

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

*Workshop*

Presentation @ ICLEI Resilient Cities Conference 2014

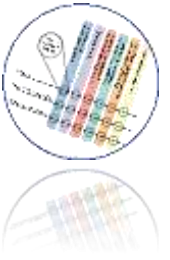
Kathmandu Valley 1883 (J.C. White, 1883)



Kathmandu Valley 2012 (J.Anhorn 2012)



# Agenda...



**14:30 – 14:40:** Introduction and objectives

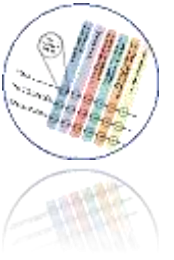
**14:40 – 14:50:** Multilevel-city scorecard approach

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

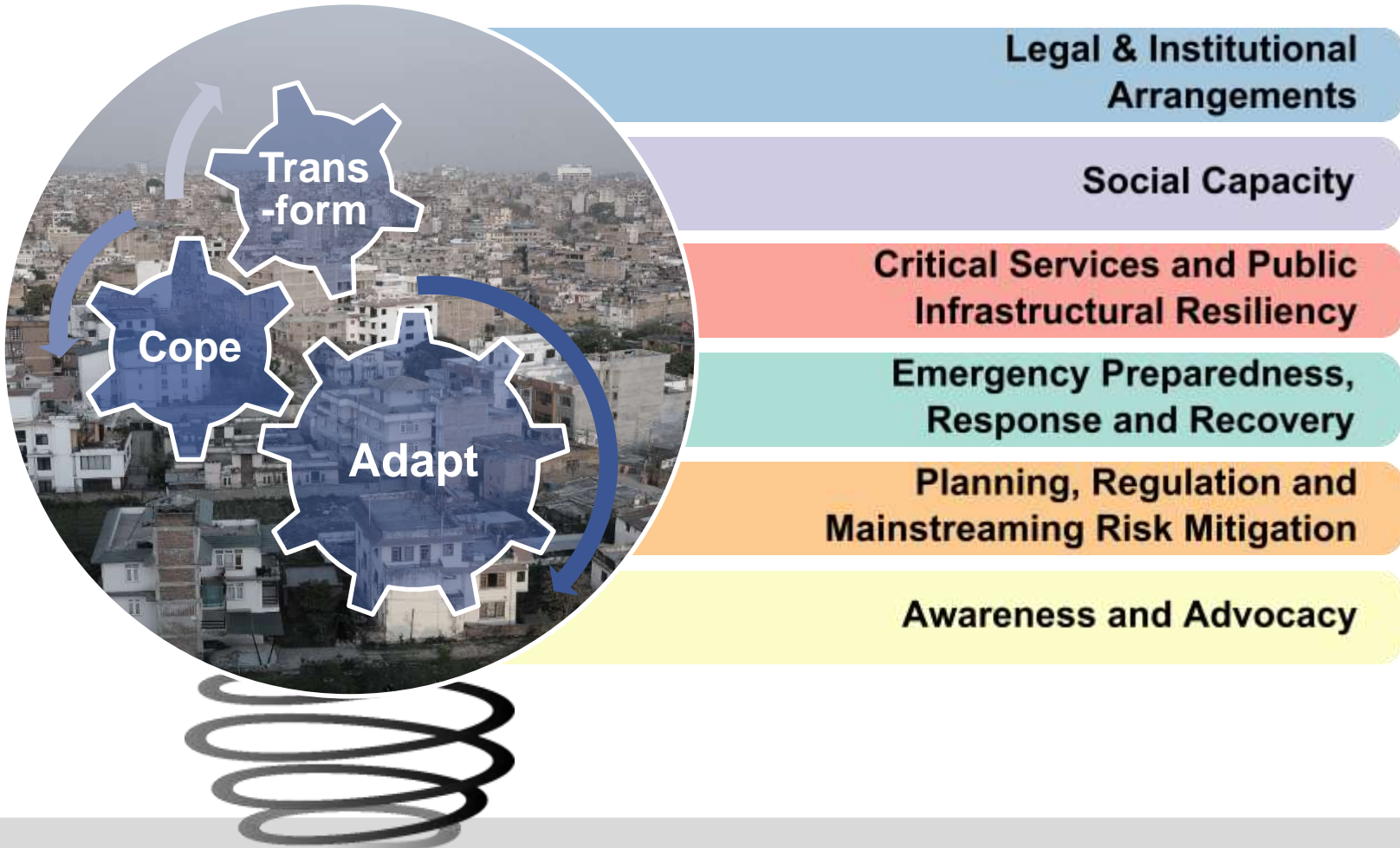
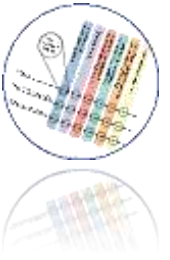
**15:20 – 15:50:** Working group sessions

**15:50 – 16:00:** Wrap up

# The City System...



# ... and its Resilience Dimensions





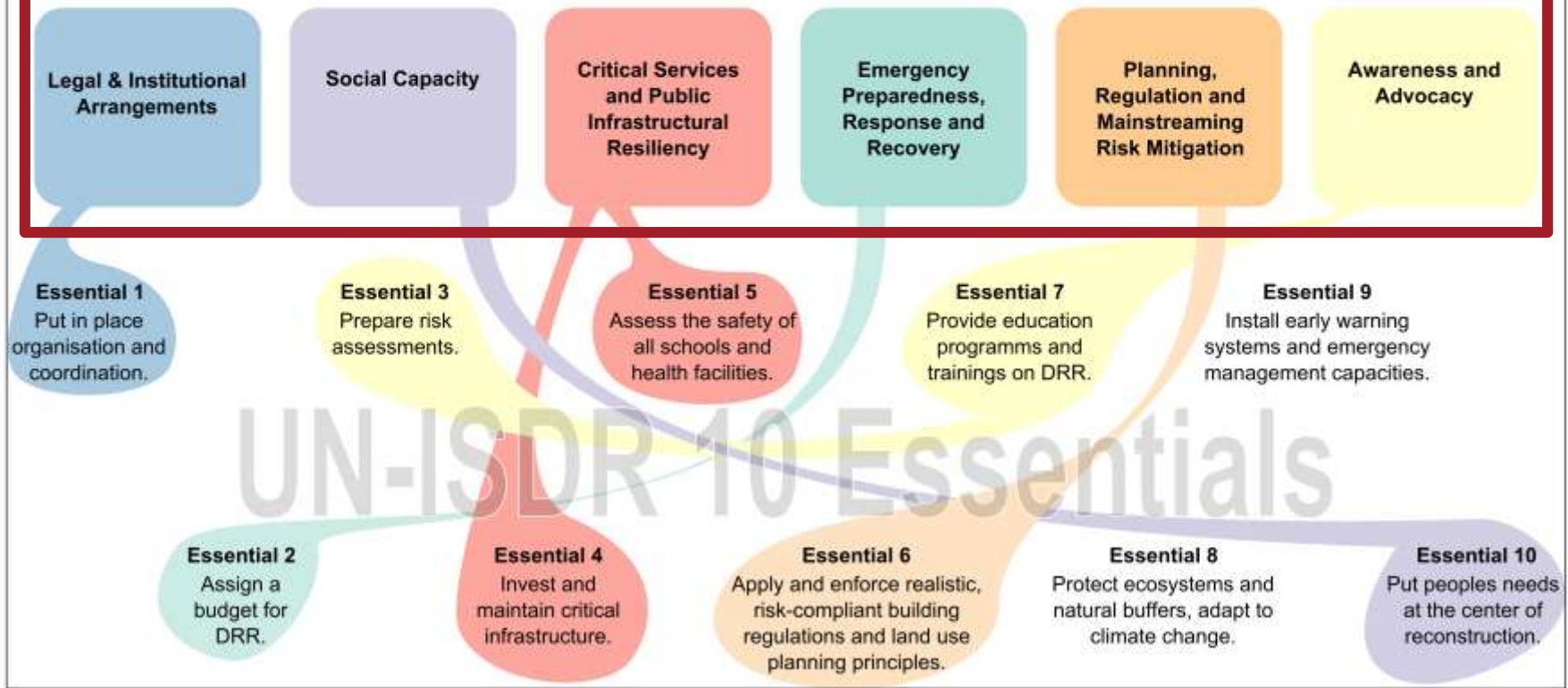
## HFA Strategic Goals of Disaster Risk Reduction

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

Systemic integration of risk reduction approaches into critical services and infrastructure, and emergency preparedness, response and recovery.

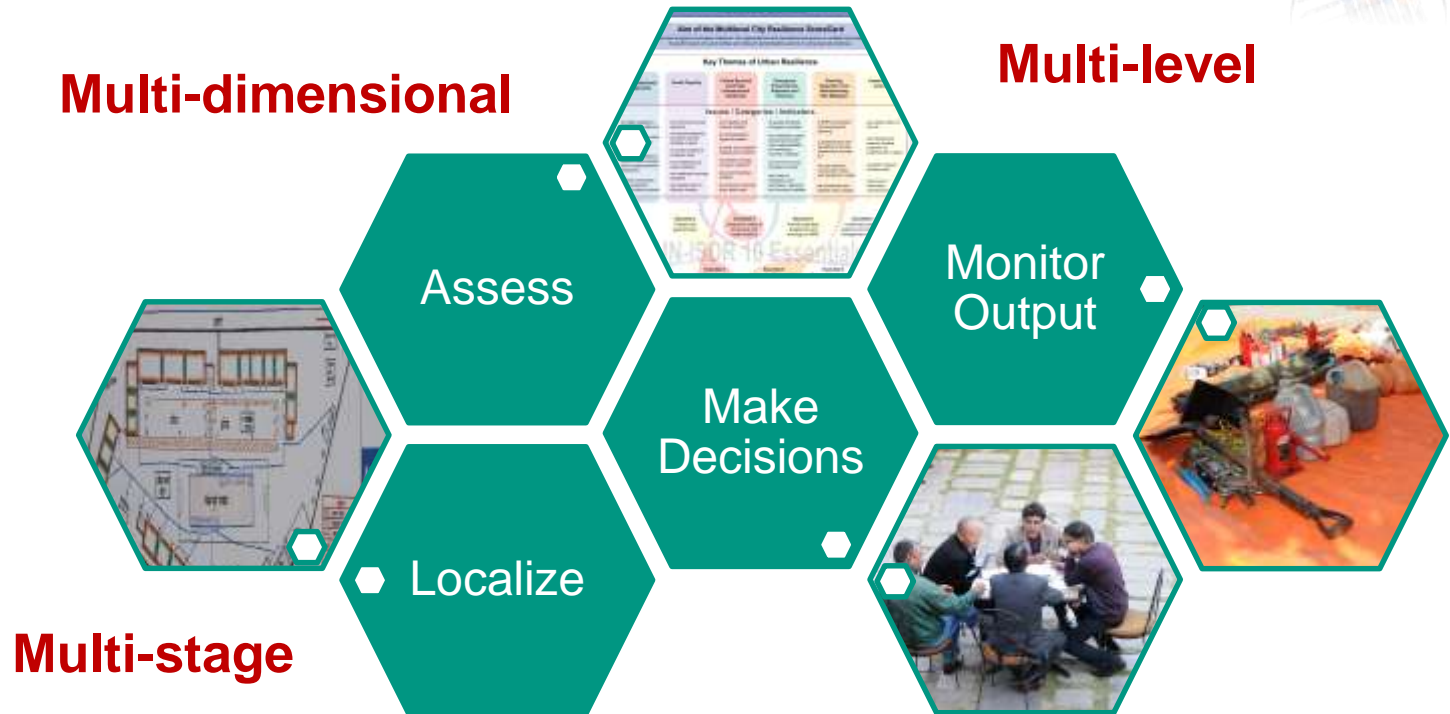
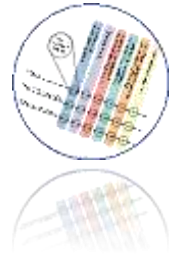
Mainstreaming disaster risk reduction into development policies and planning.

### Key Dimensions of Urban Resilience



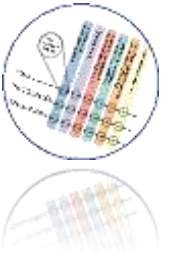
Concept and Draft: JA, BK, CB 2014, v4.

# '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



## ① Pre-Assessment Stage

- ① Identify stakeholders
- ① → Locally customized scorecard

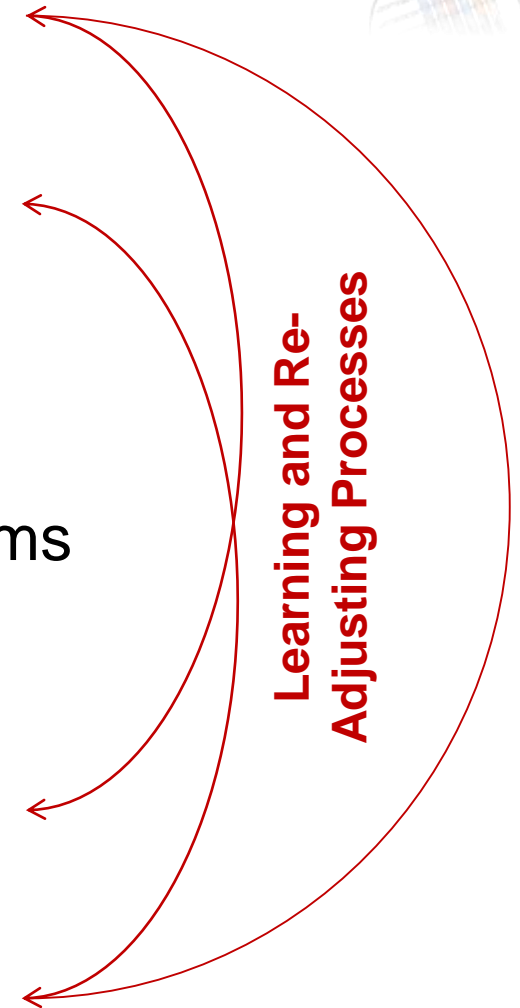
## ② Assessment Stage

- ② Technical analysis of cities sub-systems
- ② → Action strategies

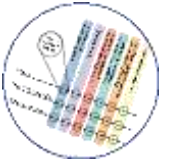
## ③ Implementation Stage

- ③ → Performance measures

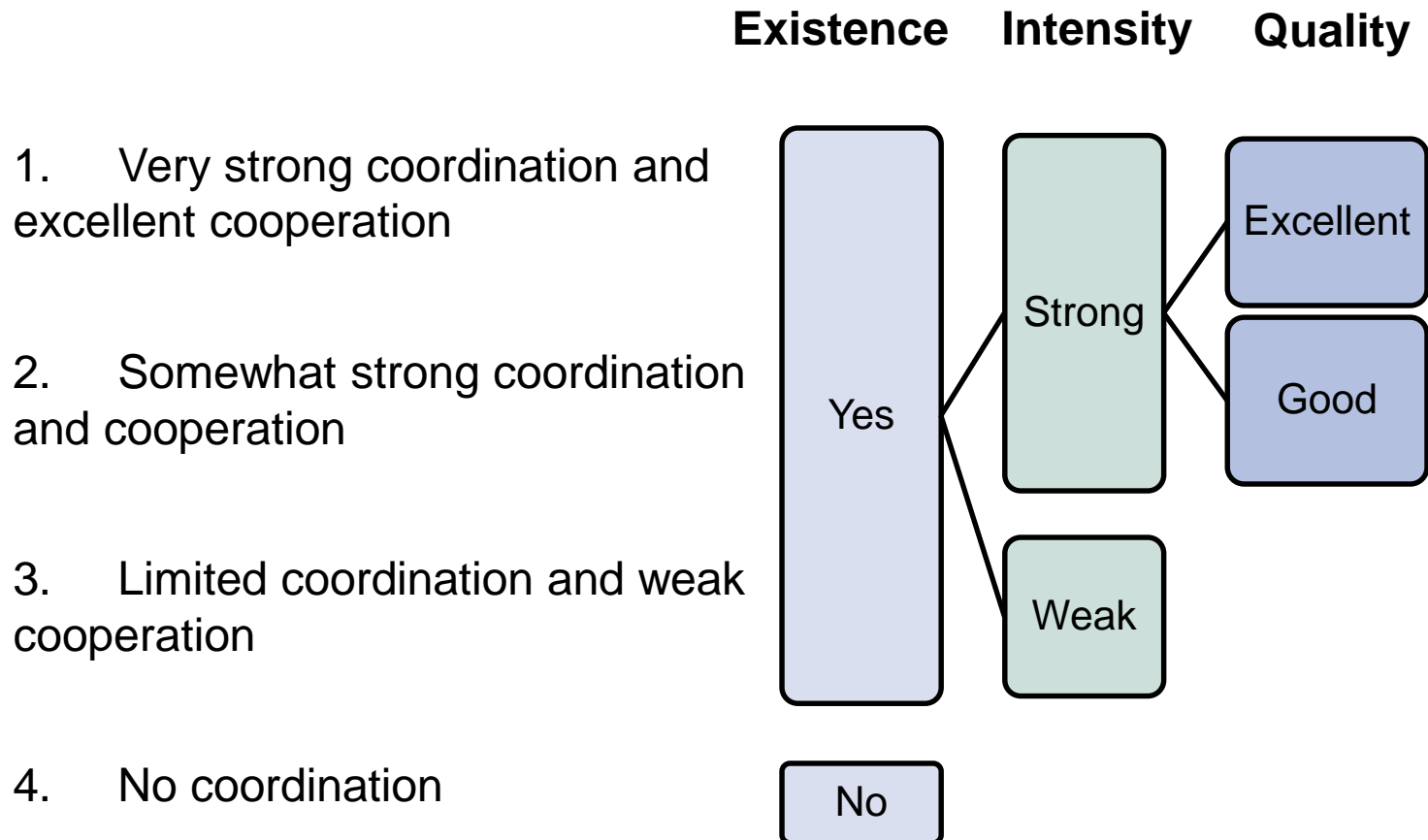
## ④ Monitoring & Evaluation



# Generic Answer Scheme

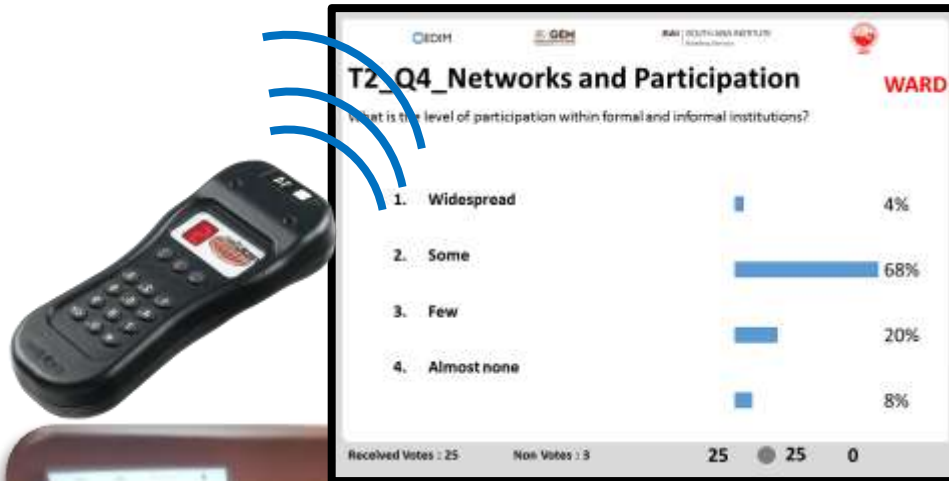
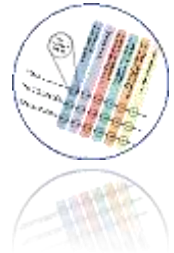


*e.g. To what extent are there well-defined mechanisms of coordination for disaster preparedness, safety and risk reduction in your city?*





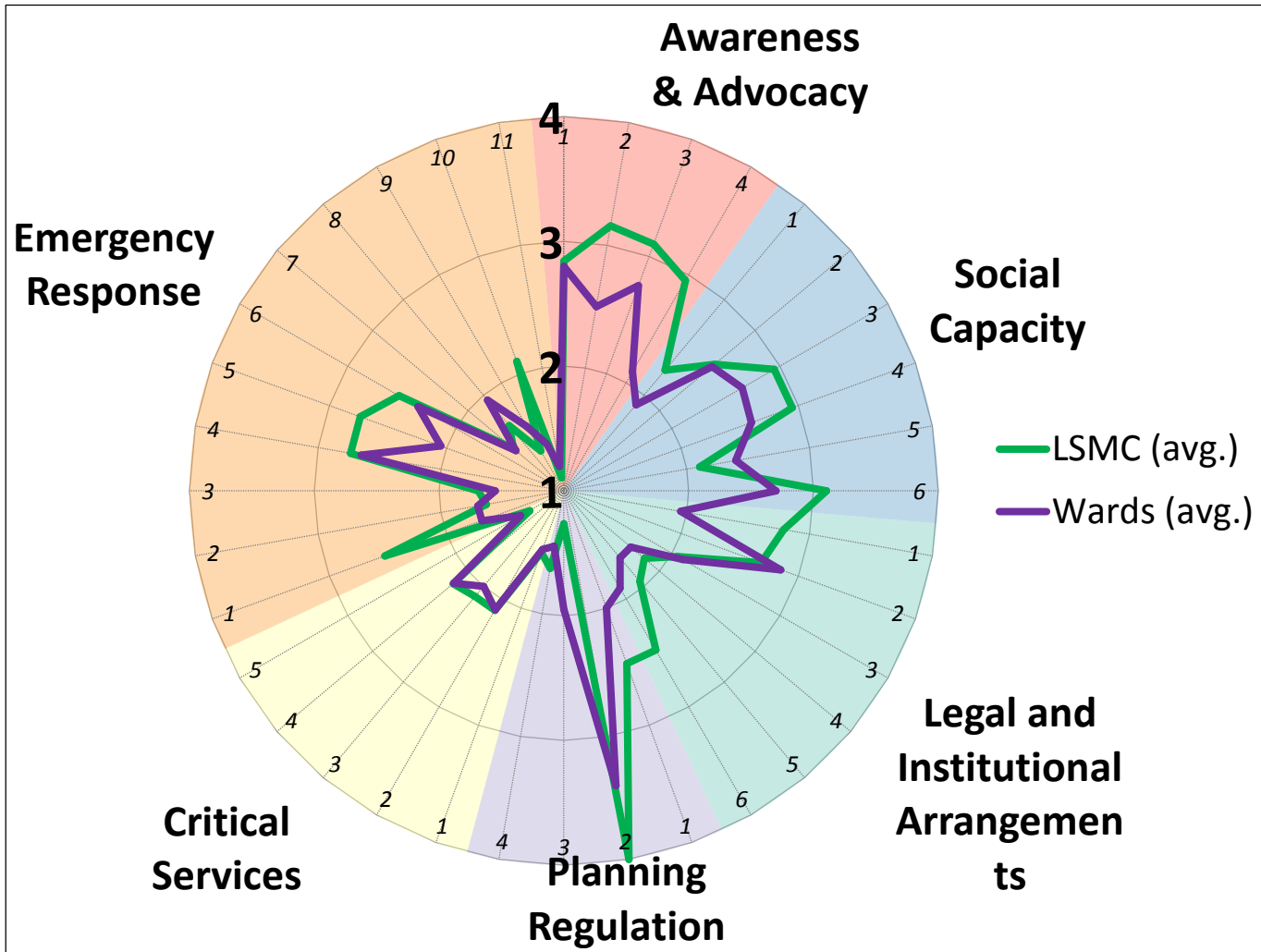
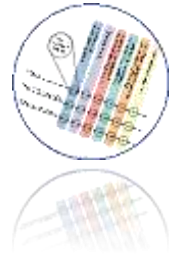
# Implementation in Lalitpur, Nepal



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

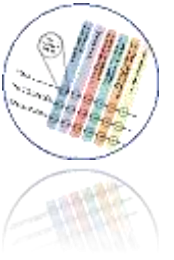
- 20 Municipal representatives
- 25 Ward representatives

# Multi-Level Analysis



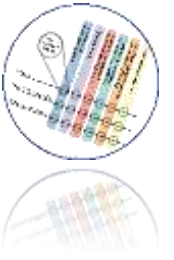
# Group Discussion

## – Guiding Questions



- ③ Who are the potential partners for defining and assessing resilience in your city?
- ③ How can the complexities in evaluating urban resilience be operationalized through a scorecard?
- ③ Where do you see opportunities for the scorecard?

# Thank you!



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