



# Citizens and cities facing new hazards and threats

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Session 7 : Smart Resilient Cities

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# Introduction

## Background

- Why to develop EWS in urban areas of developing nations?
- How to develop EWS in urban areas of developing nations?
- What happens after development and implementation of EWS in urban areas of developing nations?

## Gap

- What happens during development and implementation of EWS in urban areas of developing nations?

## Research Questions

- What were the challenges faced during the development and implementation of an early warning system?
- How were the challenges overcome?
- What concerns regarding the implemented early warning systems remain?

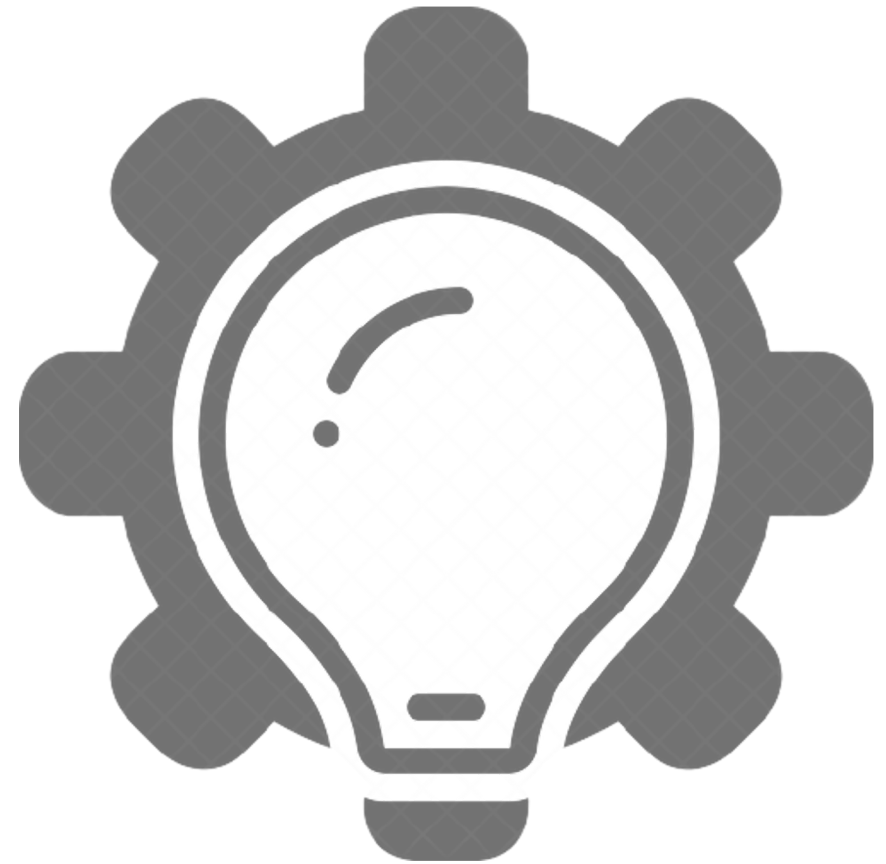


# Methodology

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**Site:** Kolkata and Mumbai

- Qualitative Approach
- Review of secondary literature
- 45 telephonic interviews with semi structured questionnaire
- Experiential knowledge of living and working in the cities



# Findings

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## Governance Issues

- Priority of DRR
- Financial Commitments and Human Resources

## Operational Challenges

- Technological Gaps
- Knowledge Transfer
- Service Delivery

## Sustainability Concerns





# Findings

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## Mainstreaming the system

- All season operation
- Budgeting

## Trust Building

- Flag-bearer of the project
- Association with an established body
- Contextually informed

## Performance Review



# Discussion and Conclusion

01

## Context specific approaches

- Understanding
- Co-operation and trust

02

## Development of resources

03

## Recognition of EWS as socio-technical systems

- People first
- EWS as tool and not the end





**Thank You**

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