





E4 The risk and resilience scorecard: Benchmark disaster resilience in cities

Workshop

Presentation @ ICLEI Resilient Cities Conference 2014



Agenda...



14:30 – 14:40: Introduction and objectives

14:40 – 14:50: Multilevel-city scorecard approach

14:50 – 15:20: Participatory implementation of scorecard using interactive tools

15:20 – 15:50: Working group sessions

15:50 – 16:00: Wrap up

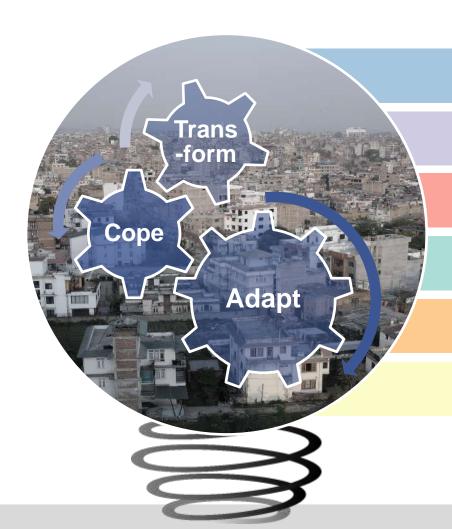
The City System...





.. and its Resilience Dimensions





Legal & Institutional **Arrangements**

Social Capacity

Critical Services and Public Infrastructural Resiliency

Emergency Preparedness, Response and Recovery

Planning, Regulation and **Mainstreaming Risk Mitigation**

Awareness and Advocacy

HFA Strategic Goals of Disaster Risk Reduction

Development and strengthening of institutions, policies and capacities disaster risk reduction.

Systemic integration of risk reduction apporaches into critical services and infrastructure, and emergency preparedness, response and recovery. Mainstreaming disaster risk reduction into development policies and planning.

Key Dimensions of Urban Resilience

Legal & Institutional Arrangements

Social Capacity

Critical Services and Public Infrastructural Resiliency

Emergency Preparedness. Response and Recovery

Planning, Regulation and Mainstreaming Risk Mitigation

Awareness and Advocacy

Essential 1

Put in place organisation and coordination.

Essential 3

Prepare risk assessments.

Essential 5

Assess the safety of all schools and health facilities.

Essential 7

Provide education programms and trainings on DRR.

Essential 9

Install early warning systems and emergency management capacities.

Essential 2

Assign a budget for DRR.

Essential 4

Invest and maintain critical infrastructure.

Essential 6

Apply and enforce realistic, risk-compliant building regulations and land use planning principles

Essential 8

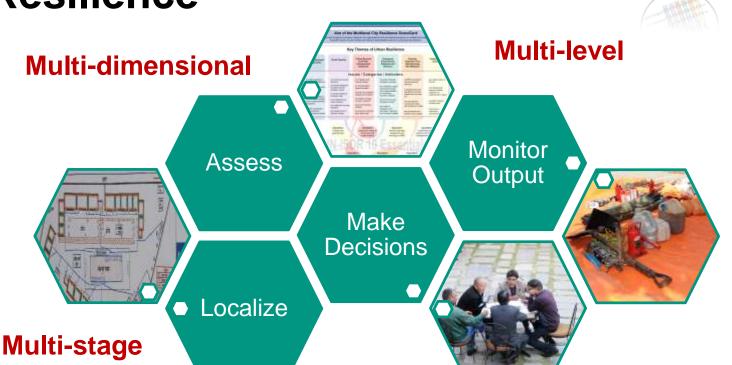
Protect ecosystems and natural buffers, adapt to climate change.

Essential 10

Put peoples needs at the center of reconstruction.

Concept and Draft: JA, BK, CB 2014, v4.

'Scorecard' as a Tool for Evaluation of City Resilience



→ Identify strengths and weaknesses in cities inherent state of resilience, detect implementation priorities and monitor performance measures

The Resilience Design Process

- Pre-Assessment Stage
 - Identify stakeholders
 - Locally customized scorecard
- Assessment Stage
 - Technical analysis of cities sub-systems
 - Action strategies
- Implementation Stage
 - → Performance measures
- Monitoring & Evaluation



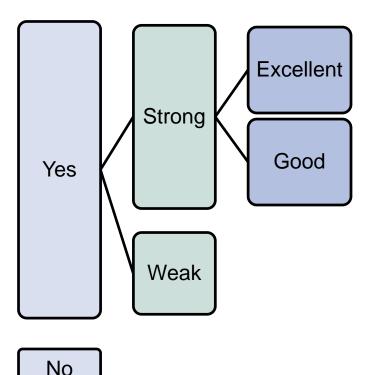
Generic Answer Scheme



e.g. To what extent are there well-defined mechanisms of coordination for disaster preparedness, safety and risk reduction in your city?

Existence Intensity Quality

- 1. Very strong coordination and excellent cooperation
- 2. Somewhat strong coordination and cooperation
- 3. Limited coordination and weak cooperation
- 4. No coordination



Implementation in Lalitpur, Nepal



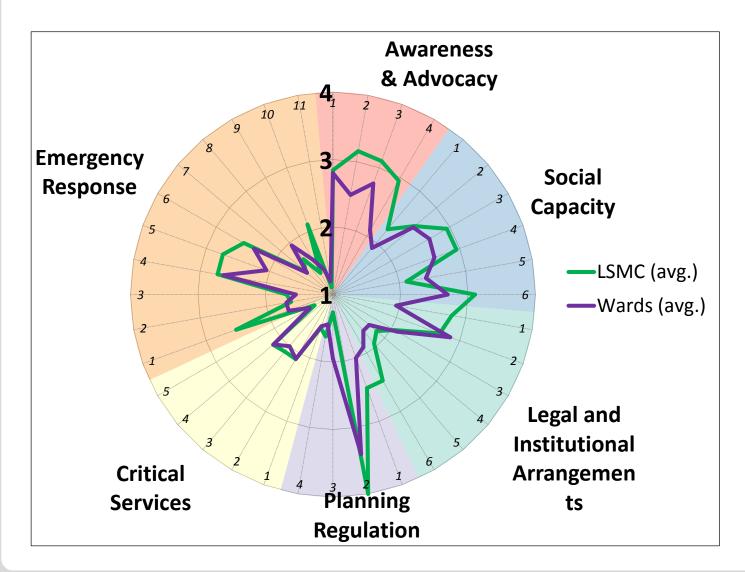


Ward No. / Municipal	Represented by
Department .	
1, 2, 3, 4, 7, 8, 12, 13, 14,	1 participant
15, 16, 18, 19, 20, 22	
5 0 10 11 17	2 participanta
5, 9, 10, 11, 17	2 participants
Administration, Community	1 participant
Development,	
Conservation	
	0 " ' '
Accounting, Law, Public	2 participant
Works, Revenue	
,	0
City Police	3 participant
Link on Davidana and	4
Urban Development	4 participant

- 20 Municipal representatives
- 25 Ward representatives

Multi-Level Analysis





Group DiscussionGuiding Questions



- Who are the potential partners for defining and assessing resilience in your city?
- Mow can the complexities in evaluating urban resilience be operationalized through a scorecard?
- Where do you see opportunities for the scorecard?

Thank you!



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