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www.worldwaterweek.org

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Building Climate Resilience

Adaptive Responses Across Scales



www.i-s-e-t.org

The challenges

- Coastal and Riverine Cities: A Future of Estuaries and Wetlands
- Competition: A Future of Scarcity
- Variability: A Risk of Cascades
- Equity: Wa

Complex Realities: Require an Adaptive process

7949

The Upwardly Mobile City

- Coastal and Riverine Retreat: A recipe for massive conflict
- Emergent Behavior: Move upward, keep water in the public space
 - Bangkok, Thailand
 - Da Nang, Vietnam
 - Gorakhpur, Y
 - Lyons, Colora
 - Netherlands
- The Questions
 Swamps or Vi





What people do: Autonomous Adaptation



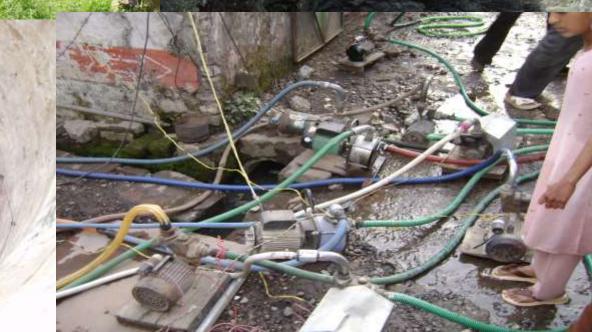
Shelter Resilience – A Global Strategy



The Growth of Water Markets

- Utilities: Waste, Conflict and Inequity
- Emergent Behavior: Formal and Informal Markets, the Tanker and Bisleri culture
 - Kathman<u>du</u>
 - India
 - Yemen
 - California
- The Quest

Scarcity







Partial Solutions?



Ways Forward?

- Emergent Opportunities
 - Sanitation: Transform waste to energy Don't shit in champagne
 - Flood management: Buffer and rise above it, manage wetlands and estuaries
 - Water sup
 - Enable Aut
 - Incentivize
- The questio
- Water Gove than govern

Core Arguments

- Conventional models face fundamental challenges in the face of climate change, urbanization and economic development;
- Emergent adaptive strategies are important
- Particular opportunities may lie in three areas that build off existing adaptive responses:
 - The formali and excess)
 - Recognizing actors; and
 - Institutiona distributed





MANY THANKS!

For more information, please visit: www.i-s-e-t.org

