

# Flagship 4: Integrated Community Based Disaster Risk Reduction National level workshop

28 March 2013  
Himalaya Hotel, Kathmandu

## Testing Early Warning Systems from communities to the national level



Anup Phaiju



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# CBDRR in Nepal

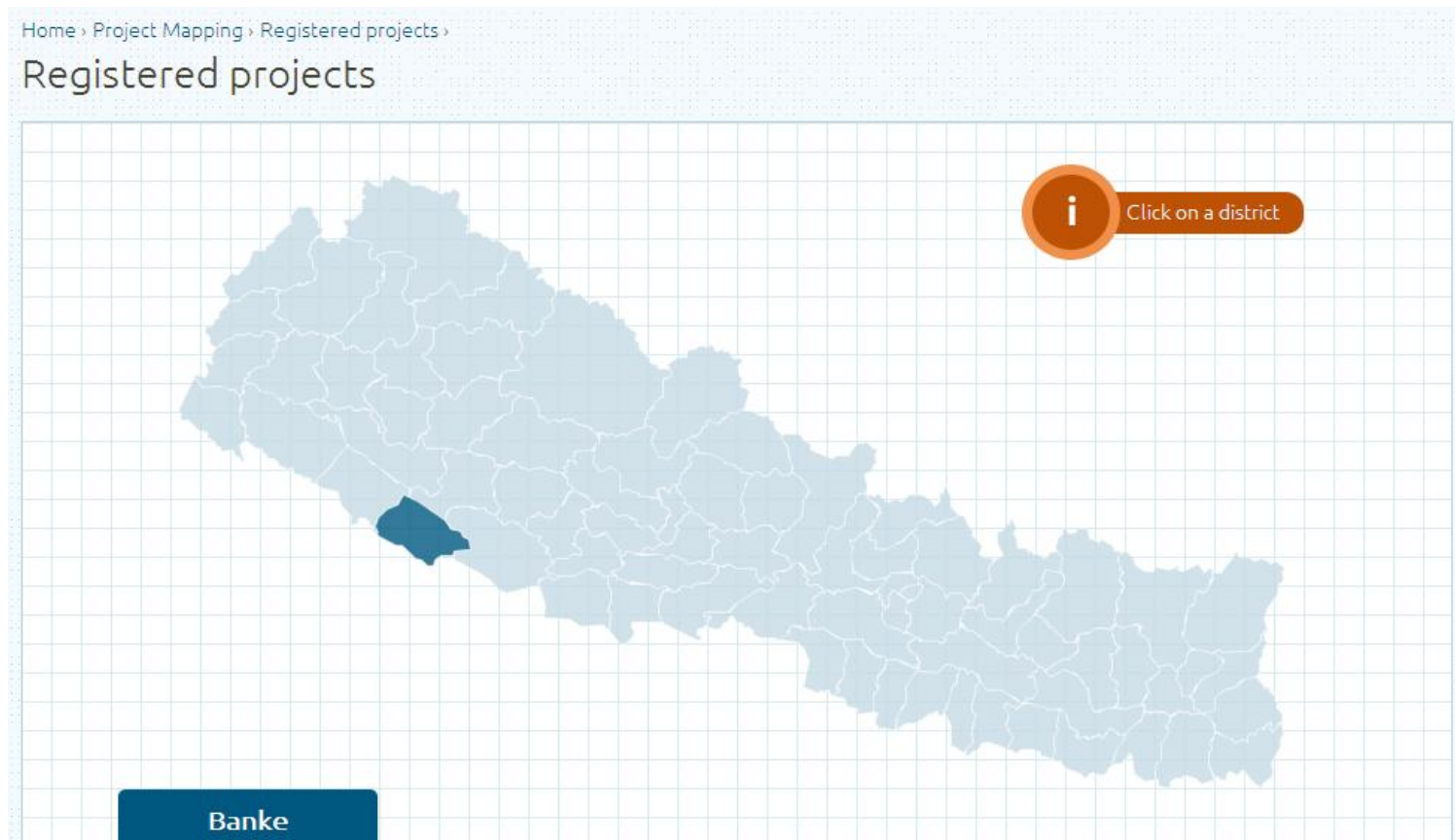


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**PRACTICAL ACTION**  
Technology challenging power



§ Out of 75 district, CBDRR in 65 districts



§ ... and many of them have EWS ...

Source: <http://nrrc.org.np/projects-mapping>

# EWS in Action



**PRACTICAL ACTION**  
Technology challenging poverty



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§ August 3, 2012 Flood in West Rapti

§ Highest flood in last 35 years



Manke District



§ 8 VDCs were in risk

# EWS in Action ...



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Technology challenging poverty



- § Communities were well-informed on time
- § ... and they responded



*"We succeeded to be alive and save our valuable properties because communities got flood information",  
Mr. Pralad Dhobi, Holiya VDC, Banke*



# EWS in Action ...



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Technology challenging poverty



- § However, communities' worry continued to rise
- § Rapid erosion of river bank threatened the entire community at Holiya



# EWS in Action ... DDRC Response



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Photo 1: Electronic Display board installed in DAO premises.



§ Deployed Security forces with support materials & equipment

# EWS in Action ... DDRC Response



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Technology challenging power



"This is a great achievement. I am happy that despite of huge flood, there was no human casualty. I heard this is the highest flood in Banke. I am able to communicate with Indian counterpart to open all the 14 doors of Laxmanpur Barrage. That is because of timely information", Mr. Dhundi Raj Pokharel, Chief District Officer, Banke District.



Source: Case study, NRRC & Real Time Evaluation, Practical Action



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Technology changing people's lives



# Lesson ?







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So the question is how to link  
communities with district government  
& national government ?

... so that better support and assistance  
could be provided when and where  
required ...



Government of Nepal  
Ministry of Home Affairs



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**PRACTICAL ACTION**  
Technology catalyzing peace



### National Disaster Response Framework (NDRF)



## 33 Future Courses of Actions on Emergency Response Preparedness

43 Future Courses of Actions on Emergency Response Preparedness

| S.N | Activities  | Lead Agency | Coordinating Agency           | Supporting Agency   | Timeline        |
|-----|---|-------------|-------------------------------|---|-----------------|
| 1   | Preposition of Fuel Stock near access to NEOC/REOC/DEOC including Kathmandu Valley  | NEOC        | MoCS                          | Security Agencies, Petroleum Dealers Association, SAJHA, Petrol Pump  | Within 3 months |
| 2   | National Strategy on Early Warning System, Finalization and Endorsement   | MoSTE       | MoHA                          | DEM   | Within 6 months |
| 3   | Development of Emergency Communication Strategy   | MoC         | MoHA                          | NEOC/REOC/DEOC, NRCS, DP-Net, IOM, WFP, Donor Agencies  | Within 6 months |
| 4   | Preposition of Food items at regional and district level  | MoCS        | MoHA                          | Local Government, NRCS, WFP, INGOs, Donor Agencies  | Within 6 months |
| 5   | Simulation exercises and drills plan  | NEOC        | Security Agencies, NRCS, DDRC | Local Government, NRCS, UN Agencies, DP-Net, INGOs, Donor Communities   | Within 6 months |
| 6   | Response Focal Point Establishment  | NEOC        | MoHA                          | Concerned Ministries and Departments, Local Government, Security Agencies, UN Agencies, Red Cross Movement, INGOs, Donor Agencies | Within 6 months |
| 7   | Agreement with Kolkata port and unity and Western Indian Railways to first truck relief consignments/cargo to Birgunj dry port on large scale disaster response | MoPW/WM     | MoHA/MoFA                     | EDARC, UN Country Team, UN Cluster and Member Agencies, WFP   | Within 6 months |
| 8   | Testing of Early Warning System between Technical Agencies and NEOC   | MoSTE       | MoHA                          | MoSTE, DMG, DDC, NSC, UN Cluster and Member Agencies, OCHA  | Within 1 year   |

Testing of Early Warning System between  
Technical Agencies and NEOC

Prepared by  
Advisory Committee Members  
Ministry of Home Affairs  
August 2012

# But how ?

43 Future Courses of Actions on **Emergency Response Preparedness**

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| 2   | National Strategy on Early Warning System Finalization and Enforcement   | MoSTE       | MoHA                          | DHM  | Within 6 months |
| 3   | Development of Emergency Communication Strategy  | MoC         | MoHA                          | NEOC/REOC/DEOC, NRCS, DP/No. COM, WFP, Dozer   | Within 6 months |
| 4   | Preposition of Food items at regional and district level   |             |                               | Local Government, NGOs, Dozer Agencies   | Within 6 months |
| 5   | Simulation exercises and drills plan   |             | Security Agencies, NRCS, DORC | Local Government, NRCS, UN Agencies, DP/No. NGOs, Dozer Communities  | Within 6 months |
| 6   | Response Focal Point Establishment   | NEOC        | MoHA                          | Concerned Ministries and Departments, Local Government, Security Agencies, UN Agencies, Red Cross Movement, NGOs, Dozer Agencies | Within 6 months |
| 7   | Agreement with Kollata port authority and Western Indian Railways to shut track relief consignments/cargo to Birgunj dry port on large scale disaster response | MoPW/IM     | MoHA/MoFA                     | EDMC, UN Country Team, UN Cluster and Member Agencies, WFP   | Within 6 months |
| 8   | Testing of Early Warning System between Technical Agencies and NEOC  | MoSTE       | MoHA                          | MoSTE, DMG, DDM, NSC, UN Cluster and Member Agencies, OCHA   | Within 6 months |

**Simulation exercises and drills plan**



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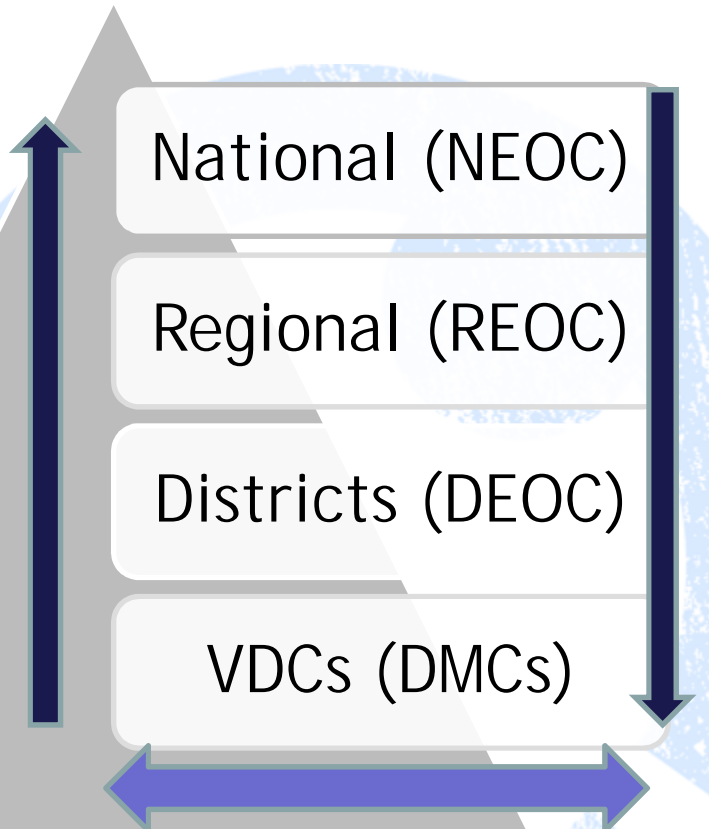
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National (NEOC)

Regional (REOC)

Districts (DEOC)

VDCs (DMCs)



# Quite ambitious ?

## Then, let's have a look on what we have?

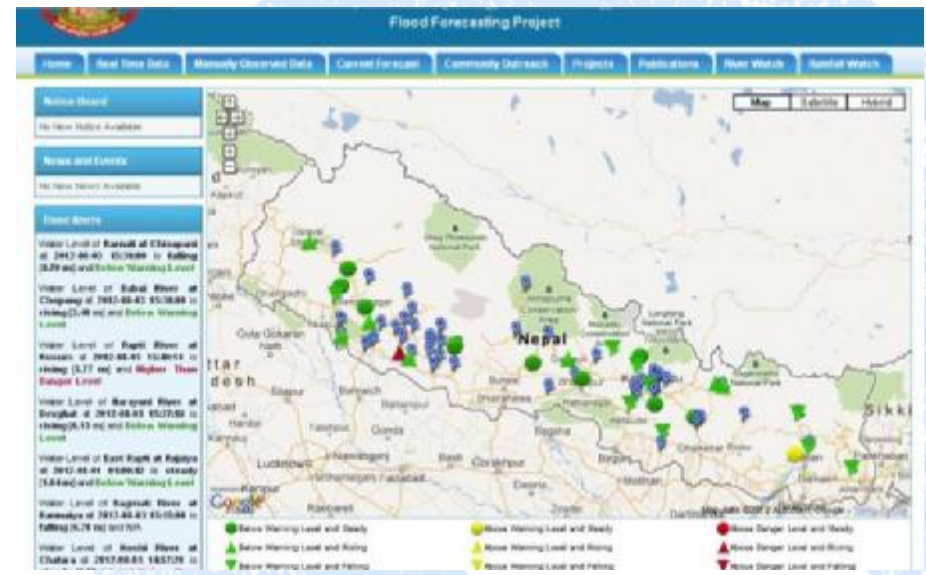


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- § DHM has more than 70 telemetric stations and many more observation station - information is there
- § Numbers of VDCs and Districts are now practicing CBEWS
- § NEOC, REOCs, & DEOCs in placed
- § DDRC, NRCS, ....
- § NRRC, Flagships
- § ...



## Why not to start from What we have now?

Idea is ?



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Let's organise a simulation exercise from  
community to national level !

Let's see how EWS works !!

Let's review how much we are prepared !!!

# Process, and way forward



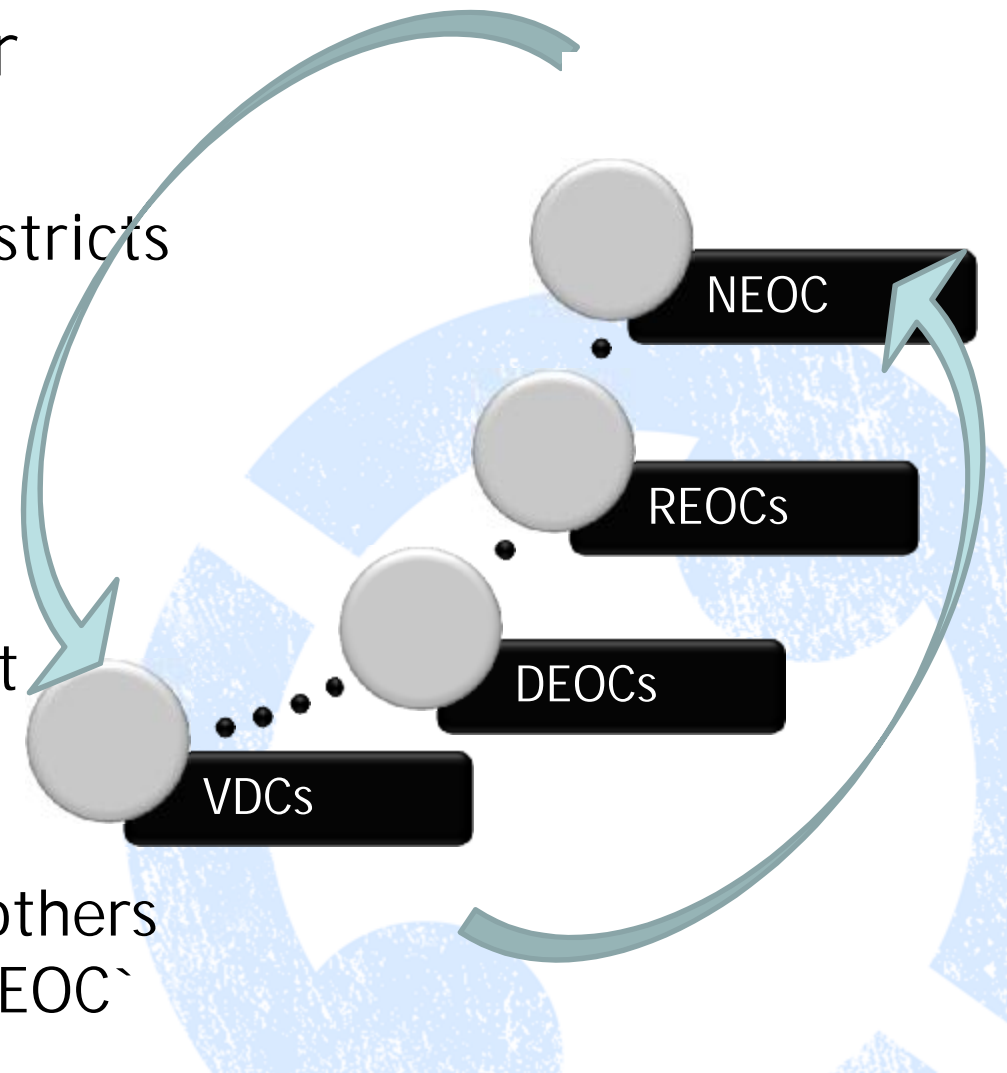
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§ That we need to discuss together but as Food for thought

- Select some VDCs and Districts (DEOCs)
- Coordinate with related regions (REOCs)
- Coordinate with NEOC
- Conduct drills in single at these levels
- Some VDCs will receive information EOCs while others will send information to EOC`



# Process, and way forward



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## § Till now

- Coordinated with MoHA (~ leading and coordinating government agency for this event as per NDRF 2012)
- Shared with NRRC
- Now, sharing with you all



# Process, and way forward



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## § A lot to do ahead ...

- Coordinating with all stakeholder
- Decide a day for a drill (target - 2013 monsoon - NDRF has aimed to do within 1 year - means before August 2013)
- Writing script for drills
- Many more
- .....

## § We request you to be part of this exercise



# Big task !



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But together we all  
accomplish

# Thank you !

Home > Project Mapping > Registered projects >

## VDCs, and Districts took part in National Simulation exercise

