Complexities of Building Resilience in the Peri-Urban Setting

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Institute for Social and Environmental Transition (ISET)

- US Based, International NGO
- Boundary Organization

Boundary Organizations in Environmental Policy and Science: An Introduction

David H. Guston
Rutgers, The State University of New Jersey

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- Boundary Organization
Asian Cities Climate Change Resilience Network & Mekong-Building Climate Resilient Cities & 100 Resilient Cities

ACCCRN, M-BRACE, & 100RC cities

**Bold** are the 10 Core ACCCRN Cities:

* City involved in the Mekong-Building Climate Resilient Asian Cities (M-BRACE). A program supported by USAID with additional support from the Rockefeller Foundation."
What is Peri-Urban? What is Urban?

- Administrative Boundaries
- Built Environment

We know it when we see it.
What is Urban?

• Definitions of “Urban”
  • Defined by administrative boundary
  • Defined by source of income
  • Defined by density
  • Defined by fiat

• Other
  • Urban footprint or “Urban Fetch”
  • Degree of dependence on human-systems (distance past natural carrying capacity)
Five Capitals of Resilience

- **Financial**
  - Jobs
  - Income

- **Physical**
  - Infrastructure

- **Natural**
  - Water
  - Food
  - Hazard Mitigation

- **Social**
  - Relationships

- **Human**
  - Labor
  - Knowledge
  - Knowledge Networks

**DFID (UK) The Sustainable Livelihoods Framework**
Five Capitals of Resilience

DFID (UK) The Sustainable Livelihoods Framework

Five Capitals

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- Jobs
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Five Capitals of Resilience

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- Labor
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DFID (UK) The Sustainable Livelihoods Framework
ISET’s Resilience Framework

CLIMATE EXPOSURE

The What
Infrastructure & Ecosystems

The How
Cultural and Legal Norms

The Who
People and Organizations

INSTITUTIONS

SHARED LEARNING

IDENTIFY ACTIONS

PRIORITIZE

BUILDING RESILIENCE

AGENT
RESPONSIBILITIES
EBM - INSTITUTIONS

BUILDING
S - BIOTIC

I - INSTITUTIONS

LOCAL KNOWLEDGE

SCIENTIFIC KNOWLEDGE

CATALYTIC AGENT
Gorakhpur, Uttar Pradesh, India
The Climate Resilience Framework in Practice

- Mahewa Ward - Gorakhpur
- Social Capital
Conclusions

• The peri-urban is a transitional space having neither the full linkages of the urban social, physical, and environmental structures nor the rural ones.

• In many places globally it is a zone of rapid physical, social, and environmental change

• These zones, many with high population growth rates, are zones of high vulnerability due to the “tween” nature where mindsets (urban or rural) are not aligned with the service linkages.
Thank You

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