

24th Earthquake Safety Day 2022

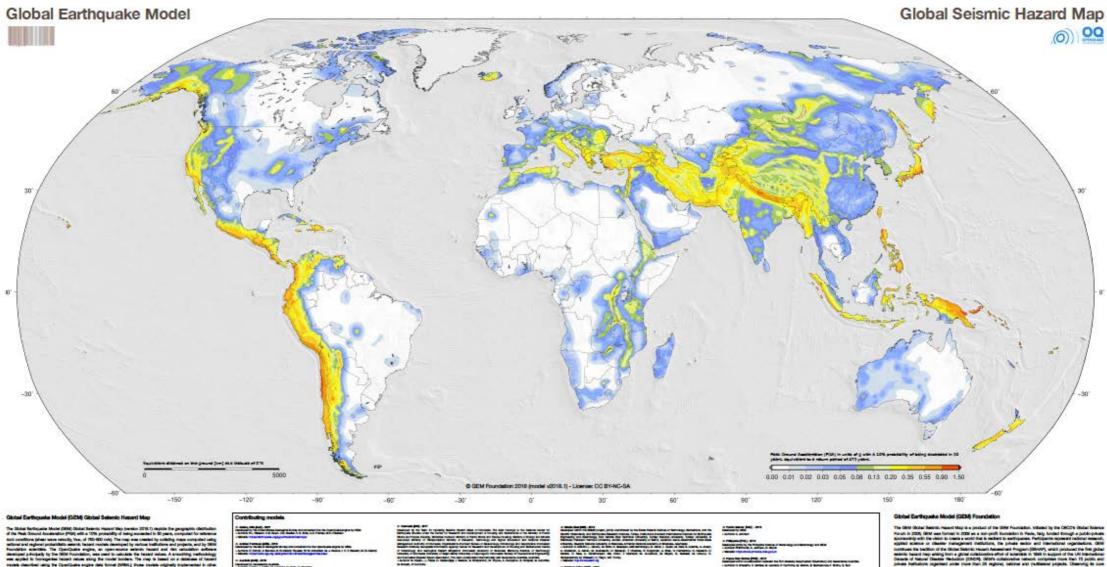
Interaction on "Role of Civil Society Organizations (CSOs) in Earthquake Safety Campaign"

January 18, 2022

Scenario of earthquakes in Nepal and the Role of Civil Society Organizations (CSO) in Earthquake Safety Promotion

Surya Narayan Shrestha

Executive Director, NSET







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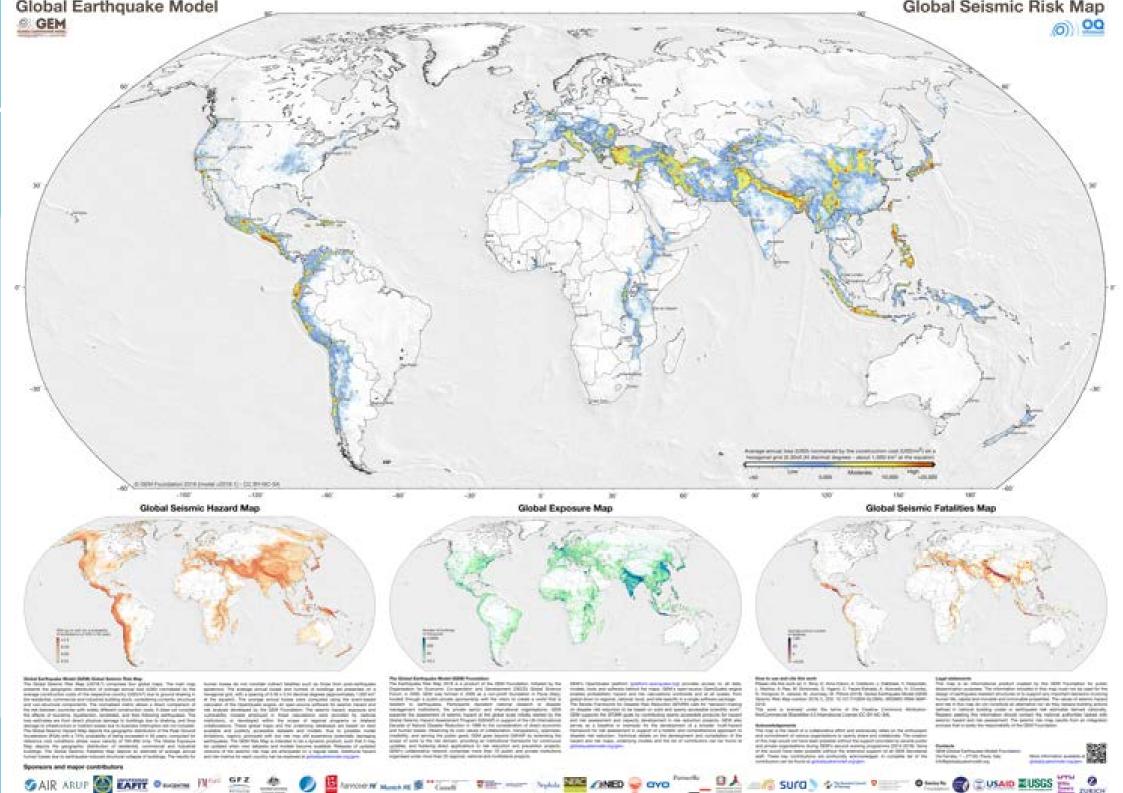














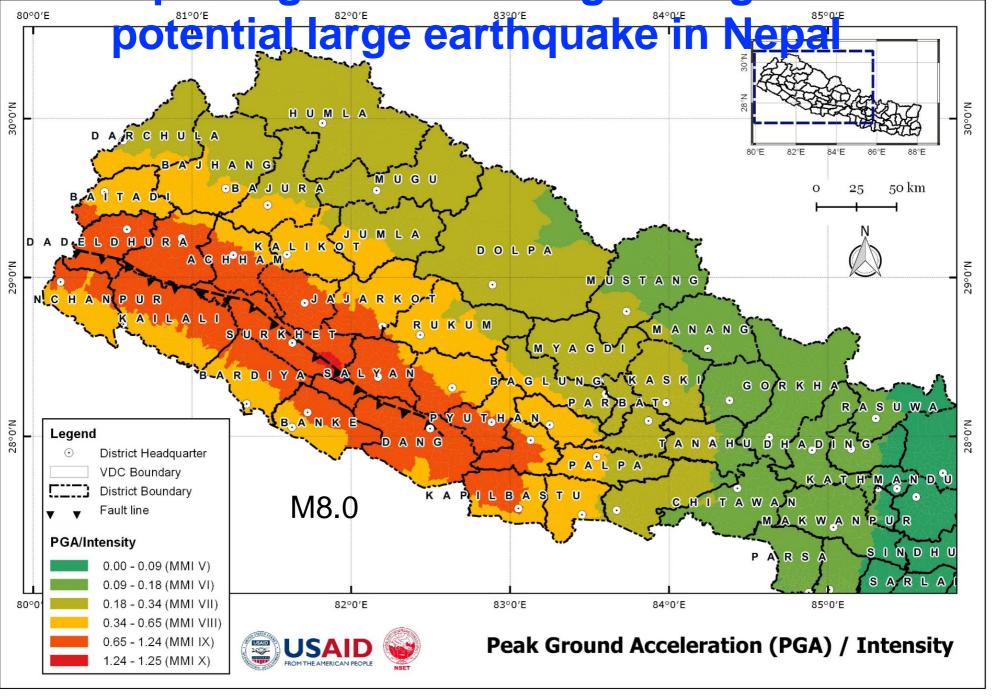
Continue existence of high hazard and risks

- The hazard is still there
- We have high vulnerabilities (buildings, structures, urban planning), and lower level of preparedness
 - We are continuously increasing the vulnerabilities
- Hence, the risk is still very high, and risk in increasing day by day

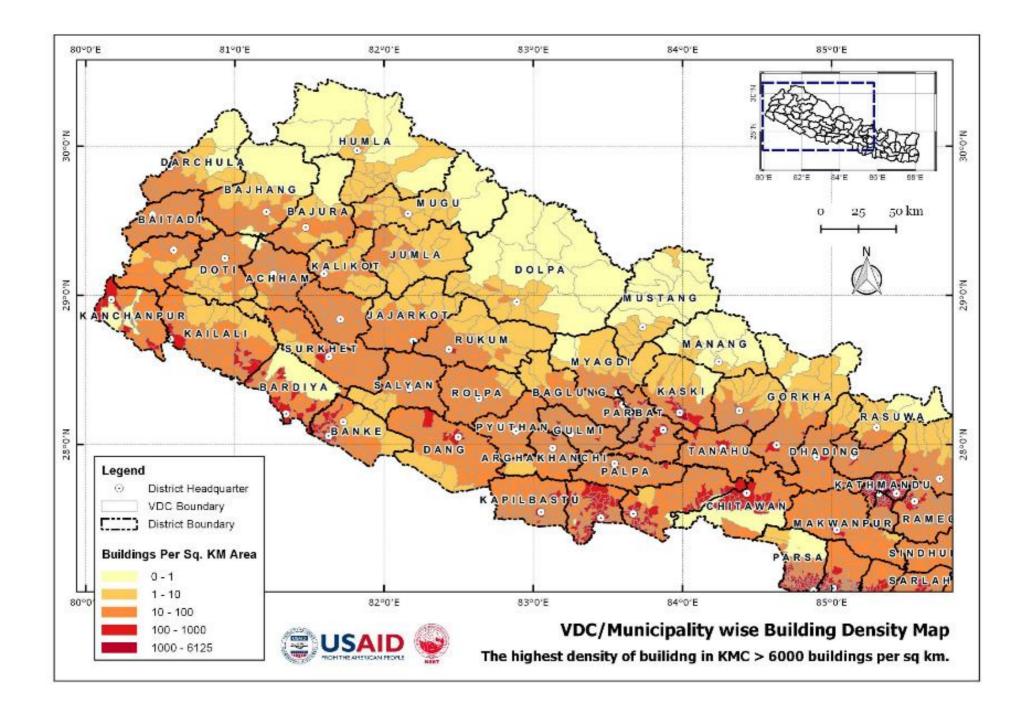
Potential of large earthquakes - 2015 Earthquake was just an alarm

Potential of many day-to-day hazards

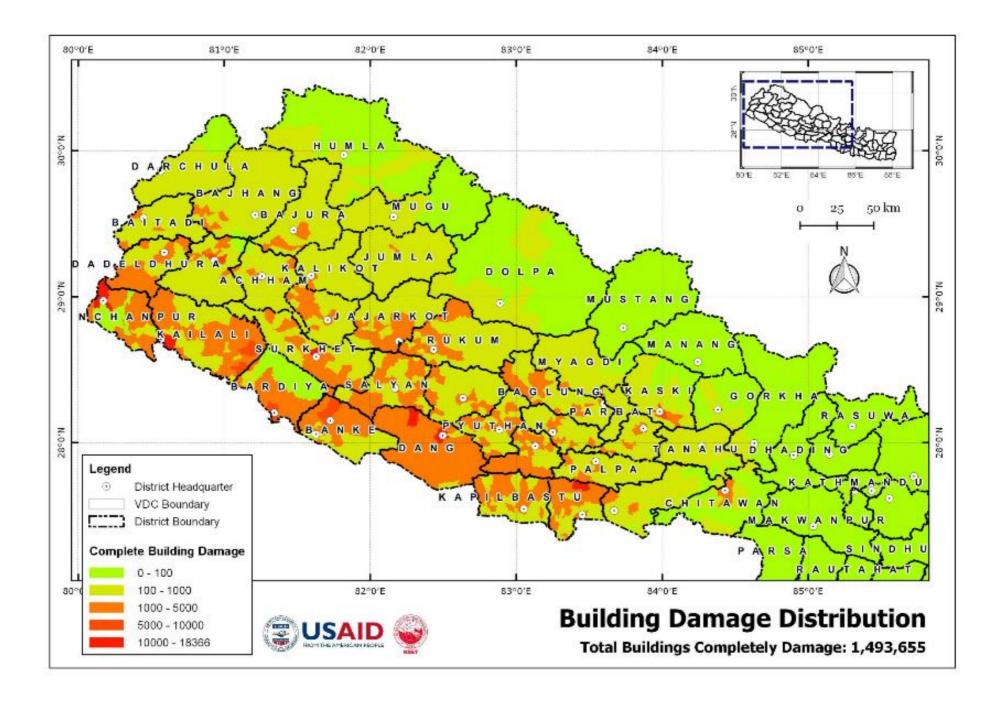
Earthquake ground shaking during a future



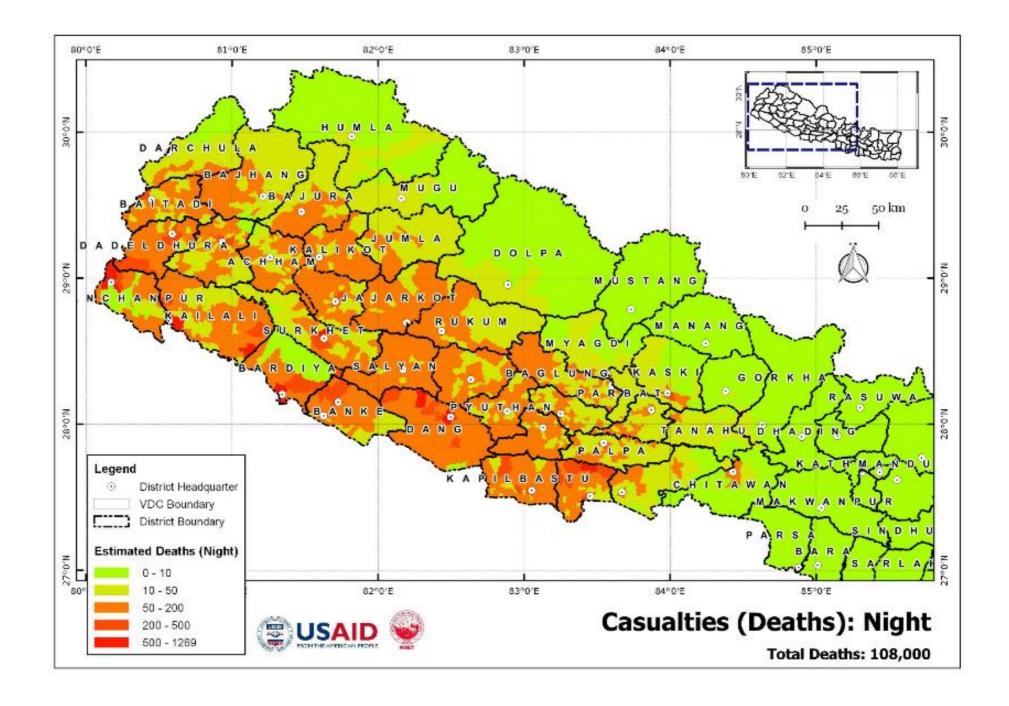








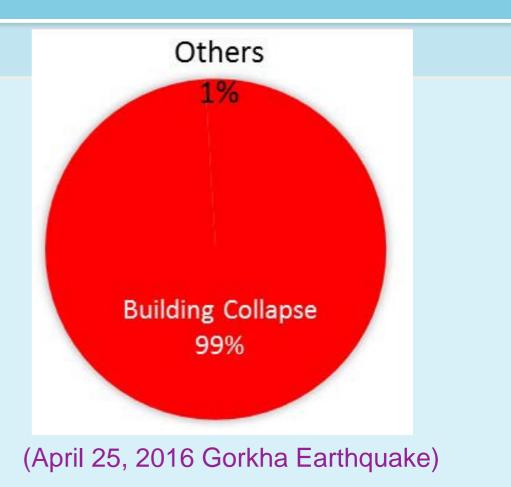




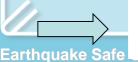


Sources of Earthquake Risk





Only way of Reducing Casualty: Safe Buildings



Earthquake Risk Reduction



Why Risk Reduction?

 For a city ward of approx. 20,000 households and 72,000 population, and considering moderate size earthquake

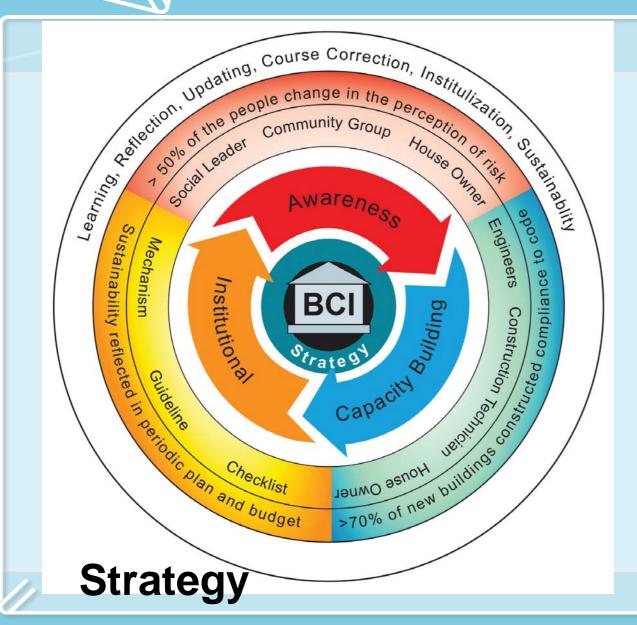
| Option | Property cost | Death | | Equivalent death* | Live saved |
|-------------------|------------------|--------|--------|----------------------|---------------|
| No retrofit | \$142.67 mil | 162.35 | 250.94 | 167 | - |
| Minor retrofit | \$67.87 mil | 33.08 | 53.46 | 34 | 133 |
| Major Retrofit | \$112.84 mil | 3.21 | 13.14 | 4 | 163 |

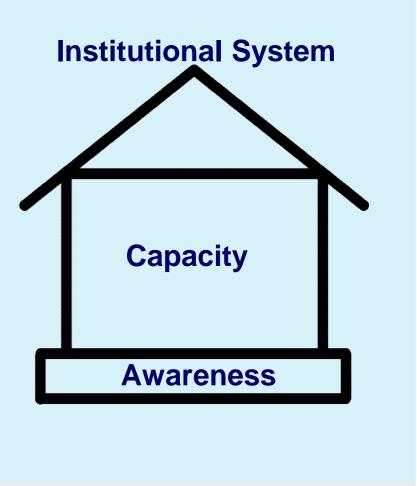
Based on working Paper, Pandey et al, 2018

- Cost of per life saved with minor retrofit = \$0.51 million (Approx. 3 crores) with total cost of \$67.87 million (Approx. 4 Arab Rs.)
- Cost of per life saved with major retrofit = \$0.7 million (Approx. 7 crores Rs.) with total cost of \$112.84 million (Approx. 7 Arab Rs.)
- If no retrofit, 167 life lost, and replacement value = \$ 142.67 million (Approx. 9 Arab Rs.)
- Cost of per life saving in Canada = \$3.6 million (Approx. 21.6 crores)



Approach of Earthquake/Disaster Risk Reduction





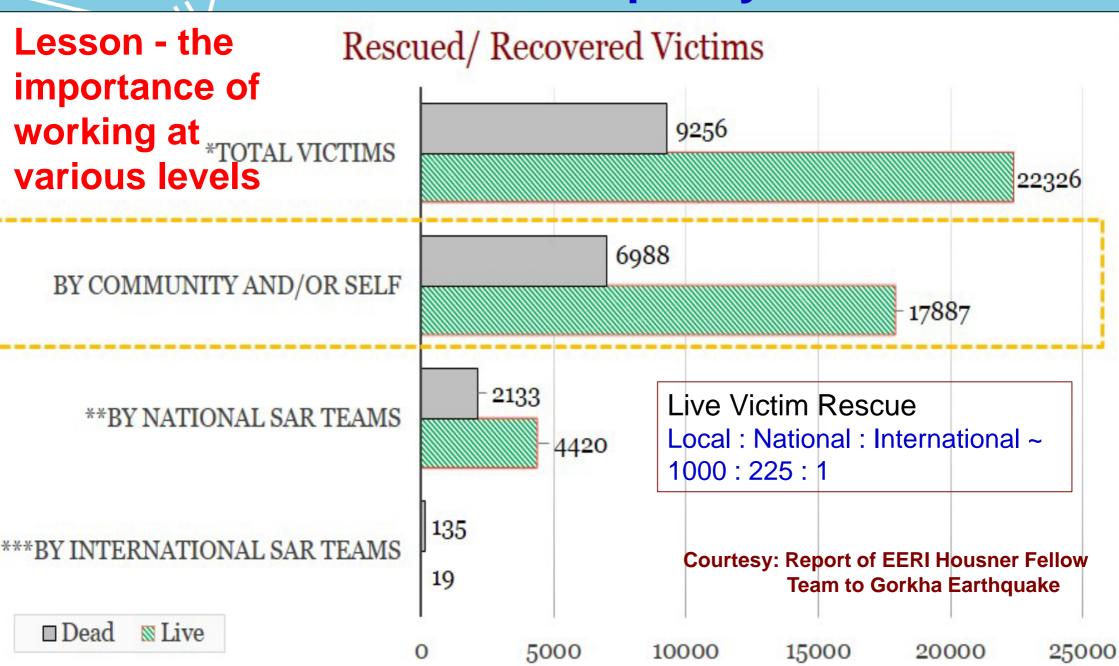


Awareness and Capacity Building

- CSOs can support, cost effectively, the government system in awareness and capacity building
- Enforcement vs. Compliance...
 - In a context like Nepal enhancing compliance is more proactive approach than enforcement
- After a certain level of success, enforcement is required to achieve more success



Improving Emergency Response Capacity



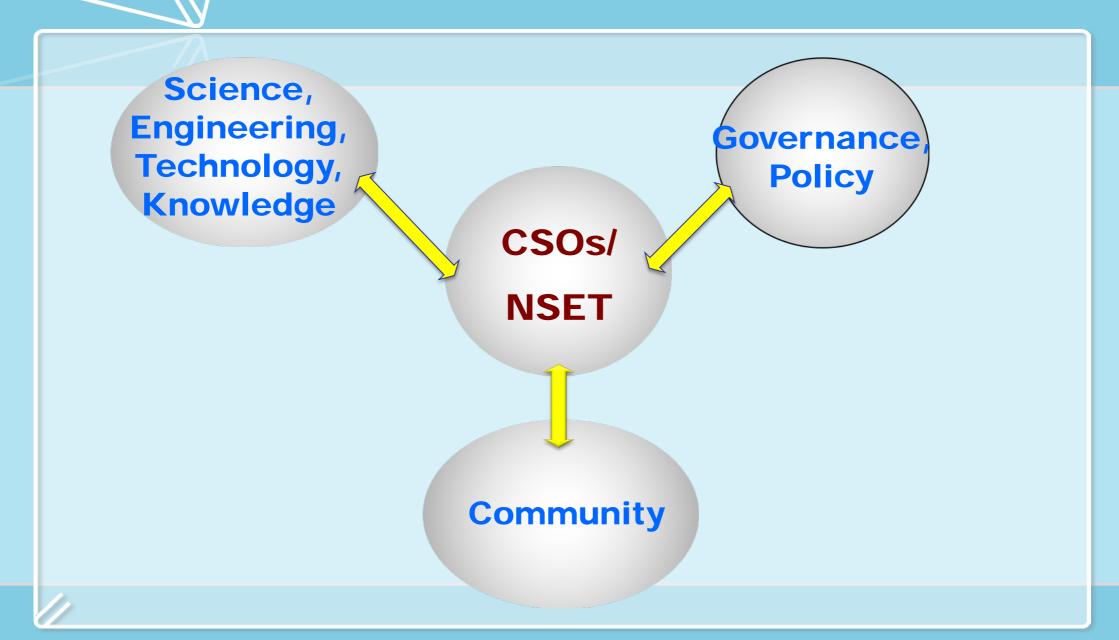


Support Disaster Preparedness and Planning

- Support emergency preparedness at municipalities and communities as a facilitator
- Support in Policy formulation and developing disaster preparedness plans at various levels
- DPNet can/should coordinate to develop national program to support disaster risk reduction and preparedness
 - Similar to what I/NGOs supported for socio-technical assistance during recent reconstruction



CSO's ROLE





Concept of Innovative Funding Mechanism

- Global CSO initiative Grand Bargain launched during World Humanitarian Summit, May 2016, Istanbul
 - More transparent and increased direct funding to local and national responders/CSOs (as much as 25% by 2020)
- Network of Empowered Aid Response (NEAR) facilitated and supported the implementation of agreements of the Grand Bargain
- Part of NEAR, 10 Nepali NGOs developed a concept of Innovative Funding Mechanism (Pooled Funding Mechanism -PFM)
 - where Nepali local CSOs can access to the fund for humanitarian actions A pool of fund from
 - More consultation needed to make it workable



Way forward

- We need critical / innovative approaches and collective actions to reduce the risks drastically
- Continuity and sustainability of efforts

Thank You!

