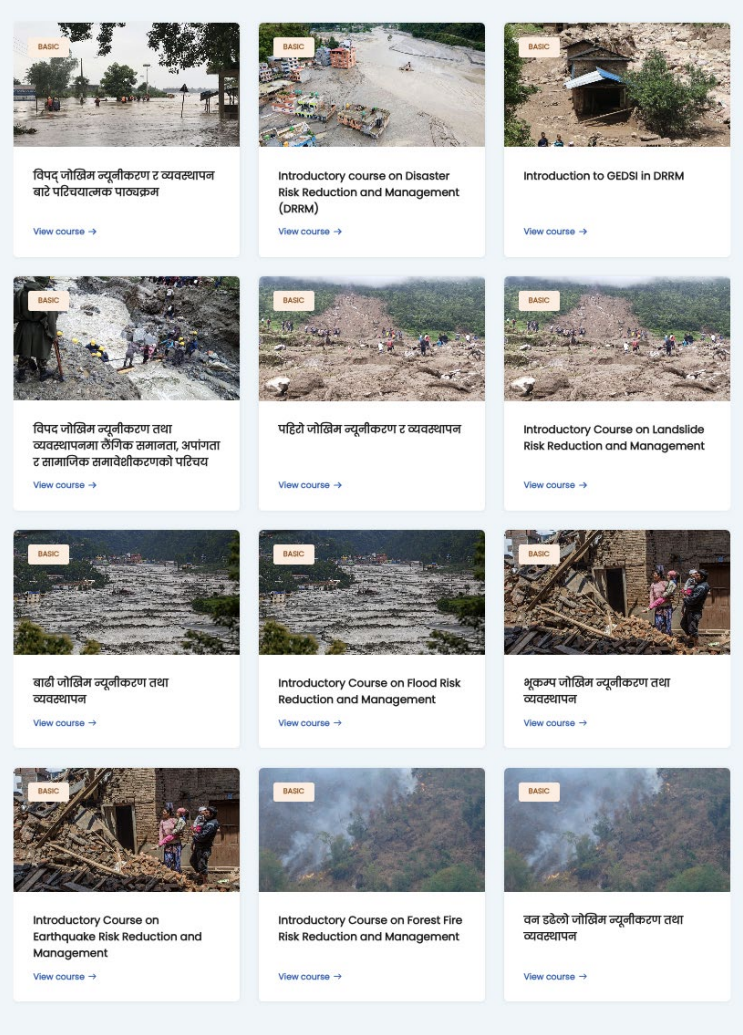

National Volunteer Registration and Mobilization Platform

https://vms.ndrrma.gov.np/

Is a robust database that houses records of all volunteers based on age, skills, preferences, and availability along with the functionality to manage (add, edit, delete)

01	To maintain a robust database that houses record of volunteers based on age, skills, preferences, and availability,	• Volunteer Registration • Volunteer Assignment • Volunteer profile
02	To manages volunteer information (add/creates, edit/update, assign, schedule, task reports)	• Scheduling and activity tracking • Find events, assignments, shifts and volunteers.
03	To implement user centric approach and customizable web platform for maximum flexibility and functionality.	• Personalized individual report for each volunteer with location • Personalized individual report for each team leader/manager with location
04	To support local level involvement in managing and maintaining volunteer.	• Volunteering program management at local level • National, provincial and local level report

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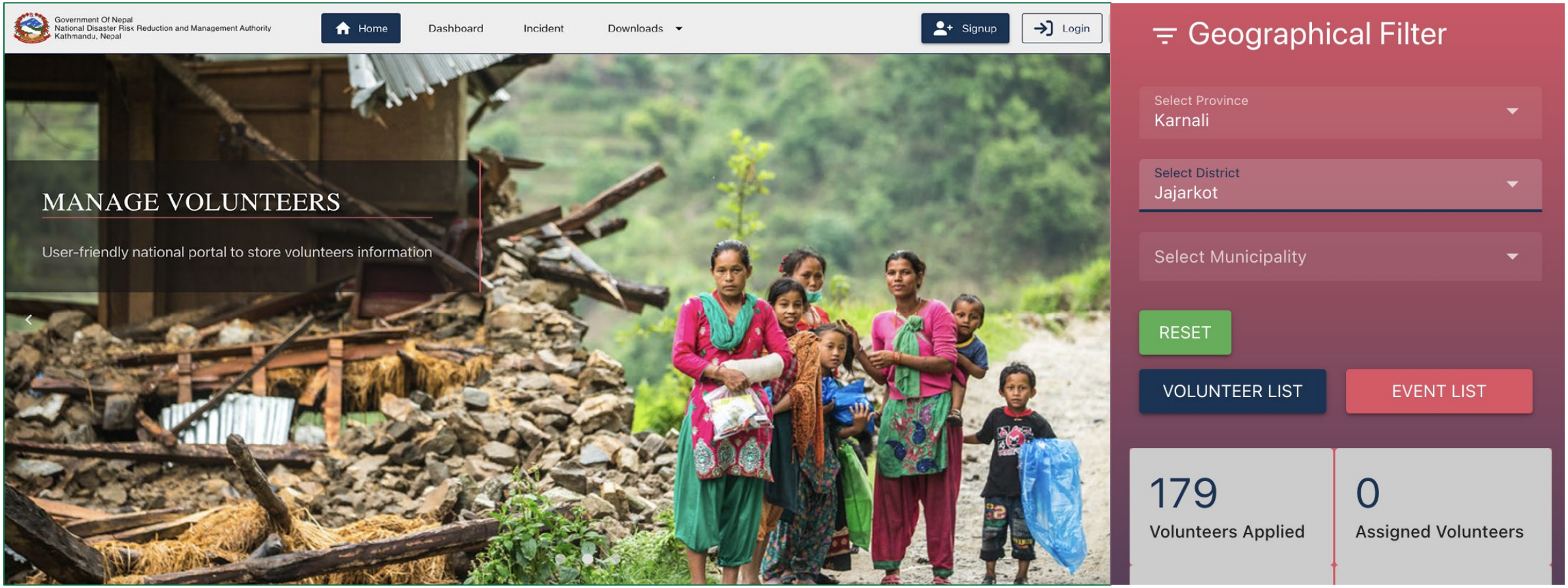
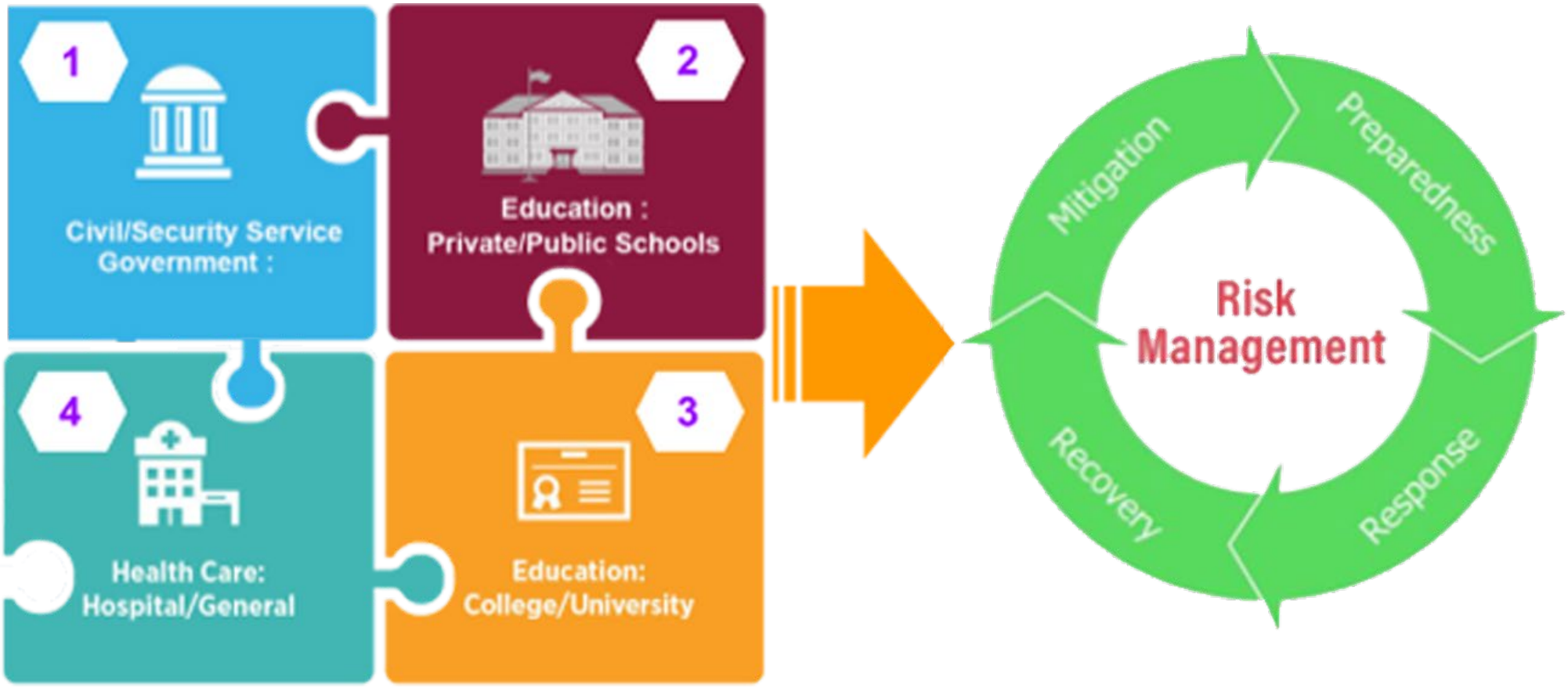


NDRRMA Reconstruction MIS https://reconstruction.ndrrma.gov.np/

01	Survey	• KoboCollect - Mobile Assessment • https://kobo.bipad.gov.np/
02	Enrolment	• Palika level verification • Provincial level verification • Palika – Enroll the beneficiary
03	Inspection	• Enrolled beneficiary, then will be eligible for 3 levels of Inspection.
04	Payments	• Payment bucked assignment • Payment recommendation • Conduct Tranche Payment

Multi-Hazard Rapid Visual Survey(RVS) - Public Buildings

https://assessment.ndrrma.gov.np/



Online Platforms

ndrrma.gov.np

https://www.facebook.com/NDRRMA

x.com/NDRRMA_Nepal

विपद् सूचना (NDRRMA)

https://www.youtube.com/@NDRRMA

THANK YOU