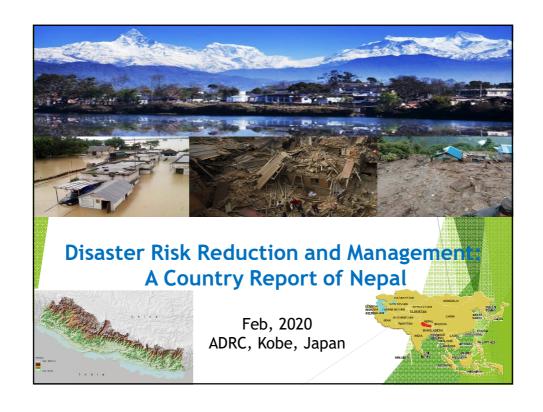
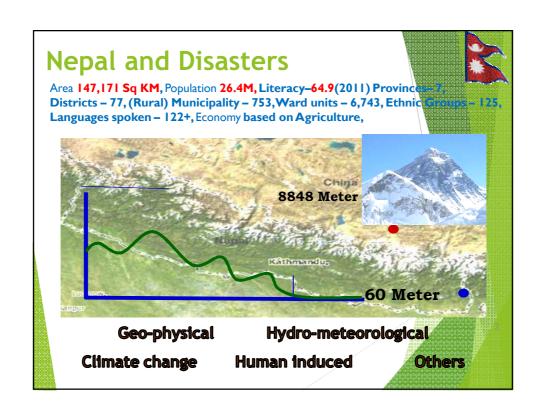
Disclaimer

This report was compiled by an ADRC visiting researcher (VR) from ADRC member countries.

The views expressed in the report do not necessarily reflect the views of the ADRC. The boundaries and names shown and the designations used on the maps in the report also do not imply official endorsement or acceptance by the ADRC.







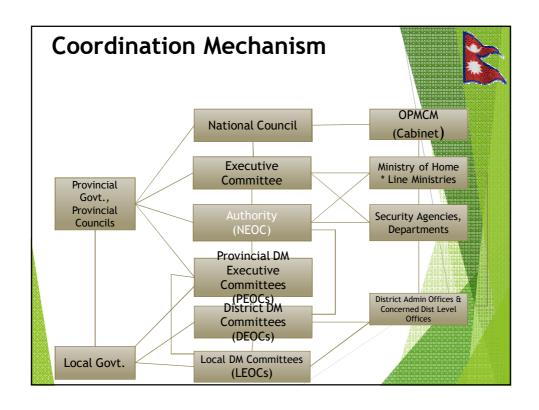
Key DRR Policies

- Constitutional Provision
- DRR and Management Act, 2017
- DRRM Regulations, 2019
- Local Government Operations Act, 2017
- ▶ DRR National Policy, 2018
- DRR National Strategic Action Plan, 2018-30
- National Periodic Plan
- Various Other Guidelines

Primary Functions of MoHA

- Maintain law and order,
- Maintain Peace and security
- Immigration and border control
- Disaster management
- Manage Local Administration
- Manage National ID, citizenship and civil registration

DRR Roles & Organizational Cha Ministry of Home Affairs (MoHA) Roles of MoHA for DRR Develop National DRR policies and plans **National Disaster** Monitor the Disaster and **Risk Reduction** and Management Conflict Implementation of DRR **Authority** Management policies (NDRRMA) **Division** Preparing DRR Reports Cluster Coordination and National Disaster Study, Leads Logistic Cluster **Risk Reduction Emergency** National/international **Operation Center** and Recovery (NEOC) Section DRR stakeholders coordination.



SFDRR Implementation
Nepal's roadmap to implement SFDRR is Disaster Risk Reduction National Strategic Plan of Action (2018- 2030)

- 4 Priority Areas, 18 Priority Actions and 271 Activities Priority 1: Understanding Disaster Risk:
 - Assessments and database
 - Initiate mapping and consolidate various multi-hazard risk assessments.
 - ▶ Comprehensive Disaster Information Management System (DIMS).
 - Capacity Building
 - Capacity development of security forces for SAR.
 - Awareness program on DRM to government & non government stakeholders.
 - Monitoring
 - Establish and expand Seismic stations, hydro-metrological stations, lightning detection centers.
 - Prepare Kathmandu valley soil liquefaction map.
 - Major glacier lakes monitoring and regular assessment system in place.
 - Forest and bush fire monitoring



Priority 2: Strengthening Disaster Risk Governance at Federal, Provincial and Local Level:

- Institutional Arrangements
 - National DRRM Authority (9th December, 2019)
 - DRRM Councils at Federal and Provincial Level and DRM Committees at all levels.
 - Institutional structures, identify focal person (units)
- Policy backups
 - · DRR policies, laws, action plans.
 - · Localization of DRR policies and legal frameworks
 - DRR and CCA are incorporated in local levels planning (LDCRP)
- Engagements
 - Disaster preparedness and response activities
 - · Mainstream DRR in development plans
 - · EOCs established at all levels
 - DRM Funds at all levels

SFDRR Implementation....Contd

Priority 3: Promoting Comprehensive Risk-Informed Private and Public Investments in Disaster Risk Reduction for Resilience:

Partnerships:

- DRRM investments
 - Public funds
 - Donors, Development partners, UN agencies, (I)NGOs
 - Private sector (Recovery and reconstruction)
- Recovery program undergoing (Public+Partners+Private)
 - · 2015 Earthquake
 - 2017 Floods
- Partnership initiatives
 - Managed disaster funds at each level
 - · Encourage private sectors to invest on DRR programs
 - Public and Private properties are identified as open space in Kathmandu Valley
- Risk Transfer models
 - Health Insurance, Livestock insurance, Social Security in place.
 - · Karnali Province insured all its citizens for Disaster and Accidental incidents.





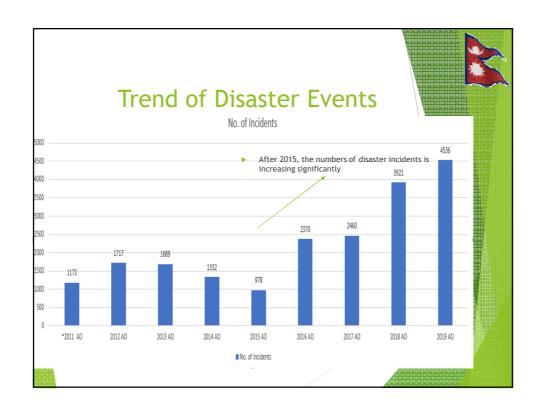
Priority 4: Enhancing Disaster Preparedness for Effective Response and to "Build Back Better" in Recovery, Rehabilitation and Reconstruction:

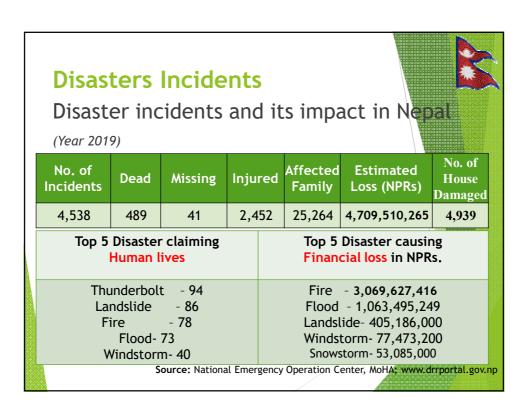
- ▶ Recovery, Rehabilitation and Reconstruction
- National Reconstruction Authority is leads reconstruction activities as per the Rehabilitation Policy and Post Disaster Recovery Framework.
- NRA supports disasters affected people with reconstruction needs
- Apply "Build Back Better" principle in reconstruction
- Enforcement of Building Code
- Early warning system (Hydro-meteorological) disease surveillance system(EWARS)
- ▶ Preparedness for Response (Resource and Capacity)
 - DPRP LDCRP plans and simulation exercises
 - Enhanced SAR capacity of security forces, each of them have DRR schools
 - · Community-based disaster activities on mitigation and prevention
 - · Regular updates of heavy equipment located in the strategic locations.
 - HSA at the center, FLBs at Province & MLHs strategic locations.
- · Warehouse at federal, provincial and local levels
- · Trauma centers at strategic Locations

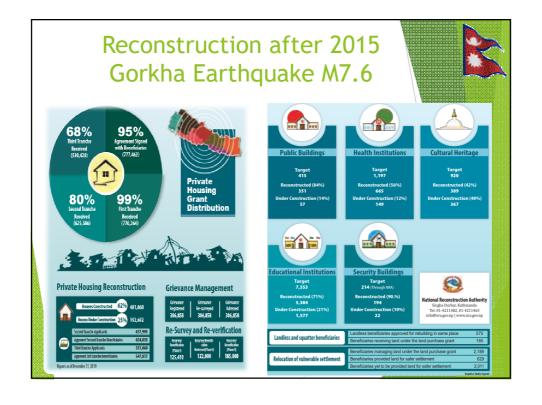
Type of Disaster	No. of Incidents	Death	Missing	Injured	Affected Family	Houses Damaged
Fire	12694	1755		2176	265962	90044
Lightning	2143	1780		3235	7758	1000
Landslide	3729	5141	191	2053	559347	34094
Wind storm	298	21		95	1718	1279
Flood	4368	4628	87	615	3726261	230900
Epidemic	3474	16598		44992	513409	c
Avalanche	3	17	4	7	1	c
Snow Storm	7	97	7	0	10	C
Hailstones	134	9		24	3407	157
Earthquakes	175	9771		29142	890995	982855
Cold Waves	438	563		83	2441	C
Others*	1134	626	13	919	3214	2461
Total	28597	41006	302	83341	5974523	1342790
(Average)	608	872	7	1773	127118	28570

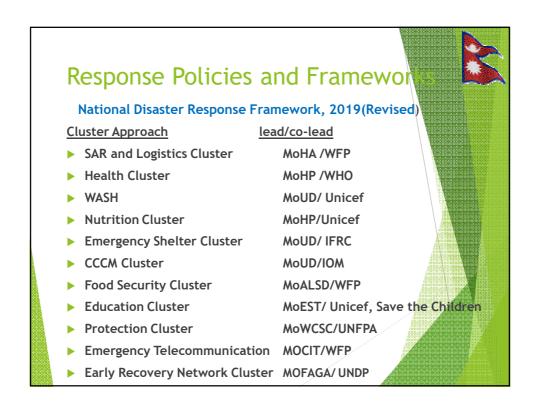
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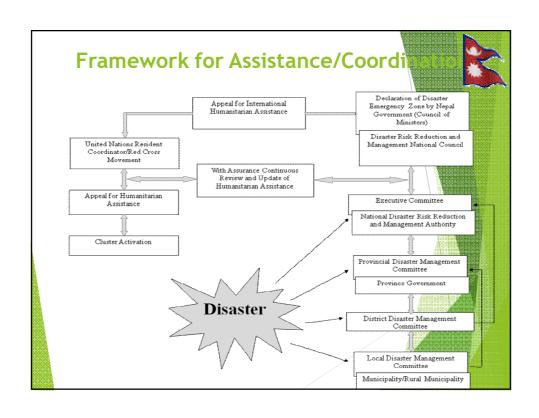
Loss and					Gork	ha	
	٨	۸L7.	6 EQ				
	Disaster Effects (NPR million)			Distribution of Disaster Effects (NPR million)		Losses in per- sonal income (NPR million)	
	Damages	Losses	Total	Private	Public		
Social Sectors	355,028	53,597	408,625	363,248	45,377	-	
Housing and Human Settlements	303,632	46,908	350,540	350,540	-	-	****
Health	6,422	1,122	7,544	1,394	6,150	-	*******
Education	28,064	3,254	31,318	2,365	28,953	-	
Cultural Heritage	16,910	2,313	19,223	8,948	10,274	-	
Productive Sectors	58,074	120,046	178,121	158,079	20,043	17,124	0.0000000000000000000000000000000000000
Agriculture	16,405	11,962	28,366	25,813	2,553	4,603	
Irrigation	383	-	383	-	383		
Commerce	9,015	7,938	16,953	16,953	-	2,667	à.
Industry	8,394	10,877	19,271	19,271	-	3,654	1
Tourism	18,863	62,379	81,242	75,105	6,137	6,200	
Finance	5,015	26,890	31,905	20,937	10,969	-	
Infrastructure Sectors	52,460	14,323	66,783	17,281	49,502		
Electricity	17,807	3,435	21,242	15,569	5,673	-	
Communications	3,610	5,085	8,695	1,712	6,983		
Community Infrastructure	3,349	-	3,349	-	3,349	-	117 #
Transport	17,188	4,930	22,118	-	22,118		y
Water and Sanitation	10,506	873	11,379	-	11,379	-	
Cross-Cutting Issues	51,872	1,061	52,933	1,755	51,178	-	
Governance	18,757	-	18,757	-	18,757	-	
Disaster Risk Reduction	155	-	155	-	155	-	
Environment and Forestry	32,960	1,061	34,021	1,755	32,267	-	
Total	517,434	189,027	706,461	540,362	166,100	17,124	*****

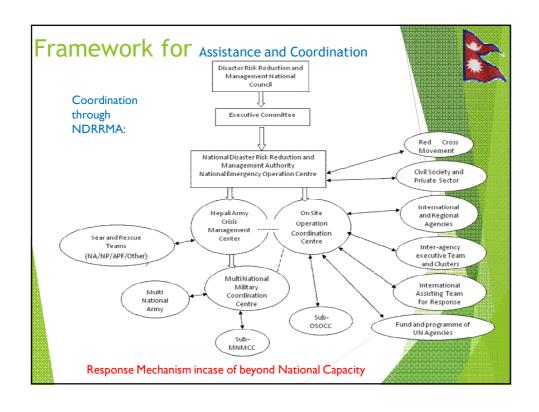


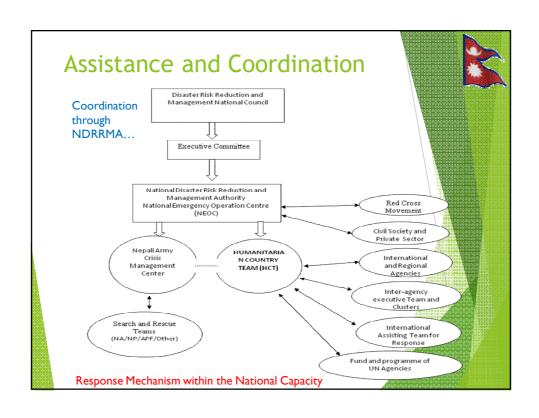












Challenges:

- Mainstreaming DRRM
 - Plans and activities of governments reflected and underscored in the for DRR are not substantiated in their annual programs and budgets.
 - lack of tools to assess contribution of an investment in development sectors towards
 - Understanding risk of different geographies, different communities, different hazards and different economic activities while scientific risk assessments are very limited.
 - lack of common understanding between and within the new governance system stands as another challenge.

- Institutional strengthening and capacity building
 - ▶ DRR approach has not come in front on the institutions . New policies are gearing up the concept.
 - Scope and O&M of new $\ensuremath{\mathsf{NDRRMA}}$ is yet to be confirmed.
 - SOPs and standards have not been fully developed
 - Overlapping, lack of uniformity and common understanding
 - Lack of adequate coherence in different national and international instruments

Challenges...

- Other challenges
 - ▶ Information, technology and knowledge gap on the practical aspects of the DRRM
 - ▶ Prevalence of new forms disaster, urbanization, unprecedented disaster.
 - ► Aligning DRRM landscape with political transformation
 - ► Uncertainty of risk due ► Ensuring Inclusiveness to climate change.

- ► Trans-boundary nature **T** hazards and need of bilateral. international efforts.
- Proper utilization of financial and other resources and the capacity available internally and externally with transparency.
- ▶ Disaster Information and Management System is developed and launched. The information and its continuity



Way forward:

- Better understanding of disaster risk through scientific research and comprehensive risk assessment
- Formulation of additional necessary DRR policy measures, strategies, guidelines by 2020. (Land use plan, Early warning System etc.)
- Institutional arrangements and set up of institutional structures (such as NDRRMA, EOCs).
- Implement actions of Strategic Action Plan - complete short-term, and initiate and complete long term as appropriate.(Building code)
- Bilateral and international cooperation regarding our priorities. (International support for technological transfer, knowledge management)
- Empowering province and local governments for effective leadership role in disaster risk management

- Ensure meaningful participation of word person with disability, minority a vulnerable groups in the overall program decisions and implementations.
- Develop international fund for DRR developing countries
- Provide and share more data and evides on the benefits of investing in preparedness.
- Effective and integrated implementation DIMS.
- The disaster resilient livelihood options need to be promoted to strengthen community resilience
- Ensure appropriate technologies and innovations are in place to have the biggs impact on overall DRRM of the country
- Develop multi hazard SAR capacity at all levels.

My Research:

Topic- A comparative study of legal instruments on disaster risk management in Japan and Nepal.

- Nepal has new governance system with new laws
- ► There are DRR related acts, policies, plan and some guidelines at the Federal level
- Province and local level are issuing new laws under the national umbrella
- The guiding instruments for technical aspects is lacking
- Many other things may lack

Expected Results:

- I. Identification of policy gaps in disaster risk management in Nepal
- ► II. Prescribing the policy needs for emergency management and disaste risk reduction in Nepal
- III. Enhance personal skill to work for DRR in Nepal

Thank You Dhanyabad Arigato Gozaimasu



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